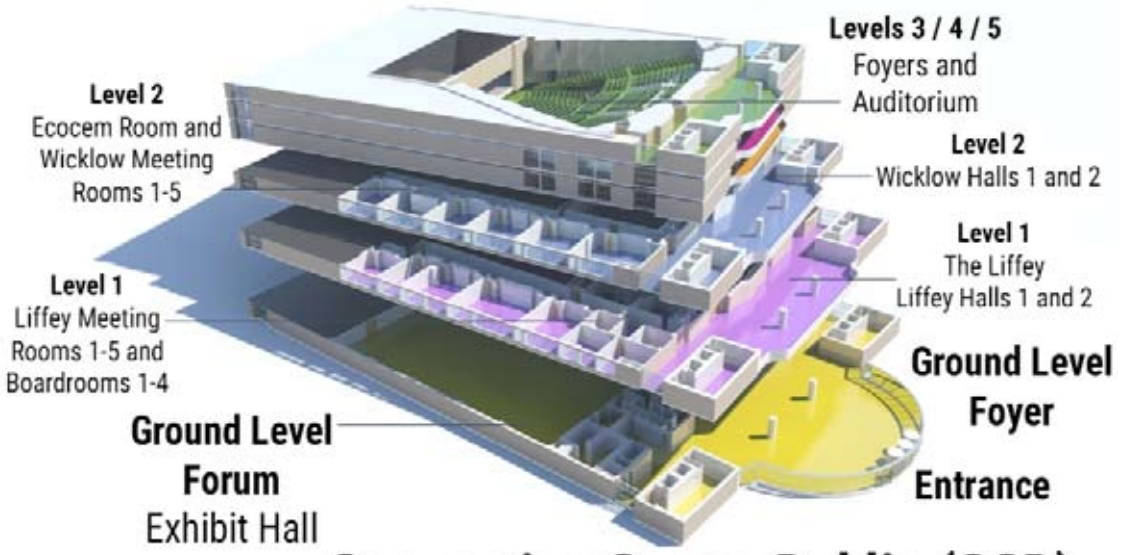
U.S.S. DUBLIN
NCC-201

Fáilte
Welcome
DUBLIN 2019
AN IRISH WORLDCON
Pocket Convention Guide



Convention Centre Dublin (CCD) Key

Ground Level Foyer

Access Desk and Mobility Device Pick-up, Auditorium Events Box Office, Information Desk, Masquerade Registration, Dublin 2019 Merchandise Sales (Tuesday – Thursday), Programme Participant Check-in, Dublin 2019 Registration, and Volunteer Desk

Ground Level Forum

Exhibit Hall (Dealers Area, Displays, Creators Alley, Merchandise Sale (Friday – Monday), Fan Tables, and 2021 Worldcon Site Selection)

Level 1

Convention and Tech Operations Office, Fan Bar, Gaming Hall, Literary Beers, Press Office, Programme Operations Office, and Quiet Space

Level 2

Programme items, dances, and evening parties

Level 3

Exhibits, Fan Lounge, and Kaffeeklacsches

Level 4

Autographing and Teen Lounge (evenings)

Level 5

Programme Participant Green Room

The Auditorium

Special Events

Docklands
R101
Sheriff Street
Crinan Strand
International
Centre
Mayor Square - NCI Luas Stop
Fresh Market (ATM)
Spencer Dock Luas Stop
The Point Luas Stop
Gibson Hotel
Citi
R801
Spencer Hotel Dublin City
Scherzer Lifting Bridge
Convention Centre Dublin (CCD)
Samuel Beckett Bridge
North Wall Quay
East Wall Road
Point Square Complex
Spencer Place
Dublin Landings - Blocks A & B
Dublin Landings - Blocks E & F
Project Waterfront
North Dock
Mansion House A ED
0
0.25
0.5
1
Kilometres

Céad Míle Fáilte

A hundred thousand welcomes to Dublin 2019 – An Irish Worldcon. This pocket* convention guide is your portal to the 77th World Science Fiction Convention. We will share and celebrate the very best in science fiction and build a strong and inclusive community over the next five days. We are honoured and proud to be able to welcome thousands of fans to the first Irish Worldcon. This guide provides information on our Code of Conduct, Registration, Accessibility, Member Services, our numerous events such as the 1944 Retrospective and the 2019 Hugo Awards Ceremonies, presentations, programme items and participants, and opening hours and locations for areas such as our Art Show and Dealers Room.

Where to Get Help

Visit our Information Desks in the Convention Centre Dublin (CCD) Ground Level Foyer and Point Square Warehouse for the latest information and assistance. If you experience harassment or a breach of our Code of Conduct, please report the issue as soon as possible to any staff member or Listener Team Member (they can be identified by their Listener ribbons). Alternatively, you can send a report to coc@dublin2019.com or call Convention Operations at +353 1 818 4713 or +353 87 342 0902 (24/7).

Electronic Convention Guide

The Grenadine Event Guide app for iOS and Android devices provides up-to-date information on our programme and events schedules and gives you the ability to create your own schedule. The identifier to install our schedule is ***DUBLIN2019***.

Acknowledgements

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Dublin 2019 (Full name: Dublin Worldcon Convention Organising Company Limited By Guarantee TA Dublin 2019), Whitethorn, Leopardstown Road, Sandyford, Dublin 18, D18 W2W2, Company Number – 608009, VAT Number – 3599722OH

Dublin2019.com is sponsored and hosted by Blacknight Solutions.

Dublin 2019 is sponsored by Grenadine Event Management Software.

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Our thanks to Iain Clark for providing our pocket convention guide cover (© 2019 Iain Clark) and Paul Walsh for the facilities locations map.

We thank Andrew I. Porter for providing photographs of our Guests of Honour for our souvenir book.

**DISCLAIMER: Pocketability not guaranteed.*

Convention Centre Dublin (CCD)

(CCD Programme items begin at 10:00)

CCD: Ground Level Foyer

Access Desk and Mobility Device Pick-Up

Tuesday	16:00 – 19:00
Wednesday	09:00 – 19:00
Thursday	09:00 – 19:00
Friday	09:00 – 19:00
Saturday	09:00 – 19:00
Sunday	09:00 – 19:00
Monday	09:00 – 17:00

Auditorium Events Box Office

Thursday	13:00 – 16:00	Return Unneeded Bands 18:30 – 20:00
Friday	13:00 – 16:00	Return Unneeded Bands 18:30 – 20:00
Saturday	13:00 – 16:00	Return Unneeded Bands 18:30 – 20:00
Sunday	13:00 – 16:00	Return Unneeded Bands 18:30 – 20:00

Information Desk

Tuesday	16:00 – 19:00
Wednesday	09:00 – 19:00
Thursday	09:00 – 19:00
Friday	09:00 – 19:00
Saturday	09:00 – 19:00
Sunday	09:00 – 19:00
Monday	09:00 – 16:00

Masquerade Registration Desk

Thursday	10:00 – 18:00
Friday	10:00 – 18:00
Saturday	10:00 – 11:00

Merchandise Sales

Tuesday	16:00 – 19:00
Wednesday	09:00 – 19:00
Thursday	09:00 – 19:00

Friday – Monday: Dealers Area

Friday	10:00 – 18:00
Saturday	10:00 – 18:00
Sunday	10:00 – 18:00
Monday	10:00 – 16:00

Programme Participant Check-In Desk

Programme participants should pick up their programme packets here. Please pick up your membership badge at Registration first.

Wednesday	12:30 – 18:00
Thursday	09:30 – 19:00
Friday	09:30 – 18:00
Saturday	09:30 – 12:00

Registration

Tuesday	16:00 – 19:00
Wednesday	09:00 – 19:00
Thursday	09:00 – 19:00
Friday	09:00 – 19:00
Saturday	09:00 – 19:00
Sunday	09:00 – 19:00
Monday	10:00 – 12:00

Volunteer Desk

Tuesday	16:00 – 19:00
Wednesday	09:00 – 19:00
Thursday	09:00 – 19:00
Friday	09:00 – 19:00
Saturday	09:00 – 19:00
Sunday	09:00 – 19:00
Monday	09:00 – 16:00

Stroll with the Stars (meet at CCD: Ground Level Foyer)

Friday	09:00 – 10:00
Saturday	09:00 – 10:00
Sunday	09:00 – 10:00
Monday	09:00 – 10:00

CCD: Ground Level Forum

Exhibits Hall

Dealers Area, Displays, Creators Alley, Fan Tables, and Worldcon Site Selection

Thursday	10:00 – 18:00
Friday	10:00 – 18:00
Saturday	10:00 – 18:00
Sunday	10:00 – 18:00
Monday	10:00 – 16:00

CCD: Level 1

Convention and Tech Operations Office (CCD: Liffey Room 5)

Wednesday	10:00 – 22:00
Thursday	08:00 – 22:00
Friday	08:00 – 02:00
Saturday	08:00 – 02:00
Sunday	08:00 – 02:00
Monday	08:00 – 02:00

Gaming Hall (CCD: Liffey Hall 1)

Thursday	10:00 – 01:00
Friday	10:00 – 01:00
Saturday	10:00 – 01:00
Sunday	10:00 – 01:00
Monday	10:00 – 16:00

Martin Hoare's Bar *(known as Martin's)* (CCD: Liffey A)

Thursday	10:00 – 01:30		
Friday	10:00 – 02:00		
Saturday	10:00 – 02:00		
Sunday	10:00 – 01:00		
Monday	10:00 – 15:30	**Dead Dog Party**	20:00 – 02:00

Late Night Filk Circles (CCD: Liffey Rooms 1 and 2)

Thursday	21:00 – 01:00
Friday	21:00 – 01:00
Saturday	21:00 – 01:00
Sunday	21:00 – 01:00

Literary Beers (Fan Bar – CCD: Liffey A)

Thursday	17:00 – 22:00
Friday	17:00 – 22:00
Saturday	17:00 – 22:00
Sunday	17:00 – 22:00

Press Office (CCD: Liffey Boardroom 1)

Thursday	09:00 – 17:00
Friday	09:00 – 17:00
Saturday	09:00 – 17:00
Sunday	09:00 – 24:00
Monday	09:00 – 17:00

CCD: Level 1

Programme Operations Office (CCD: Liffey Room 4)

Thursday	12:00 – 18:00
Friday	09:30 – 18:00
Saturday	09:30 – 18:00
Sunday	09:30 – 18:00
Monday	09:30 – 15:00

Quiet Space (CCD: Liffey Boardroom 3)

Thursday	10:00 – 01:00
Friday	10:00 – 01:00
Saturday	10:00 – 01:00
Sunday	10:00 – 01:00
Monday	10:00 – 15:00

CCD: Level 2

Wicklow Halls and Meeting Rooms: programme items, evening dances, and parties (see schedule for details)

CCD: Level 3

Exhibits (CCD: Level 3 East and West Foyer)

Thursday	10:00 – 01:00
Friday	10:00 – 01:00
Saturday	10:00 – 01:00
Sunday	10:00 – 01:00
Monday	10:00 – 15:00

Kaffeeklatsches (CCD: Level 3 West Foyer)

Thursday	14:00 – 18:00
Friday	10:00 – 18:00
Saturday	10:00 – 18:00
Sunday	10:00 – 18:00
Monday	10:00 – 15:00

CCD: Level 4

Autographing (CCD: Level 4 Foyer)

Thursday	10:00 – 18:00
Friday	10:00 – 18:00
Saturday	11:00 – 18:00
Sunday	10:00 – 16:00
Monday	10:00 – 15:00

Teen Lounge (CCD: Level 4 Central Foyer)

Thursday	20:00 – 01:00
Friday	20:00 – 01:00
Saturday	20:00 – 01:00
Sunday	20:00 – 01:00

CCD: Level 5

Programme Green Room (CCD) (CCD: Level 5 Foyer)

Thursday	09:30 – 21:00
Friday	09:30 – 21:00
Saturday	09:30 – 21:00
Sunday	09:30 – 21:00
Monday	09:30 – 15:00

Point Square Dublin

(Point Square Programme items begin at 10:30)

Art Show and Exhibits (Point Square: Warehouse 1 and 2)

Thursday	10:00 – 18:00	
Friday	10:00 – 19:00	**Art Show Reception** 17:30 – 19:00
Saturday	10:00 – 18:00	
Sunday	10:00 – 18:00	(Silent Auction closes at 15:00)
Monday	10:00 – 16:00	

Opening Times

Autographing (Point Square: Mezzanine)

Thursday	10:30 – 17:30
Friday	10:30 – 17:30
Saturday	10:30 – 17:30
Sunday	10:30 – 17:30
Monday	10:30 – 15:30

Convention Operations Office (Point Square)

Friday	08:00 – 19:00
Saturday	08:00 – 19:00
Sunday	08:00 – 19:00
Monday	08:00 – 18:00

Information Desk (Point Square)

Thursday	10:00 – 18:00
Friday	10:00 – 18:00
Saturday	10:00 – 18:00
Sunday	10:00 – 18:00
Monday	10:00 – 16:00

Programme Green Room (PS) (Point Square: Odeon Level)

Thursday	10:00 – 16:30
Friday	10:00 – 17:30
Saturday	10:00 – 17:30
Sunday	10:00 – 17:30
Monday	10:00 – 15:30

WSFS Business Meeting (Gibson Hotel: Stratocaster Suite)

Friday	10:00 – 13:00
Saturday	10:00 – 13:00
Sunday	10:00 – 13:00
Monday	10:00 – 13:00

The Spencer Hotel

Childcare (Spencer Hotel: Pegasus Suite)

Thursday	09:00 – 21:00
Friday	09:00 – 21:00
Saturday	09:00 – 24:00
Sunday	09:00 – 24:00
Monday	09:00 – 17:00

Children's Programme (Spencer Hotel: Columba Suites 1 and 2)

Thursday	13:00 – 16:30	**Family Events** 17:00 – 18:30
Friday	09:30 – 12:30, 14:00 – 16:30	**Family Events** 17:00 – 18:30
Saturday	09:30 – 12:30, 14:00 – 16:30	**Family Events** 17:00 – 18:30
Sunday	09:30 – 12:30, 14:00 – 16:30	**Family Events** 17:00 – 18:30
Monday	09:30 – 12:30, 14:00 – 16:30	

Dublin 2019 thanks the DC in 2021 Worldcon Bid for their generous support for our Staff Lounges in memory of Peggy Rae Sapienza, the Chair of Bucconeer, the 1998 Worldcon in Baltimore, Maryland, and a champion of volunteers everywhere.

A few weeks ago the Dublin 2019 Committee learnt of the untimely death of Martin Hoare, who was to have been the Fan Bar Manager in Dublin. Martin will be greatly missed by Irish, UK, and Worldcon fandom where his knowledge about good beer was unparalleled. But especially by Irish fandom who had adopted this Englishman and made him an important part of the Irish National Convention – Octocon.

In memory of Martin's contribution to Irish Fandom and his wider impact the Dublin Committee think it only appropriate that the Fan Bar in Liffey-A should be named in his honour. Which is why you'll no longer find a reference to a Fan Bar at Dublin, but to references to Martin's Bar, where we hope you'll have a drink in his memory.

Dublin 2019 – An Irish Worldcon Offer our Deepest Thanks to These Organisations

Fáilte Ireland has supported Dublin 2019 since its launch as a Worldcon bid way back in 2013. Without them we could not have won the bid to bring the Worlcon to Ireland! (failteireland.ie, *@Failte_Ireland)*

The Dublin City Council events team has provided great support to Dublin 2019. (dublincity.ie/events, @events_DCC)

Dublin is the fourth UNESCO City of Literature, one of 28 UNESCO Cities of Literature worldwide and we'd like to thank them for their support.

See their website at dublincityofliterature.ie/literary-dublin/things-to-do for suggestions of what to see in literary Dublin. (@DublinCityofLit)

Dublin 2019 Code of Conduct

We want to steer our convention so that a positive space and strong community emerges from the beginning.

Dublin 2019 aims to build a community for all fans, and Codes of Conduct (COC) help to make an inclusive community. With that in mind, please take a moment to review our Code of Conduct and Anti-Harassment Policy.

Codes of Conduct and Anti-Harassment Policies enable, guide, and encourage safe and secure relationships between convention Attendees. They help to make conventions a safer space by discouraging anti-social behaviour and helping everyone to feel comfortable.

This Code applies to all Dublin 2019 Attendees. Attendees includes Committee, Staff, Volunteers and Members, and all others trading, exhibiting and otherwise participating. We will also expect those working for the Convention Centre and all Dublin 2019 venues to act, and to be treated, in line with the principles of this Code of Conduct.

You will find references to our Listener Team throughout this Code of Conduct. The Listener Team is a group of people whose mandate is to receive reports on potential violations of the Code of Conduct. They can escalate issues appropriately, discuss them in a totally confidential manner, and/or act as mediators, according to the wishes of the person raising the issue.

More COC details may be added, particularly identifying our Listener Team and Volunteers and where to find them during the convention. For more information, see Dublin2019.com/about/policies.

How Can I Help?

- Read and follow this Code of Conduct. Ask your friends to read it as well.
- Support others – if you see someone who looks like they need help, ask if they're ok or engage a Volunteer.
- Ask first! The easiest way to avoid issues is to check before doing something, and it only takes a second.
- Remember that the Attendees of Dublin 2019 come from all over the world; cross-cultural misunderstanding can easily happen, so consider this in your humour and interactions, both online and in-person.
- Consider joining our Volunteer team by emailing us at volunteer@dublin2019.com or filling out this form.

Expectations and Policy

Everyone involved with Dublin 2019 is expected to show respect towards the convention Attendees, as well as venue staff, the general public, and the various communities associated with the convention. This is a family-friendly convention; children will be present at many events and in open spaces, so please consider this in your conduct.

Dublin 2019 is dedicated to providing a harassment-free convention experience for all Attendees, regardless of ethnicity, gender identity and expression, sexual identity or sexual orientation, neurodiversity, disability, physical ability or appearance, race, age, religion, or fiction/fandom preferences (this list is not exhaustive).

We do not tolerate harassment of convention Attendees in any form. Behaviour that will be considered harassment includes, but is not limited to:

- Intimidation, stalking, or following
- Unwelcome physical contact
- Unwelcome sexual attention
- Comments intended to belittle, offend, or cause discomfort
- Photographing or videoing members without their consent
- Treating cosplay/costumes as consent for contact or interaction
- Sustained disruption of talks or other events
- Sexually graphic or otherwise inappropriate images in public spaces
- Advocating for, or encouraging, any of the above behaviour

Dublin 2019 Code of Conduct

We require Attendees to follow this code in online interactions with the convention (including the Volunteer mailings, wiki, and other online facilities), at all convention venues and convention-related social activities. In addition, we are bound by Irish Equality Law, which can be viewed here.

Attendees who are asked to stop any harassing behavior must comply immediately.

Anti-Racism Statement

Racism is on the rise across all sections of society: in sports and the media, in politics, and in our own fandom communities. Dublin 2019 is committed to being as close to oppression free as possible, and central to this is our policy on racism, including prejudice, bias, the expression of privilege, aggressions, and microaggressions. This includes contributions made in discussion sessions and also things said to and about other Dublin 2019 Attendees.

At Dublin 2019 we want to ensure no one is talked over, ignored, or dismissed, and we are committed to making Dublin 2019 as accessible as we can to people from all racial and ethnic backgrounds. Problems non-white Attendees of fandom events often reference include, but are not limited to:

- Having their lived experiences dismissed
- Being expected to be an authority on non-white characters in various fandoms
- Being talked down to or assumed to be less knowledgeable about topics being discussed
- People critiquing their cosplay costumes without being asked
- A presumption by some members of fandom that people of colour do not belong in fandom and that they should not be centered in storytelling
- The use of Social Justice Warrior or SJW as a pejorative term meant to demean or belittle the idea of diversity and inclusion in fandom and storytelling
- The use of social media to target people of colour and allies for harassment and abuse as an outgrowth of their participation in panels, discussions, or when commenting on their participation in fandom
- Being targeted in person or through social media with acts of aggression, harassment, or retribution for calling out harassers and abusive behavior

This sort of behaviour will not be tolerated at Dublin 2019.

(For full disclosure, this statement on racism was not written by a person of colour, but was edited and reviewed by several people of colour within the fandom community. However, if anyone with personal experience with racism would like to share suggestions for or criticisms of this Code of Conduct, please contact us at coc@dublin2019.com.)

Reporting

Before the convention: You can report harassment or other Code of Conduct violations by email to coc@dublin2019.com. This address will be continuously monitored by our Listener Team both prior to, and for the duration of Dublin 2019. Or call +353 87 342 4160 (24/7).

At the convention: If someone has harassed you or breached this Code of Conduct in any way, or if you have witnessed or become aware that harassment or a Code of Conduct breach has taken place, please ask that person or persons to stop – as long as it is safe to do so and if you feel comfortable enough to make the request. To help us identify patterns of behaviour and possible repeat offenders, we would be grateful if you would also report the harassment as set out below.

If you do not want to speak to the person(s) directly, or if you engage with them and the harassment or Code of Conduct breach does not stop, please report the issue as soon as possible to a Volunteer Member or Listener Team Member. They can be identified at the convention by their

Listener ribbons. There will be a staffed Listener Desk near the Info Desk at the convention and you can also ask any member of Dublin 2019 staff to call a Listener. Alternatively, you can report by email to coc@dublin2019.com. This address will be continuously monitored by our Listener Team before, during, and after Dublin 2019.

Harassment and other Code of Conduct violations reduce the value of Dublin 2019 for everyone – we want you to be happy at our convention, so please do speak to us if needed.

What Will Happen if You Make a Report?

When taking an in-person report, our Listener Team will first ensure that you are safe and cannot be overheard. They may involve other event staff to ensure your report is managed properly. Once you are safe, we'll ask you to tell us about what happened, and what you would like to happen next. We understand this can be upsetting, but we'll handle it as respectfully as possible and try to support you.You can also bring another person to support you if you wish.

If you submit a report by email, our Listener Team will respond to you as quickly as possible, and proceed at their discretion, based on the content, context and wishes expressed in your email.

However, you choose to report an issue, you won't be asked to confront anyone, and we will do our best to protect your identity if we take action as a result of your report. Details of your complaint will only be disclosed to the team or Committee members who are dealing with it. We will keep you advised of the progress we're making in handling the issue, and of any action we decide to take. We will take into account your views when deciding on that action. However, please be aware that, if you report a serious criminal matter, or we believe that you or someone else may be in danger, we may need to contact the police. We would take into account any concerns you may have around involving them.

The Dublin 2019 Team has the right to take any actions needed to keep our event a welcoming environment for all Attendees. Measures taken may include warning the offender, mediating solutions between parties, or taking any other action the team considers necessary, up to and including expulsion from the convention with no refund, at our discretion.

If you wish to take further steps following your report and our response, our team will be happy to help you contact hotel/venue security, local law enforcement, local support services, or otherwise assist you to feel safe for the run-up to and duration of the event. Above all, we want you to feel valued, safe and included at our convention!

(Credit where it's due: this Code of Conduct is loosely based on Geek Feminism's example anti-harassment policy, created by volunteers.)

Still Photography, Video, and Audio Recordings in Programme and Event Spaces

Still photography, as well as video, and audio recording for personal, non-commercial use is allowed in all programme and event spaces, with the following exceptions:

- signage designating an event or programme session as not to be recorded or photographed. This will be posted at the entrance and will be monitored
- the moderator or MC indicates the programme item is not to be recorded or photographed
- no flash photography is permitted at any time.
- The WSFS Business Meeting will be recorded per the provisions of the WSFS Standing Rules.

Our Venues

Dublin 2019 – An Irish Worldcon is operating in three locations: The Convention Centre Dublin (CCD), The Spencer Hotel Dublin City, and Point Square Dublin.

The Convention Centre Dublin (CCD)

The CCD is where the bulk of activities occur, including Opening Ceremony (which includes the Retro Hugo Awards, Big Heart Award, and First Fandom awards presentations), the Hugo Awards Ceremony, the Masquerade, and Closing Ceremonies.

The main space on the CCD ground level, the Forum, will host the Dealers Area, Creators Alley, Fan Tables, Guest of Honour displays (among others!), and 2021 Worldcon Site Selection. The Academic Poster competition will be held in the CCD Level 4 Foyer.

If you like parties, this is your place to be! Parties begin mid-evening each night on CCD Level 4 in the Wicklow meeting rooms. All night-time activities will be held here.

Any activities not listed elsewhere occur at the CCD.

The Spencer Hotel Dublin City

The Spencer will host Childcare and the Children's Programme.

Point Square Dublin

Point Square consists of the adjoining buildings of the Point Square Shopping Centre and the Gibson Hotel. It serves as a creative hub highlighting science and the visual arts. The convention is using the Odeon Point Square Cinema and other spaces, which we are calling the Warehouse 1 and Warehouse 2. (You'll understand the first time you visit.)

The Odeon Cinema screening rooms will host the majority of programme items dealing with science and technology, art, costuming, and comics and graphic novels. The Academic Track will also be run in Odeon 6.

Warehouse 1 will house the Art Show and Print Shop, the Maeve Clancy Installation, Lego showpieces from Brick.ie (among other displays), and collaborative art projects for members to participate in, including letterpress printing with the National Print Museum. Crafting sessions where you can hone your craft skills are here as well.

Warehouse 2 will be home to performances, book launches, and the Art Show Reception on Friday evening.

Some autographing sessions will be on the Odeon Point Square Mezzanine on the same level as the Warehouse spaces.

The Gibson Hotel at Point Square Dublin

The WSFS Business Meeting and other functions, plus some regular programming on a wide variety of topics, will be held in some rooms at the Gibson Hotel.

Travelling Between the CCD and Point Square

It is a 15-minute walk between the CCD and Point Square. However, the majority of our attendees will likely use the Luas Light Rail Transit System (luas.ie) Red Line Spencer Dock and The Point stops. Ticket vending machines are located at every stop. They accept coins, notes and debit/credit cards, and also give change. Please note that you cannot purchase tickets onboard the trams. You must have a valid ticket at all times on the tram. If you use public transportation every day, you might want to purchase a seven-day Leap Visitors Card (€40). For detailed Leap Card information, visit leapcard.ie.

Convention Centre Dublin (CCD)

Note to US visitors: In Ireland, a building ground floor is G and counting begins on the first floor above that. So, for example, Level 1 of the CCD would be the second floor in the US.

Access Desk

If you need access assistance, want to pick up your reserved mobility device, have any comments, suggestions, requests, or if you would like to get involved, come to the Access Desk.

Accessible Toilets

Accessible toilets are located throughout the CCD on every floor. They have an alarm pull cord system, and are unisex.

Auditorium Events Box Office

The CCD has asked us to implement a system to deal with crowds at our major events in the CCD Auditorium. An Events Box Office is located in the CCD Ground Floor Foyer from 13:00 – 16:00 on Thursday to Sunday. At the Box Office, you will be given a free colour-coded wristband that indicates which entrance to use to enter the Auditorium and at what time. You do not need a wristband for events in other performance spaces.

Thursday	Opening Ceremony featuring the 1944 Retrospective Hugo Awards Ceremony
Friday	Dublin's Worldcon Orchestra
Saturday	Masquerade
Sunday	2019 Hugo Awards Ceremony

Dublin 2019 Registration

Go to Registration to pick up your member badge and items such as this pocket convention guide and souvenir book.

Information Desk

The Information Desk is your place for general queries about our Worldcon and Dublin in general. You can also report harassment or other Code of Conduct violations to a Listener near the Information Desk.

Masquerade Registration Desk

Masquerade participants must check in as soon as possible to receive information packets and release forms and to submit documentation and audio recordings, etc. New registrations will be accepted on-site until 18:00 on Friday.

Dublin 2019 Merchandise Table

Dublin 2019 souvenir goodies by OffWorld Designs are available in the CCD Ground Floor Foyer Tuesday – Thursday and then in the Dealers Area in The Forum on the CCD Ground Floor Friday – Monday.

Mobility Device Parking and Charging

Mobility device parking and charging spaces are located in the CCD Ground Floor Foyer and Parking Garage and Point Square Warehouse 1. Additional parking areas are located on each level of the CCD.

Press Check-In Desk

Members of the press and creators of online media who are covering the convention should check in here.

Programme Participant Check-In Desk

Programme participants should pick up their programme packets here. Note that you need to pick up your membership badge at Registration.

Quiet Space

A Quiet Space will be available on CCD Level 1 in the Liffey Boardroom 3.

Teen Lounge

An evening Teen Lounge with unstructured activities like games from the Gaming Hall library will be open in the CCD Level 4 Central Foyer Thursday through Sunday, running from 20:00 until 01:00 the next morning.

Visit the lounge for details each night!

Adjoining the Teen Lounge will be an adjoining social area set aside for adults. Because members under 15 must be accompanied by an adult, they are especially welcome in this lounge.

A non-alcoholic bar will be open near the Teen Lounge. Alcohol is not to be consumed on this level from 20:00 onwards.

Volunteer Desk

Everyone who works on Dublin 2019 is a volunteer, no matter what their role. It is a 100% volunteer effort run by fans for fans. Like all Worldcons, Dublin 2019 is a huge and complicated event, and we need literally hundreds of volunteers to help make it happen. If you can help us make Dublin 2019 a truly great Worldcon, please volunteer at the Volunteer Desk. You can choose from a variety of tasks and areas, and qualify for volunteer thank-you goodies!

Volunteer benefits include groats (named after the Irish silver coin worth four pence, not the cereal grain — our groats can be redeemed for food and beverages at CCD food booths), prize raffles, a special t-shirt, and priority seating rewards. If you would like to help us make Dublin 2019 a truly great Worldcon, please volunteer.

Help Wanted

- Like twiddling knobs and pushing buttons?
- Know your gaffer from your electrical tape?
- Want a spot at the back of the room where you can control how people sound?
- Why not join Tech?

The Tech Crew are looking for volunteers for everything from running vision to running around with mics during question times. Interested?

Additional Information

2021 Worldcon Site Selection

Vote for the site of the 2021 Worldcon in the Exhibits Hall in the CCD Ground Level Forum. Your €40 Advance Supporting Membership (Voting) Fee automatically converts to a Supporting Membership for the winning 2021 Worldcon bid. Voting will close on Saturday.

Thursday	12:00 – 18:00
Friday	10:00 – 18:00
Saturday	10:00 – 16:00

Badge Policy

Member badges must be worn at all times in Dublin 2019 convention spaces by all members and staff except as authorized by the convention. Badges may not be shared except as authorized by the convention. If you lose your badge, check with the Registration Solutions Desk. There will be a replacement fee.

Childcare

Our childcare provider is MinderFinders, a local Irish childcare provider. Childcare is located at the Spencer Hotel. Opening times are listed in the Opening Times section. If you did not book childcare in advance, walk-in childcare may be available, but is on a first-come, first-served basis and subject to staffing ratios. The hourly rate is €11 per hour for each child.

Clothing

Costumes are allowed. Attendees in large costumes must use the lift rather than the escalators. You are not allowed to go barefoot anywhere in our venues. Costumes, and general clothing, must be decent and within the nudity laws of Ireland.

Daily Newsletter

You can reach our daily newsletter at newsletter@dublin2019.com. Distribution points and contribution boxes are located in the CCD.

Contact Numbers

All Dublin 2019 Divisions are contactable by radio. Just ask at a convention desk or any staff member to make contact. There are also mobile numbers for some areas.

- Convention Operations (24/7) **+353 87 342 0902**
- Convention Operations (Office Hours) **+353 1 818 4713**
- Listener/Code of Conduct (24/7) **+353 87 342 4160**
- Store Street Gardaí Station (Irish police) **+353 1 666 8000**

First Aid

Qualified First Aid personnel will be in each Dublin 2019 venue. If you are in need of First Aid assistance, follow these venue-specific steps:

- CCD: Go to the Information Desk (CCD Ground Floor Foyer) or Convention Operations Office (CCD Level 1 Liffey Room 5) or inform a member of staff. You can also make contact directly with one of the CCD's Host personnel.
- Spencer Hotel: Inform a member of the Dublin 2019 staff or contact hotel reception.
- Gibson Hotel: Inform a member of the Dublin 2019 staff or contact hotel reception.
- Odeon Cinema, Point Square: Inform a member of the Dublin 2019 staff or Odeon staff.
- Warehouse, Point Square: Go to the Information/Operations Desk or inform a member of the Dublin 2019 staff.

Food and Beverages

The CCD will have food and beverages for sale during Dublin 2019, and Point Square has several restaurants and a coffee bar. The legal drinking age in Ireland is 18. Only alcohol purchased on the premises can be consumed on the premises. Attendees can bring their own food and non-alcoholic drinks on site. Attendees are free to move around the venue with drinks but when using the lifts or escalators, drinks must be in closed containers to minimise the risk of spillage. (The CCD cannot allow open drinks on escalators for Health & Safety reasons.) Any breach of these rules will cause the CCD's Security Team to ask attendees to leave the venue.

Food Allergens

Irish food businesses must declare the presence of 14 food allergens used as ingredients in their foods. For details, see The Food Safety Authority of Ireland website at fsai.ie.

Open Parties

Starting Thursday night, open parties will be held in the six CCD Level 3 Wicklow Meeting Rooms.

Smoking

Smoking in Ireland is banned fully in the general workplace, enclosed public places, restaurants, bars, education facilities, healthcare facilities, and public transport. The CCD is non-smoking, including vaping. There is a smoking area outside the front door for both smokers and vapers.

Social Media

Find us on Twitter at **@Dublin2019**, **Dublin2019** on Facebook, and **dublin2019worldcon** on Instagram. If you post comments or photos, please include **#Dublin2019** and **#AnIrishWorldcon** hashtags.

Weapons Policy

Compliance with the Weapons Policy & Prop Weapon Guidelines is mandatory for all attendees. Dublin 2019 and venue staff reserves the right to consider any weapon or prop to be breaking these rules if deemed to be unsafe or likely to cause danger or undue disruption. For the complete Dublin 2019 Weapons Policy, see the Dublin 2019 Policies page at dublin2019.com/about/policies.

World Science Fiction Society (WSFS)

All current Worldcon members may participate in the annual WSFS Business Meeting. The first meeting during Dublin 2019 will be held on Friday from 10:00 – 13:00 in the Gibson Hotel Stratocaster Suite. Meetings are held on the second, third, and fourth day of Worldcon (and very occasionally on the fifth day if necessary).

Beyond the Con

Emergency Services

To contact Emergency Services, phone 999 or 112. Emergency Services is able to respond in English, Irish, Polish, French, German, and Italian. When the call is answered, the dispatcher will ask "Emergency, which service?". The caller may then request the Gardaí (Irish police), ambulance, fire service, coast guard, or cave and mountain rescue service. (If we need mountain rescue, something has gone *very* wrong!)

Medical Services

The closest full-service emergency room, open 24 hours a day, is Mater Misericordiae University Hospital, Eccles St, Dublin 7, +353 01 803 2488. 2.6 km northwest of the CCD.

The closest walk-in center (for minor injuries/illnesses) is Mater Smithfield Rapid Injury Clinic, Smithfield, Dublin, +353 01 657 9000, 353 (01) 854-5247, 3.1 km west of CCD. Open 08:00-18:00 Monday – Friday; and 10:00-18:00 Saturday – Sunday

Pharmacy

The closest pharmacy is Remedi IFSC Pharmacy, located northwest of the CCD (Unit 8 Custom House Square, IFSC), a 5-minute walk and across from the Fresh – The Good Food Market convenience store at 1 Mayor Street Lower. Open 08:00-20:00 Monday – Friday; 11:00-18:00 Saturday; and closed on Sunday.

ATM / Cash Machine

The closest ATM to the CCD is in the Fresh – The Good Food Market convenience store at 1 Mayor Street Lower.

Food Market

The closest grocery/convenience store is Fresh – The Good Food Market, 1 Mayor Street Lower, a 5-minute walk northwest of the CCD, and a block north of the Spencer Hotel. Groceries, takeaway prepared food, wine and beer are available. Open 07:00-22:00 Monday – Friday; 08:00-22:00 Saturday; and 09:00-22:00 Sunday.

Post Office

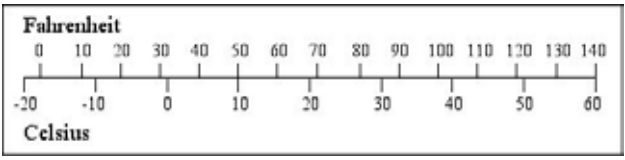
The closest post office is the Upper Erne Street Post Office at 24 Erne Street Upper, Dublin 2, Ireland, an 11-minute walk. Open 09:00-13:00, 14:15-17:30 Monday – Friday; 09:00-13:00 Saturday; and closed Sunday.

Posting on CCD Walls

The only material allowed for posting material on CCD walls is low-cling static sheets. Message boards will be available for posting information flyers.

Wi-Fi

The CCD has complimentary guest Wi-Fi service suitable for checking email and light browsing. For more information, see the CCD FAQ web page at theccd.ie/faqs.



Note: The CCD has asked us to implement a system to deal with crowds at our major events in the CCD Auditorium. An Events Box Office will be located in the CCD Ground Floor Foyer from 13:00 – 16:00 on Thursday to Sunday. At the Box Office, you will be given a free color-coded wristband that indicates which entrance to use to enter the Auditorium and at what time.

Opening Ceremony featuring the 1944 Retrospective Hugo Awards Ceremony

Join us on Thursday at 18:00 in CCD: Wicklow Hall 2A for the Official Opening of Dublin 2019 – An Irish Worldcon! Hosted by Ellen Klages and Dave Rudden, this evening of surprises will introduce you to our Guests of Honour and special guests, include presentations of the Big Heart and First Fandom Awards, and preview the many exciting performances that await you over the weekend! Following our Opening Ceremony, we invite you to stay for the 1944 Retrospective Hugo Awards Ceremony. Retro Hugos are awarded for any year since 1939 (the first Worldcon) for which no Hugos were awarded on an anniversary that is a multiple of 25 years since that year. This year is the 75th anniversary for activity and works produced in 1943.

Dublin's Worldcon Orchestra

Friday night brings an unmissable treat with the inaugural live performance of Dublin's Worldcon Orchestra, produced by Adam Robinson, starting at 20:00 in the CCD Auditorium. The programme for the evening includes musical works inspired by science fiction, fantasy, and the music and heritage of Ireland.

Masquerade

A long-standing favorite event at Worldcon, the Masquerade is a series of mini-theatrical productions in which Worldcon members of all levels and abilities show off their costuming skills to entertain the audience and compete for awards. All Worldcon members are welcome to participate, either by producing and entering costumes of their own or by joining the audience to watch the show on Saturday night starting at 20:00 in the CCD Auditorium.

The 2019 Hugo Awards Ceremony

The Hugo Awards Ceremony is the premier event of Worldcon and celebrates the best science fiction and fantasy and fan participation of 2018. Hosted by Afua Richardson and Michael Scott, we invite you to join us in congratulating this year's finalists and winners of the prestigious Hugo Awards on Sunday evening at 20:00 in the CCD Auditorium.

Aduantas: To the Waters and the Wild

Join us on Monday at noon in the CCD Auditorium for Aduantas: To the Waters and the Wild, an aerial and acrobatic blurring of the human world and that other Ireland that you might have glimpsed before in a shift of the light. Come dance with us! And please... do stay.

Closing Ceremony

All good things must come to an end, and for Dublin 2019 – An Irish Worldcon, that ending will come on Monday at 16:30 in the CCD Auditorium. We will take a look back at the weekend that was, say farewell to our Guests of Honour, and get a sneak preview of what awaits us at the 2020 Worldcon, CoNZealand!

Docent Tours

11:00	**Convention tour – Thursday**			Thursday
	1015	50 minutes		Other: Miscellaneous - Onsite
11:30	**Maeve Clancy installation talk**			Thursday
	1026	60 minutes	Point Square Dublin: Maeve Clancy Installation	
11:00	**Convention tour – Friday**			Friday
	1253	60 minutes		Other: Miscellaneous - Onsite
11:00	**Convention tour – Saturday**			Saturday
	1573	50 minutes		Other: Miscellaneous - Onsite

Concerts

12:00 **Concert: Andrew Ross** Thursday
2123 50 minutes CCD: Wicklow Hall 2A

13:00 **Concert: Ju Honisch** Thursday
2192 50 minutes CCD: Wicklow Hall 2A

14:00 **Concert: Lynn Gold** Thursday
2270 50 minutes CCD: Wicklow Hall 2A

16:30 **Concert: John McDaid** Thursday
2474 50 minutes Point Square: Warehouse 2 - Performance space

21:00 **Thursday filk circles 1** Thursday
2645 230 minutes CCD: Liffey Room-1

21:00 **Thursday filk circles 2** Thursday
2648 230 minutes CCD: Liffey Room-2

22:00 **Concert: Erwin 'Filthy Pierre' Strauss** Thursday
2651 50 minutes CCD: Wicklow Hall 2A

11:30 **Concert: Canticles Productions** Friday
3201 60 minutes CCD: Liffey-B (Second Stage)

13:00 **Concert: Brimstone Rhime (C. S. E. Cooney)** Friday
3387 20 minutes Point Square: Warehouse 2 - Performance space

13:30 **Concert: Blind Lemming Chiffon** Friday
3393 50 minutes Point Square: Warehouse 2 - Performance space

14:00 **Concert: Natalie Ingram** Friday
3474 50 minutes CCD: Wicklow Hall 2A

14:30 **Concert: Mark Bernstein** Friday
3498 50 minutes Point Square: Warehouse 2 - Performance space

15:00 **Concert: Deirdre Murphy** Friday
3582 20 minutes CCD: Wicklow Hall 2A

20:30 **Concert: The Doubleclicks** Friday
3915 60 minutes CCD: Liffey-B (Second Stage)

21:00 **Friday filk circles 1** Friday
3933 170 minutes CCD: Liffey Room-1

21:00 **Friday filk circles 2** Friday
3936 230 minutes CCD: Liffey Room-2

22:00 **Media sing-along** Friday
3945 110 minutes CCD: Liffey-B (Second Stage)

10:30 **Concert: Sassafras** Saturday
4102 50 minutes Point Square: Warehouse 2 - Performance space

11:30 **Concert: Kerri-Ellen Kelly** Saturday
4207 50 minutes Point Square: Warehouse 2 - Performance space

13:45 **Concert: John McDaid** Saturday
4423 50 minutes CCD: Wicklow Hall 2A

14:45 **Concert: T. J. Burnside Clapp** Saturday
4528 20 minutes CCD: Wicklow Hall 2A

15:00 **Concert: Another Castle** Saturday
4594 60 minutes Point Square: Warehouse 2 - Performance space

15:30 **Concert: Bed & Breakfast (Bill and Brenda Sutton)** Saturday
4603 50 minutes CCD: Wicklow Hall 2A

16:30 **Concert: Alexander James Adams** Saturday
4711 50 minutes Point Square: Warehouse 2 - Performance space

17:00 **Concert: Death Ingloria (Galina Rin)** Saturday
4786 50 minutes CCD: Wicklow Hall 2A

20:00 **Concert: The Library Bards** Saturday
4939 60 minutes CCD: Liffey-B (Second Stage)

21:00 **Saturday filk circles 1** Saturday
4966 230 minutes CCD: Liffey Room-1

21:00 **Saturday filk circles 2** Saturday
4969 230 minutes CCD: Liffey Room-2

10:00 **Concert: Sam Watts** Sunday
5072 30 minutes CCD: Wicklow Hall 2A

10:30 **Concert: Another Castle** Sunday
5096 50 minutes Point Square: Warehouse 2 - Performance space

11:30 **Concert: Death Ingloria (Galina Rin)** Sunday
5198 20 minutes Point Square: Warehouse 2 - Performance space

Concerts

12:15 **Concert: Kerri-Ellen Kelly** Sunday
5291 50 minutes Point Square: Warehouse 2 - Performance space

15:00 **Concert: Irish Video Game Orchestra** Sunday
5609 60 minutes Point Square: Warehouse 2 - Performance space

16:30 **Concert: Claire McCague** Sunday
5696 50 minutes Point Square: Warehouse 2 - Performance space

18:00 **Concert: Bed & Breakfast (Bill and Brenda Sutton)** Sunday
5825 50 minutes CCD: Wicklow Hall 2A

21:00 **Sunday filk circles 1** Sunday
5888 230 minutes CCD: Liffey Room-1

21:00 **Sunday filk circles 2** Sunday
5891 230 minutes CCD: Liffey Room-2

22:00 **Concert: The Doubleclicks** Sunday
5894 60 minutes CCD: Wicklow Hall 2A

10:00 **Concert: The Library Bards** Monday
6060 45 minutes CCD: Wicklow Hall 2A

10:30 **Concert: Gary Ehrlich** Monday
6081 50 minutes Point Square: Warehouse 2 - Performance space

12:30 **Concert: Daoirí Farrell** Monday
6261 60 minutes CCD: Liffey-B (Second Stage)

13:00 **Concert: Spider Robinson** Monday
6333 50 minutes CCD: Wicklow Hall 2A

13:30 **Concert: Sassafras** Monday
6354 50 minutes Point Square: Warehouse 2 - Performance space

Plays

11:00 ***High Stakes*** **Thursday**
2063 60 minutes CCD: Wicklow Hall 2A

12:30 **Geek! presented by the Socratic Theatre Collective** **Thursday**
2144 75 minutes CCD: Liffey-B (Second Stage)

14:30 ***P/Faerie Tale* – pop up #1** **Thursday**
2294 50 minutes Point Square: Warehouse 2 - Performance space

18:00 ***The Enchanted Duplicator*** **Thursday**
2579 80 minutes CCD: Liffey-B (Second Stage)

10:00 ***P/Faerie Tale* – pop-up #2** **Friday**
3072 50 minutes CCD: Wicklow Hall 2A

16:00 ***Girl Genius*: a radio play** **Friday**
3681 50 minutes CCD: Wicklow Hall 2A

17:00 ***ConEIRE*** **Friday**
3771 50 minutes CCD: Wicklow Hall 2A

18:00 ***Dr. Krell & The Carnyx of Terror*** **Friday**
3843 75 minutes CCD: Liffey-B (Second Stage)

12:15 ***The Eldritch Accountant*** **Saturday**
4291 60 minutes CCD: Wicklow Hall 2A

14:00 ***P/Faerie Tale*** **Saturday**
4486 90 minutes CCD: Liffey-B (Second Stage)

19:00 ***Walls and Windows*** **Saturday**
4891 50 minutes CCD: Wicklow Hall 2A

22:00 ***Down Below the Reservoir*** **Saturday**
4984 90 minutes CCD: Liffey-B (Second Stage)

13:30 **Geek! presented by the Socratic Theatre Collective** **Sunday**
5411 75 minutes CCD: Liffey-B (Second Stage)

10:00 **A *Critical Miss*, presented by Tantalus Ireland** **Monday**
6072 90 minutes CCD: Liffey-B (Second Stage)

Dances

21:00 **Ceilidh dance** Friday
3930 175 minutes CCD: Wicklow Hall 2A

22:00 **John Scalzi's 'Dance Across the Decades'** Saturday
4981 180 minutes CCD: Wicklow Hall 2A

Receptions

14:00 **Meet the GoHs: Steve Jackson and Jocelyn Burnell Bell** Friday
3435 50 minutes CCD: Liffey-A

17:30 **Art Show reception** Friday
3792 90 minutes Point Square: Warehouse 2 - Performance space

14:00 **Meet the GoHs: Ginjer Buchanan and Diane Duane** Saturday
4438 50 minutes CCD: Liffey-A

14:00 **Meet the GoHs: Bill & Mary Burns and Ian McDonald** Sunday
5456 50 minutes CCD: Liffey-A

15:00 **Volunteers meet the GoHs** Monday
6456 75 minutes CCD: Level 5 Foyer (Green Room)

Other Awards

14:30 **Seiun Awards presentation and discussion** Saturday
4525 50 minutes Point Square: Stratocaster BC

14:30 **Octocon presents: The Golden Blasters** Sunday
5537 110 minutes Point Square: Odeon 1

10:30 **The Prometheus Awards** Monday
6090 50 minutes Point Square: Odeon 5

Other Events

14:00 **Wild Cards: Wild West Trivia** Thursday
2282 80 minutes CCD: Liffey-B (Second Stage)

16:00 **Gin tasting with GoH Ian McDonald** Thursday
2453 110 minutes CCD: Wicklow Room-3

16:00 **Fan funds auction** Saturday
4642 110 minutes CCD: Wicklow Hall 2B

17:00 **Octocon presents: The Vault of Horror** Saturday
4798 110 minutes CCD: Liffey-B (Second Stage)

20:00 **Bright Club Ireland** Saturday
4924 50 minutes CCD: Wicklow Hall 2A

Fan Funds Auction

Are you a generous and discerning convention attendee who'd like to support fannish travel funds such as TAFF (the Trans-Atlantic Fan Fund) and GUFF (the Going Under/Get Up-and-over Fan Fund) as they strengthen connections across SF fandom by exchanging delegates between continents? Come to the Fan Funds Auction and exchange your cash for quality merchandise and unique items on Saturday at 16:00 in CCD Wicklow Hall 2B!

Combat Demonstrations

Dublin 2019 is pleased to present two combat demos — fighters who enjoy noisy sword play in armour — but always with safety in mind. The groups performing these demonstrations are the SCA (Society for Creative Anachronism) and MACI (Medieval Armoured Combat Ireland — armouredcombat.ie). These demonstrations will be Saturday morning and late Sunday afternoon in the CCD Level 4 Central Foyer; check listings for exact times and details.

Stroll with the Stars

Stroll with the Stars is a gentle walk each morning from Thursday–Monday beginning at 9:00 and returning before 10:00. A number of authors, artists, and editors will be participating during each walk (see the daily programme schedule for details). Meet in the Ground Floor Foyer of the CCD. No sign-up is required — just arrive by 9:00.

Exhibits Halls

The Exhibits Halls are in The Forum on the Convention Centre Dublin (CCD) Ground Level and the Point Square Warehouse. Additional exhibits and displays are located in the CCD Level 3 and Level 4 Foyers.

Art Show

The Art Show, located in the Point Square Warehouse along with a variety of collaborative art projects, is a traditional element of Worldcon and an important part of Dublin 2019. Works by the convention's Featured Artists will appear in the Art Show, in addition to a gallery of original drawings, paintings, sculptures, and jewellery from international and Irish artists. Many of the works in the gallery will be for sale by silent auction and through 'buy it now' instant sales. Alongside the gallery will be a Print Shop offering print reproductions, cards, and other smaller items for sale. Artists will also be participating in art-related events and programming across the convention.

Dealers Area/Creators Alley

Artificers of crafts, costumes, games, jewellery, and other handmade goods are selling, demonstrating, and displaying their work in a changing array throughout the weekend in the Creators Alley located in the CCD Ground Level Forum.

Also in the CCD Ground Level Forum, the Dealers Area is filled with all kinds of merchandise ranging from books both new and used, comics, handcrafted jewellery, clothing and accessories, crafts, toys, collectables, and games. The Dealers Area and Creators Alley together are your trove of irresistible treats, souvenirs, and gifts. Once you see what's there, you'll keep dropping in for more!

Displays

Split between the two Exhibit Halls, Displays include exhibits and presentations celebrating the work of our Guests of Honour, the Hugo Awards, and fannish works from across the world. In addition, there are distinctively Irish elements drawn from the rich background of Irish myth, literature and art, with science and science fiction from, in, and about Ireland past and present. We hope to inform and entertain you, show you things you've never seen, and, just occasionally, make you go "Wow!".

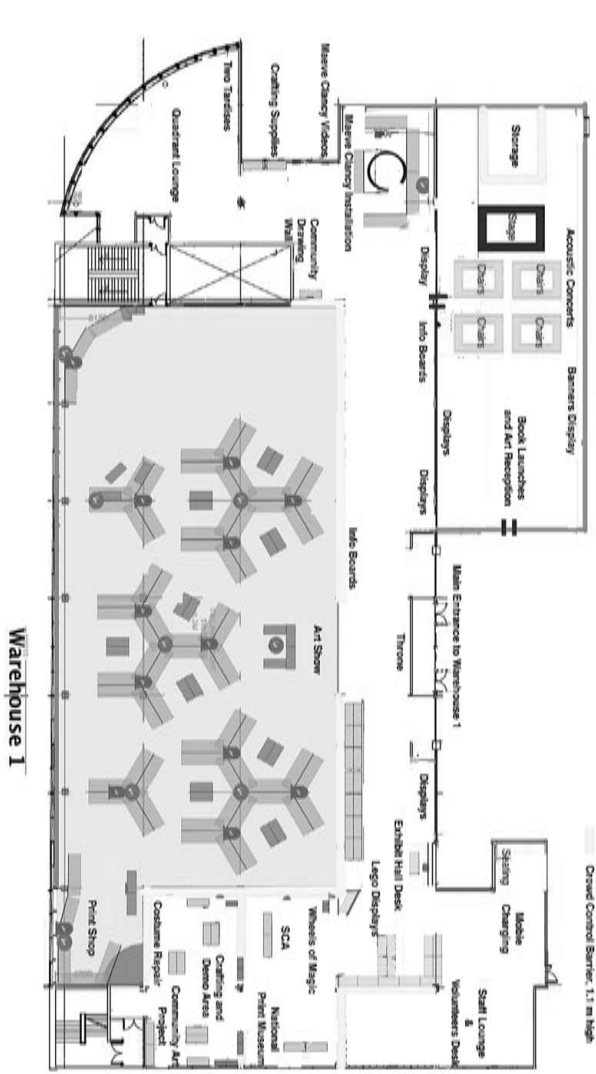
Presentations of academic posters from across the full range of academic disciplines will be in the CCD: Level 4 Foyer. Students and post-doctoral researchers have entered their submissions into a competition in two tracks, one for STEM subjects and one for the Arts, Social Sciences and Humanities. Both tracks have a €100 prize for the poster that best communicates its subject to the general public.

Fan Tables

Our last (but not least!) element in the CCD Forum are fan tables where you can find out more about future conventions and bids, and about other fan-related activities and organisations that might interest you. You can ask questions of the organisers, sign up as a member or supporter, and pick up ribbons or stickers to wear on your convention badge.

Site Selection

The site for the 79th World Science Fiction Convention (Worldcon) in 2021 will be determined by a vote of the members of this year's Worldcon. Your €40 Advance Supporting Membership (Voting) Fee automatically converts to a Supporting Membership for the winning 2021 Worldcon bid. Voting will close at 18:00 on Saturday. The winner of the 2021 Worldcon Site Selection will be announced at Sunday's WSFS Business Meeting.



EPIC The Irish Emmigration Museum

Don't just visit Ireland. Understand it. Visit EPIC The Irish Emigration Museum for a high-tech interactive journey that will impress, inspire and help you learn about the impact of a small island on the world. EPIC is located in the CHQ Building 10 minutes walk from the CCD, beside the George's Dock LUAS station.

Dublin 2019 members will receive a 25% discount on presentation of your badge, or you can book online with the code EPICWORLD-CON. For further information see epicchq.com.

The Fringe Division is primarily managing off-site activities in collaboration with cultural venues in Dublin to create complementary events during Dublin 2019.

Parkrun Dublin!

What is parkrun? The short answer is it's a 5k run in the park! The longer answer is that it's a free, timed run — not a race! — and, in fact, you don't even have to run! — that takes place every Saturday morning, in over 20 countries around the world. We will meet at 8:30 outside the CCD, which gives us time to take a taxi, public transport — or, walk or run! — to Fairview Park, well in time for the run briefing and the start of the run at 9:30.

Fairview Park's parkrun is a three-lap course on grass and tarmac that brings runners within shouting distance of Bram Stoker's former residence in Marino Crescent. After the parkrun, some of us may grab a coffee with other parkrunners in a local café; otherwise, feel free to return to the convention (about a 30 minute walk or 10 minutes by bus).

Irish Film Institute (IFI) Screening of *Forbibben Planet*

George R. R. Martin will visit the IFI for a very special screening of Fred M. Wilcox's seminal 1956 sci-fi classic *Forbidden Planet*. After the screening Maura McHugh will be in conversation with George R. R. Martin about his love for the film and its impact on him and his writing. Unsurprisingly, tickets for this event sold out in under an hour.

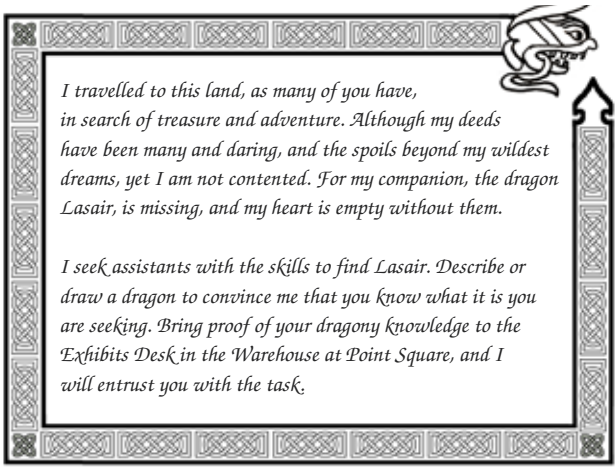
Oppy or Armstrong?

Dublin 2019 in association with Science Gallery Dublin, is hosting a special pre-convention discussion about the future of space exploration with a panel of expert guests at 19:00 on Wednesday at the Paccar Theatre in Science Gallery Dublin.

Dr Noelle Ameijenda (astrophysicist, currently modelling the electrical power system), Aliette de Bodard (award-winning author of *The Tea Master and the Detective*), Dr Inge Heyer (Senior Lecturer in Physics & author of Investigating Astronomy), Geoffrey A. Landis (scientist & author of *Mars Crossing*), and Dr Jeanette Epps (scientist & NASA astronaut) will debate the topic of 'Oppy or Armstrong? Autonomous vs human space exploration'. Tickets to this event have sold out. We will livestream this discussion and post a recording to the Dublin 2019 YouTube channel.

Treasure Hunt

If you should find yourself at loose ends, join in our treasure hunt. You'll need to visit many interesting corners of the convention, and will win a small prize if you finish! Here's the first clue:



Read on for information about our exciting programme and for logistical information for programme participants.

About Our Programme

For Programme Attendees

Our programme includes many different types of presentations, from items from single-participant presentations to multi-people panel discussions to interactive chats with participants and among attendees with similar interests! The daily programme starts at 10:00 in the CCD and 10:30 at Point Square.

Fan Chats

Fan chats (sometimes known as Birds of a Feather, Special Interest Groups, or Meetups) are small discussion groups of interest to a number of people. These might be organized guided discussions or free-form chats. Tables and chairs will be set aside for each discussion.

Academic Programme

The Academic Track, running in the Point Square Odeon 6 room each day, has a strong and distinctive thread of papers on Irish topics. While most papers look at literary approaches, there are also papers and more interactive workshops on science and ethics topics from Irish and international scholars. We are delighted to be able to include papers on topics outside the "Anglosphere"as well as presentations offering perspectives on themes like decolonization, gender, and ethics.

Kaffeeklatsches and Literary Beers

You can be part of a small, informal discussion group with a "host" - an author, artist, astronaut, musician and other interesting person - by signing up for one of our Kaffeeklatsches or Literary Beers being held in the CCD Level 3 Central Foyer and Martin Hoare's Bar known as Martin's (CCD: Level 1 Liffey A).

Sign up for Kaffeeklatsches and Literary Beers at the Information Desk in the CCD Ground Floor Foyer. Signup sheets will be available at least a day in advance beginning at the following times:

10:00 on Wednesday, Thursday, Friday, Saturday and Sunday for the next day's sessions that start between 10:00 and 13:00.

14:00 on Wednesday, Thursday, Friday, Saturday and Sunday for the next day's sessions that start between 14:00 and 21:00

Individual sessions are strictly limited, and because some hosts are very popular, you must sign up in advance. Each person in line may sign up for only one Kaffeeklatsch or Literary Beer for any given hour. We will have three (3) reserve places for each item in case someone does not show up or cancels.

Check in at the Kaffeeklatsches and Literary Beers Desk in the CCD Level 3 Foyer before the item so we know you are present. Attendees who have not arrived by the start of the session (even if they are only one minute late) will have their spot assigned to a reserve. In order to be fair to those on the reserve lists, private substitutions are not allowed. The person on the list must be the person who attends, and you cannot trade spaces. You may join a session as it starts if there are free slots available and no reserve people are waiting.

Kaffeeklatsches will have tea and coffee readily available for purchase. Literary Beers will take place in the late afternoon and evening. There is a bar in the foyer where you can buy a beer or other drinks during the session.

These sessions are 50 minutes long. Please help the next session start on time by not delaying the hosts at the end of your session. Kaffeeklatsch and Literary Beer sessions are listed in the Convention Book and in the Grenadine mobile app. Any changes will be announced in the newsletter and updated in the mobile app.

Children's Programme

Our Children's Programme is jam packed full of fun and stimulating events for children aged 6 to 12. Some items are suitable for children aged 3+ while other items are for older kids and teenagers, who are also welcome to attend Children's Programme in the Spencer Hotel Columba Suites 1 and 2. Children under 6 years of age must be accompanied by an adult at all times.

Parents/guardians will be able to drop and collect children aged 6 and over from children's programme. They will have to sign the children in and out and provide a number at which they can be contacted at all times. Parents/guardians and children must sign and agree to our contract of cooperation, detailing behaviour requirements of everyone during Children's Programme and collection times for parents/ guardians. These collection times must be strictly adhered to. Failure to abide by the contract of cooperation might lead to the children being excluded from the Children's Programme area.

Teens over 13 years will be permitted to attend children's programme events; however, they must sign and abide by our contract of co-operation and be aware that priority for materials and spaces will be given to attendees aged 6-12 years. Children under 6 years of age are welcome in Children's Programme but must be accompanied by an adult and might not be interested in or able to participate in some of the events. There will be a seating area for parents/guardians and children/toddlers who merely want to get away from the hustle and bustle of the main convention site.

Children's Programme runs from 13:00 – 16:30 on Thursday and 9:30 – 16:30 Friday – Monday with a break for lunch from 12:30 – 14:00. Family events designed for families to enjoy together will run Thursday – Sunday from 17:00 – 18:30. For these events, so children must be accompanied by an adult, with a ratio of one adult to a maximum of three children. Adults will not be permitted to attend family events without children.

Children's Programme is located in the lower ground floor of the Spencer Hotel, a five-minute walk from the CCD. For the children's safety, this area is secure and not open to other guests at the hotel. Children will be accompanied by garda (police) vetted staff and volunteers at all times. Children must have registered and received their Worldcon badges at convention Registration before they can be signed into Children's Programme.

While some programme items have an element of competition, children can attend any event just for fun without having to compete. Similarly, all children taking part in the Mini Masquerade will receive a medal and certificate. Our environmentally friendly policies mean that a lot of the materials used during building and crafting events will be made from recycled paper, cardboard, and plastics.

Autographing

Autographing will be located in the CCD Level 4 Central Foyer and Point Square Mezzanine Level. Signings for more well-known personalities will be in Point Square. Artists, comic book creators, and graphic novelists will also sign at Point Square.

Guidelines to help autographing at Dublin 2019 run smoothly:

- You are limited to asking an author to sign no more than three books per pass through the line. In certain cases, the Autographing staff might have to lower the number of books per pass. In particular, George RR Martin will sign only one item.
- Once you have had three items signed, you will be able to go to the end of the line for a second turn if the author has the time to handle repeat requests from the same person.
- Authors have a maximum of 50 minutes for their signings and must leave promptly at the end of their session to make way for the next set of authors.
- Post-It notes will be supplied to spell out your name and for any desired dedication to avoid misspellings, and misheard dedications.

Please be courteous if there is a queue — give other fans a chance to get their items autographed.

In order to avoid having people wait in line when the line reaches too many people for the author to sign for everyone in time, the staff might need to close the line before the session is over.

See the hours listings for the opening times of autographing in both the CCD and the Point Village. Specific autographing sessions are listed in the main schedule section of this publication, and also on the Grenadine mobile app.

For Programme Participants

Programme Participant Check-in Desk

Programme participants should pick up their programme packets here. Please pick up your membership badge at Registration first.

Programme Participant Green Rooms

For your convenience, we are operating two Green Rooms for programme participants: one in the CCD Level 5 Foyer and the other on the Point Square Odeon Cinema level.

We encourage you to come meet your fellow panelists and pick up your beverage of choice before your scheduled event. Hours are listed in the opening hours section.

Programme Operations Office

Programme participants with requests to make or issues to resolve can go to Programme Operations in the CCD Level 1 Liffey Room 4. This is also the place to report problems that might occur during an item. (Bad sound? Inoperative projector? Missing panelist?) Hours are listed in the opening hours section.

TAKE HOME A PIECE OF FAN HISTORY

LIMITED STOCK AVAILABLE

Northern Irish fan Walt Willis was a great influence on fandom, particularly from the 1950s onward, bringing his own brand of humorous writing to Ireland, the UK, and the US. His influence went beyond writing, though: it is because of efforts to bring him to the 1952 Worldcon in Chicago that we have traditions like the Trans-Atlantic Fan Fund, Going Up and Over Fan Fund, and Down Under Fan Fund (and other fan funds). He even co-wrote the basis of one of our theatrical performances alongside Bob Shaw, A Pilgrim's Progress The Enchanted Duplicator!

Of course, he was best known for his fan writing. He won a Hugo for it in 1958 (as Best Actifan), and was nominated several more times. He was responsible for the fanzines Slant (with James White) and Hyphen (with Chuck Harris), and contributed to many more, including his series "The Harp that Once or Twice" for Quandry.

THE WRITER, THE WIT, THE WARHOON

His work was celebrated by his peers and other fans, from special editions of fanzines and collections of his writings through being a Worldcon honoree in 1992 as MagiCon's Fan Guest of Honour. However, Richard Bergeron pulled out all the stops in 1978. The Willis-dedicated issue of his fanzine Warhoon (Warhoon 28) is a work of art in its own right. Hardbound and gold-embossed, it's a massive anthology of Willis's writings and art, reflecting the history of the man and his fan writing.

This is your chance to take home a real piece of fan memorabilia. We have the remaining stock of Warhoon 28 available here at Dublin, and are delighted that we can share our joy at what an influence a Northern Irish writer had on the science fiction world. Come buy your copy today!

Gaming Hall

Gaming will take place in the CCD Level 2 Wicklow Hall 2, opening at 10:00 each day. The Gaming Hall caters for both diehard tabletop gamers and those of you who would like to try something new. No experience is necessary: all you need is an open mind and a willingness to have fun!

Board Games

The Gaming Hall features a large selection of board games for attendees to borrow, and our volunteers are happy to help teach those games. If you have never played modern board games before, ask one of the gaming staff members in the hall who will teach you a game and get you playing as quickly as possible. Existing tabletop gamers are encouraged to bring along their own games to the convention and to find players to join them!

Each day, the Gaming Guest of Honour, Steve Jackson (of Steve Jackson Games, creator of GURPS, Munchkin and so much more!) will be visiting the Gaming Hall to play games with the attendees. If you'd like a chance to play with Steve Jackson, come to the Gaming Hall for one or more of the "Gaming with Steve Jackson" sessions (one each day) listed in this publication and also on the Grenadine mobile app.

Gaming Workshops and Talks

In addition to a multitude of gaming-related panels, the Gaming Programme will feature the following introductory workshops and talks:

- Introduction to Dungeons & Dragons (Thursday 13:00 and Saturday 11:00 in CCD Level 2 Wicklow Meeting Room 3)
- How to Introduce Kids to Roleplaying (Saturday 14:00 in CCD Level 2 Wicklow Meeting Room 3)
- Making the transition from Player to Gamesmaster (Friday 10:00 in CCD Level 2 Wicklow Meeting Room 1)

Consult this guide and the Grenadine mobile app for more details.

Role Playing Games

The Gaming Hall will offer a range of tabletop role-playing experiences from Dungeons & Dragons 5th Edition to Call of Cthulhu, Vampire, Cyberpunk, the Laundry Files, and many more that you might not have heard of but all of which are sure to entertain.

If you've made a character for Dungeons & Dragons at the workshop, you'll be able to play in games with them over the convention. Don't worry if you don't have a character ready or dice to hand, all our games will have pre-generated characters and everything else needed so you can just turn up and play!

Gaming slots are available at the following times in the Gaming Hall:

- Thursday: 14:00 – 17:00 and 19:00 – 22:00
- Friday, Saturday and Sunday: 11:00 – 14:00, 15:00 – 18:00, and 20:00 – 23:00
- Monday: 11:00 – 14:00

Each slot will have a choice of games from our volunteer Game Masters, with places available on a first-come, first-served basis.

Gaming Hall and Children

Children under 15 years old must be accompanied by a parent/guardian at all times. While a child is playing a game, their parent/guardian must remain in the Gaming Hall. Additionally, some RPGs might have an age limit, which will be strictly enforced.

Academic Programme

11:30 **Worlds** Thursday
2090 50 minutes Point Square: Odeon 6 (Academic)

12:30 **Pasts and futures** Thursday
2162 50 minutes Point Square: Odeon 6 (Academic)

13:30 **Ships and colonies** Thursday
2222 50 minutes Point Square: Odeon 6 (Academic)

14:30 **Utopias** Thursday
2312 50 minutes Point Square: Odeon 6 (Academic)

15:30 **Decolonising** Thursday
2405 50 minutes Point Square: Odeon 6 (Academic)

10:30 **Myth and horrors** Friday
3123 50 minutes Point Square: Odeon 6 (Academic)

11:30 **Countries** Friday
3228 50 minutes Point Square: Odeon 6 (Academic)

12:30 **Early Ireland** Friday
3318 50 minutes Point Square: Odeon 6 (Academic)

13:30 **Ethics and exploration** Friday
3414 50 minutes Point Square: Odeon 6 (Academic)

14:30 **Unfamiliar philosophies** Friday
3522 50 minutes Point Square: Odeon 6 (Academic)

15:30 **Futures** Friday
3618 50 minutes Point Square: Odeon 6 (Academic)

10:30 **YA** Saturday
4126 50 minutes Point Square: Odeon 6 (Academic)

11:30 **Crusaders and Fairy Kings** Saturday
4228 50 minutes Point Square: Odeon 6 (Academic)

12:30 **Mythmaking workshop** Saturday
4327 50 minutes Point Square: Odeon 6 (Academic)

13:30 **Writing** Saturday
4414 50 minutes Point Square: Odeon 6 (Academic)

14:30 **Futures and politics** Saturday
4519 50 minutes Point Square: Odeon 6 (Academic)

15:30 **Biosciences** Saturday
4627 50 minutes Point Square: Odeon 6 (Academic)

10:30 **AI** Sunday
5117 50 minutes Point Square: Odeon 6 (Academic)

11:30 **Different visions of Ireland** Sunday
5216 50 minutes Point Square: Odeon 6 (Academic)

12:30 **Exploring Westeros and the Galaxy** Sunday
5324 50 minutes Point Square: Odeon 6 (Academic)

14:30 **Le Guin and Cadigan** Sunday
5534 50 minutes Point Square: Odeon 6 (Academic)

15:30 **Fandom** Sunday
5633 50 minutes Point Square: Odeon 6 (Academic)

11:30 **Celtic twilight** Monday
6195 50 minutes Point Square: Odeon 6 (Academic)

12:30 **Sci-maths** Monday
6288 50 minutes Point Square: Odeon 6 (Academic)

13:30 **Dystopias** Monday
6372 50 minutes Point Square: Odeon 6 (Academic)

14:30 **Academic track: review and close** Monday
6441 50 minutes Point Square: Odeon 6 (Academic)

Podcasts

13:00 **Escape Artists podcast: live recording** Friday
3333 50 minutes CCD: Wicklow Hall 2B

11:00 **Be the *Serpent* podcast: live recording** Saturday
4138 50 minutes CCD: Wicklow Hall 2B

14:00 ***Ditch Diggers* podcast: live recording** Sunday
5444 50 minutes CCD: Wicklow Hall 2B

11:00 ***Breaking the Glass Slipper* podcast: live recording** Monday
6111 50 minutes CCD: Wicklow Hall 2B

Autographing

14:00 **Autographs: Thursday at 14:00** Thursday
2237 50 minutes CCD: Level 4 Foyer

15:00 **Autographs: Thursday at 15:00** Thursday
2327 50 minutes CCD: Level 4 Foyer

16:00 **Autographs: George R. R. Martin – session #1** Thursday
2468 80 minutes Point Square: Mezzanine - Signing space

16:00 **Autographs: Thursday at 16:00** Thursday
2423 50 minutes CCD: Level 4 Foyer

17:00 **Autographs: Thursday at 17:00** Thursday
2504 50 minutes CCD: Level 4 Foyer

10:00 **Autographs: GoH Ginjer Buchanan** Friday
3036 50 minutes CCD: Level 4 Foyer

10:00 **Autographs: Friday at 10:00** Friday
3039 50 minutes CCD: Level 4 Foyer

10:30 **Autographs: Catherynne Valente** Friday
3102 50 minutes Point Square: Mezzanine - Signing space

11:00 **Autographs: Friday at 11:00** Friday
3138 50 minutes CCD: Level 4 Foyer

11:30 **Autographs: Gail Carriger** Friday
3210 50 minutes Point Square: Mezzanine - Signing space

12:00 **Autographs: Friday at 12:00** Friday
3246 50 minutes CCD: Level 4 Foyer

12:30 **Autographs: John Scalzi** Friday
3297 50 minutes Point Square: Mezzanine - Signing space

13:00 **Autographs: Friday at 13:00** Friday
3339 50 minutes CCD: Level 4 Foyer

13:30 **Autographs: Sana Takeda** Friday
3396 50 minutes Point Square: Mezzanine - Signing space

14:00 **Autographs: Friday at 14:00** Friday
3432 50 minutes CCD: Level 4 Foyer

14:30 **Autographs: Pat Rothfuss** Friday
3501 50 minutes Point Square: Mezzanine - Signing space

15:00 **Autographs: Friday at 15:00** Friday
3543 50 minutes CCD: Level 4 Foyer

15:30 **Autographs: Charles Stross** Friday
3600 50 minutes Point Square: Mezzanine - Signing space

16:00 **Autographs: Friday at 16:00** Friday
3639 50 minutes CCD: Level 4 Foyer

16:30 **Autographs: Peter Beagle** Friday
3702 50 minutes Point Square: Mezzanine - Signing space

17:00 **Autographs: Friday at 17:00** Friday
3732 50 minutes CCD: Level 4 Foyer

10:30 **Autographs: Sana Takeda** Saturday
4105 50 minutes Point Square: Mezzanine - Signing space

11:00 **Autographs: Saturday at 11:00** Saturday
4144 50 minutes CCD: Level 4 Foyer

11:30 **Autographs: Mur Lafferty** Saturday
4210 50 minutes Point Square: Mezzanine - Signing space

12:00 **Autographs: Saturday at 12:00** Saturday
4246 50 minutes CCD: Level 4 Foyer

12:30 **Autographs: Joe Haldeman** Saturday
4306 50 minutes Point Square: Mezzanine - Signing space

13:00 **Autographs: Saturday at 13:00** Saturday
4348 50 minutes CCD: Level 4 Foyer

14:00 **Autographs: George R. R. Martin – session #2** Saturday
4492 80 minutes Point Square: Mezzanine - Signing space

14:00 **Autographs: Saturday at 14:00** Saturday
4435 50 minutes CCD: Level 4 Foyer

15:00 **Autographs: Afua Richardson** Saturday
4540 50 minutes CCD: Level 4 Foyer

15:00 **Autographs: Saturday at 15:00** **Saturday**
4543 50 minutes CCD: Level 4 Foyer

Autographing

15:30 **Autographs: Charles Vess** Saturday
4606 50 minutes Point Square: Mezzanine - Signing space

16:00 **Autographs: GoHs Diane Duane and Ian McDonald** Saturday
4648 50 minutes CCD: Level 4 Foyer

16:30 **Autographs: Jim Fitzpatrick** Saturday
4714 50 minutes Point Square: Mezzanine - Signing space

17:00 **Autographs: Saturday at 17:00** Saturday
4744 50 minutes CCD: Level 4 Foyer

10:00 **Autographs: Sunday at 10:00** Sunday
5036 50 minutes CCD: Level 4 Foyer

10:30 **Autographs: Robert Silverberg** Sunday
5099 50 minutes Point Square: Mezzanine - Signing space

11:00 **Autographs: Sunday at 11:00** Sunday
5132 50 minutes CCD: Level 4 Foyer

12:00 **Autographs: Sunday at 12:00** Sunday
5234 50 minutes CCD: Level 4 Foyer

12:30 **Autographs: Joe Hill** Sunday
5303 50 minutes Point Square: Mezzanine - Signing space

13:00 **Autographs: Sunday at 13:00** Sunday
5342 50 minutes CCD: Level 4 Foyer

14:00 **Autographs: Will Simpson** Sunday
5450 50 minutes CCD: Level 4 Foyer

14:00 **Autographs: Sunday at 14:00** Sunday
5453 50 minutes CCD: Level 4 Foyer

14:30 **Autographs: Jeanette Epps** Sunday
5516 80 minutes Point Square: Mezzanine - Signing space

15:00 **Autographs: Sunday at 15:00** Sunday
5552 50 minutes CCD: Level 4 Foyer

10:00 **Autographs: Monday at 10:00** Monday
6036 50 minutes CCD: Level 4 Foyer

11:00 **Autographs: Eoin Colfer** Monday
6117 50 minutes CCD: Level 4 Foyer

11:00 **Autographs: Monday at 11:00** Monday
6120 50 minutes CCD: Level 4 Foyer

12:00 **Autographs: Monday at 12:00** Monday
6216 50 minutes CCD: Level 4 Foyer

13:00 **Autographs: Monday at 13:00** Monday
6309 50 minutes CCD: Level 4 Foyer

14:00 **Autographs: Monday at 14:00** Monday
6384 50 minutes CCD: Level 4 Foyer

Book Launches

10:30 **Billy O'Shea book launch: *Kingdom of Clockwork* (Chinese translation)** Thursday
2033 60 minutes Point Square: Warehouse 2 - Performance space

12:00 **B Cubed Press book launch** Thursday
2135 60 minutes Point Square: Warehouse 2 - Performance space

10:00 **Gravity's Arrow book launch – Jack Mann** Friday
3087 60 minutes Point Square: Warehouse 2 - Performance space

10:00 **Yatakhayaloon book launch** Friday
3090 60 minutes Point Square: Warehouse 2 - Performance space

11:30 **Trunk Line book 2: *Fetch!* book launch – Dave O'Neill** Friday
3204 60 minutes Point Square: Warehouse 2 - Performance space

11:30 **Guardbridge Books book launch: *Off the Beaten Path*** Friday
3207 60 minutes Point Square: Warehouse 2 - Performance space

12:30 **Francesco Verso book launch: Future Fiction** Saturday
4300 60 minutes Point Square: Warehouse 2 - Performance space

12:30 ***Science Fiction and Catholicism: The Rise and Fall of the Robot Papacy* by Jim Clarke – book launch** Saturday
4303 60 minutes Point Square: Warehouse 2 - Performance space

17:30 **NewCon Press book launch** Saturday
4807 60 minutes Point Square: Warehouse 2 - Performance space

Children's Programme

13:00 **What's good about being bad** Thursday
2198 50 minutes Spencer Hotel: Columba 2

14:00 **Spaceship building competition: recyclables** Thursday
2285 50 minutes Spencer Hotel: Columba 1

15:00 **Set design: build a giant spaceship** Thursday
2378 50 minutes Spencer Hotel: Columba 1

15:00 **Improv theatre games** Thursday
2381 50 minutes Spencer Hotel: Columba 2

17:00 **Family céilí** Thursday
2540 50 minutes Spencer Hotel: Columba 1

09:30 **Doctor Who LEGO** Friday
3024 50 minutes Spencer Hotel: Columba 1

10:00 **Storytelling workshop with Diane Duane** Friday
3096 50 minutes Spencer Hotel: Columba 2

11:00 **Build your own fortress of solitude or rebel base** Friday
3192 50 minutes Spencer Hotel: Columba 1

11:30 **The mathematics of networks** Friday
3234 50 minutes Spencer Hotel: Columba 2

14:00 **Drawing dragons and sea creatures** Friday
3489 50 minutes Spencer Hotel: Columba 1

14:30 **Saving our planet: the view from an eco village** Friday
3531 50 minutes Spencer Hotel: Columba 2

15:30 **Astronomy presentation** Friday
3627 50 minutes Spencer Hotel: Columba 2

17:00 **Family scavenger hunt** Friday
3789 120 minutes Spencer Hotel: Columba 1

09:30 **Spaceship building competition: LEGO** Saturday
4027 50 minutes Spencer Hotel: Columba 1

10:30 **Shooting for the stars** Saturday
4132 50 minutes Spencer Hotel: Columba 1

11:30 **Stellar Enterprises** Saturday
4234 50 minutes Spencer Hotel: Columba 2

14:00 **Create a giant mural** Saturday
4498 50 minutes Spencer Hotel: Columba 2

14:00 **Autographs and photo session: Jeanette Epps** Saturday
4495 50 minutes Spencer Hotel: Columba 1

15:00 **What do aliens look like?** Saturday
4597 50 minutes Spencer Hotel: Columba 1

15:30 **Design your own comic** Saturday
4636 50 minutes Spencer Hotel: Columba 2

17:00 **Family disco** Saturday
4801 90 minutes Spencer Hotel: Columba 1

09:30 **Build a lightsaber** Sunday
5024 30 minutes Spencer Hotel: Columba 1

10:00 **Earth from the Moon: a first glance into relativity** Sunday
5090 50 minutes Spencer Hotel: Columba 2

11:00 **Roleplaying game for kids** Sunday
5183 120 minutes Spencer Hotel: Columba 1

11:00 **Make your Mini Masquerade costume** Sunday
5186 300 minutes Spencer Hotel: Columba 1

11:00 **Make your Mini Masquerade costume: hair braiding** Sunday
5189 50 minutes Spencer Hotel: Columba 1

11:00 **Make your Mini Masquerade costume: hat design** Sunday
5192 50 minutes Spencer Hotel: Columba 1

11:30 **Supercharge your writing** Sunday
5222 50 minutes Spencer Hotel: Columba 2

14:00 **Science experiments** Sunday
5507 50 minutes Spencer Hotel: Columba 2

15:30 **Children's singalong / filking session** Sunday
5639 30 minutes Spencer Hotel: Columba 2

17:00 **Mini Masquerade** Sunday
5774 80 minutes CCD: Liffey Room-2

Children's Programme

09:30 **'Greetings, Heroes': a live roleplaying game for children** Monday
6021 120 minutes Spencer Hotel: Columba 1

09:30 **Make what you missed** Monday
6024 50 minutes Spencer Hotel: Columba 1

10:00 **Irish folklore** Monday
6078 50 minutes Spencer Hotel: Columba 2

11:00 ***Hungry Hippos*: live action** Monday
6165 50 minutes Spencer Hotel: Columba 1

11:30 **What do engineers do?** Monday
6201 50 minutes Spencer Hotel: Columba 2

15:00 **Family Nerf battle** Monday
6477 50 minutes Spencer Hotel: Columba 1

Classes

16:30 **Medical effects of biological weapons** Friday
3714 50 minutes Point Square: Odeon 4

15:30 **Medical effects of radiological and nuclear weapons** Monday
6489 50 minutes Point Square: Odeon 2

Fan Chats

12:30 **Sharing the Squee! *That time I got reincarnated as a slime*** Thursday
2138 50 minutes CCD: Wicklow Room-5

17:00 **Manga book swap** Thursday
2537 50 minutes CCD: Liffey Room-2

12:00 **Conlangers' meetup** Friday
3276 50 minutes CCD: Wicklow Room-5

14:30 ***Sword & Laser* book club** Friday
3507 50 minutes Point Square: Alhambra

15:00 **Dublin 2019 fountain pen meetup** Friday
3579 50 minutes CCD: Wicklow Room-5

12:00 **Bollywood Fantasy** Monday
6240 50 minutes CCD: Wicklow Room-3

13:00 **Sharing the Squee! *The Promised Neverland*** Monday
6327 50 minutes CCD: Wicklow Room-3

15:00 **Sharing the squee: *The Ancient Magus' Bride*** Monday
6465 50 minutes CCD: Wicklow Room-3

Interviews

15:30 **My friend, Phil** Thursday
2402 50 minutes Point Square: Odeon 2

14:00 **An interview with Parris McBride and George R. R. Martin** Friday
3486 50 minutes CCD: Liffey-B (Second Stage)

15:00 **GoH interview: Steve Jackson** Friday
3594 50 minutes CCD: Liffey-B (Second Stage)

13:00 **GoH interview: Ginjer Buchanan** Saturday
4339 50 minutes CCD: Liffey Hall-2

15:00 **GoH talk: a fireside chat with Diane Duane** Saturday
4531 50 minutes CCD: Liffey Hall-2

11:30 **Interview with Charles Vess** Sunday
5213 50 minutes Point Square: Odeon 2

13:00 **The dark side of the Moon: an interview with Ian McDonald** Sunday
5333 50 minutes CCD: Liffey Hall-2

13:00 **Chairs interview Chairs** Sunday
5381 50 minutes CCD: Liffey Room-1

15:00 **Trans-Atlantic fans for life: GoH interview with Bill and Mary Burns** Sunday
5570 50 minutes CCD: ECOCEM Room

19:00 **Is there any other life in the solar system?** Sunday
5843 50 minutes CCD: Wicklow Hall-1

Games

15:00 **Gaming with Steve Jackson – Thursday** Thursday
2369 120 minutes CCD: Liffey Hall 1 (Gaming)

13:00 **Dungeons & Disorderly S1: the Flume of Horrors** Friday
3378 50 minutes CCD: Liffey Room-3

17:00 **Gaming with Steve Jackson – Friday** Friday
3780 120 minutes CCD: Liffey Hall 1 (Gaming)

23:00 **Werewolf!** Friday
3948 110 minutes CCD: Liffey Room-3

15:00 **Gaming with Steve Jackson – Saturday** Saturday
4588 120 minutes CCD: Liffey Hall 1 (Gaming)

23:00 **Werewolf!** Saturday
4990 110 minutes CCD: Liffey Room-3

15:00 **Gaming with Steve Jackson – Sunday** Sunday
5597 120 minutes CCD: Liffey Hall 1 (Gaming)

23:00 **Werewolf!** Sunday
5900 110 minutes CCD: Liffey Room-3

13:00 **Gaming with Steve Jackson – Monday** Monday
6339 120 minutes CCD: Liffey Hall 1 (Gaming)

Group Readings

18:00 **Speculative open mic** Thursday
2573 50 minutes CCD: Liffey Room-2

17:00 **Broad Universe 'Rapid Fire Reading'** Friday
3777 50 minutes CCD: Liffey Room-3

16:00 **Group reading: speculative performance poetry** Saturday
4690 50 minutes CCD: Liffey Room-3

16:30 **Group reading: fiction for kids and young adults** Sunday
5699 50 minutes Point Square: Alhambra

20:00 **Irish ghost stories** Sunday
5861 50 minutes CCD: Wicklow Hall 2B

Meetings

16:00 **Mark Protection Committee (MPC) Meeting** Thursday
2456 110 minutes CCD: Wicklow Room-4

10:00 **WSFS Business Meeting: Preliminary** Friday
3093 170 minutes Point Square: Stratocaster A

16:00 **Future Worldcon Q&As (or, the Fannish Inquisition)** Friday
3636 110 minutes CCD: Wicklow Hall-1

08:30 **parkrun Dublin** Saturday
4009 180 minutes Other: Fringe

10:00 **WSFS Business Meeting: Main Session** Saturday
4096 170 minutes Point Square: Stratocaster A

10:00 **WSFS Business Meeting: Site Selection** Sunday
5087 170 minutes Point Square: Stratocaster A

10:00 **WSFS Business Meeting** Monday
6075 170 minutes Point Square: Stratocaster A

Media Programme

21:00 **Screening with Q&A: *Judas Ghost*** Friday
3924 110 minutes CCD: Wicklow Hall-1

14:30 **'Time Traveller': short film with special Q&A** Saturday
4516 50 minutes Point Square: Odeon 2

20:00 ***Forbidden Planet* at the IFI – with GRRM** Saturday
4942 150 minutes Other: Fringe

10:30 ***Troll Bridge* screening** Sunday
5111 50 minutes Point Square: Odeon 3

18:00 ***Troll Bridge* screening** Sunday
5801 30 minutes CCD: Wicklow Hall-1

12:30 **MST3K** Monday
6291 110 minutes Point Square: Odeon 1

Kaffeeklatsches

14:00 **Kaffeeklatsch: GoH Prof Jocelyn Bell Burnell** Thursday
2240 50 minutes CCD: Level 3 Foyer

14:00 **Kaffeeklatsch: John Scalzi** Thursday
2243 50 minutes CCD: Level 3 Foyer

14:00 **Kaffeeklatsch: Alan Smale** Thursday
2246 50 minutes CCD: Level 3 Foyer

14:00 **Kaffeeklatsch: Bella Pagan** Thursday
2249 50 minutes CCD: Level 3 Foyer

14:00 **Kaffeeklatsch: Molly Ker Hawn** Thursday
2252 50 minutes CCD: Level 3 Foyer

14:00 **Kaffeeklatsch: Natasha Bardon** Thursday
2255 50 minutes CCD: Level 3 Foyer

15:00 **Kaffeeklatsch: A.J. Hackwith** Thursday
2330 50 minutes CCD: Level 3 Foyer

15:00 **Kaffeeklatsch: Annie Bellet** Thursday
2333 50 minutes CCD: Level 3 Foyer

15:00 **Kaffeeklatsch: Ms Cassie Parkes** Thursday
2336 50 minutes CCD: Level 3 Foyer

15:00 **Kaffeeklatsch: Bill Higgins** Thursday
2339 50 minutes CCD: Level 3 Foyer

15:00 **Kaffeeklatsch: Jeremy Szal** Thursday
2342 50 minutes CCD: Level 3 Foyer

15:00 **Kaffeeklatsch: Afua Richardson** Thursday
2345 50 minutes CCD: Level 3 Foyer

16:00 **Kaffeeklatsch: Martha Wells** Thursday
2426 50 minutes CCD: Level 3 Foyer

16:00 **Kaffeeklatsch: Rie Sheridan Rose** Thursday
2429 50 minutes CCD: Level 3 Foyer

16:00 **Kaffeeklatsch: Mr Declan Shalvey** Thursday
2432 50 minutes CCD: Level 3 Foyer

16:00 **Kaffeeklatsch: Geoff Ryman** Thursday
2435 50 minutes CCD: Level 3 Foyer

16:00 **Kaffeeklatsch: Ruth Frances Long** Thursday
2438 50 minutes CCD: Level 3 Foyer

16:00 **Kaffeeklatsch: Zen Cho** Thursday
2441 50 minutes CCD: Level 3 Foyer

17:00 **Kaffeeklatsch: Ada Palmer** Thursday
2510 50 minutes CCD: Level 3 Foyer

17:00 **Kaffeeklatsch: Michelle Sagara** Thursday
2513 50 minutes CCD: Level 3 Foyer

17:00 **Kaffeeklatsch: Dr Jack Fennell** Thursday
2516 50 minutes CCD: Level 3 Foyer

17:00 **Kaffeeklatsch: Shweta Taneja** Thursday
2519 50 minutes CCD: Level 3 Foyer

10:00 **Kaffeeklatsch: Brother Guy Consolmagno** Friday
3042 50 minutes CCD: Level 3 Foyer

10:00 **Kaffeeklatsch: Simon R Green** Friday
3045 50 minutes CCD: Level 3 Foyer

10:00 **Kaffeeklatsch: Kari Sperring** Friday
3048 50 minutes CCD: Level 3 Foyer

10:00 **Kaffeeklatsch: Sam Fleming** Friday
3051 50 minutes CCD: Level 3 Foyer

10:00 **Kaffeeklatsch: Stanley Qiufan Chen** Friday
3054 50 minutes CCD: Level 3 Foyer

11:00 **Kaffeeklatsch: Dr. Tom Easton** Friday
3141 50 minutes CCD: Level 3 Foyer

11:00 **Kaffeeklatsch: Joe Abercrombie** Friday
3144 50 minutes CCD: Level 3 Foyer

11:00 **Kaffeeklatsch: Jon Courtenay Grimwood** Friday
3147 50 minutes CCD: Level 3 Foyer

11:00 **Kaffeeklatsch: Julie Crisp** Friday
3150 50 minutes CCD: Level 3 Foyer

Kaffeeklatsches

11:00 **Kaffeeklatsch: Regina Kanyu Wang** Friday
3153 50 minutes CCD: Level 3 Foyer

11:00 **Kaffeeklatsch: Meg Davis** Friday
3156 50 minutes CCD: Level 3 Foyer

11:00 **Kaffeeklatsch: Michael Scott** Friday
3159 50 minutes CCD: Level 3 Foyer

12:00 **Kaffeeklatsch: James Patrick Kelly** Friday
3249 50 minutes CCD: Level 3 Foyer

12:00 **Kaffeeklatsch: Lisa Tuttle** Friday
3252 50 minutes CCD: Level 3 Foyer

12:00 **Kaffeeklatsch: Rob Carlos** Friday
3255 50 minutes CCD: Level 3 Foyer

12:00 **Kaffeeklatsch: Madeline Ashby** Friday
3258 50 minutes CCD: Level 3 Foyer

12:00 **Kaffeeklatsch: Robert S Malan** Friday
3261 50 minutes CCD: Level 3 Foyer

13:00 **Kaffeeklatsch: Seanan McGuire** Friday
3342 50 minutes CCD: Level 3 Foyer

13:00 **Kaffeeklatsch: Bridget Duffy-Thorn** Friday
3345 50 minutes CCD: Level 3 Foyer

13:00 **Kaffeeklatsch: Jim Fitzpatrick** Friday
3348 50 minutes CCD: Level 3 Foyer

13:00 **Kaffeeklatsch: Karl Schroeder** Friday
3351 50 minutes CCD: Level 3 Foyer

13:00 **Kaffeeklatsch: Paolo Bacigalupi** Friday
3354 50 minutes CCD: Level 3 Foyer

14:00 **Kaffeeklatsch: Jeanette Epps** Friday
3438 50 minutes CCD: Level 3 Foyer

14:00 **Kaffeeklatsch: Jeannette Ng** Friday
3441 50 minutes CCD: Level 3 Foyer

14:00 **Kaffeeklatsch: Rafeeat Aliyu** Friday
3444 50 minutes CCD: Level 3 Foyer

14:00 **Kaffeeklatsch: Eyal Kless** Friday
3447 50 minutes CCD: Level 3 Foyer

14:00 **Kaffeeklatsch: Jonathan Strahan** Friday
3450 50 minutes CCD: Level 3 Foyer

14:00 **Kaffeeklatsch: Peter Morwood** Friday
3453 50 minutes CCD: Level 3 Foyer

15:00 **Kaffeeklatsch: Greer Gilman** Friday
3546 50 minutes CCD: Level 3 Foyer

15:00 **Kaffeeklatsch: Liz Gorinsky** Friday
3549 50 minutes CCD: Level 3 Foyer

15:00 **Kaffeeklatsch: Mick Schubert** Friday
3552 50 minutes CCD: Level 3 Foyer

15:00 **Kaffeeklatsch: Michael Rowley** Friday
3555 50 minutes CCD: Level 3 Foyer

15:00 **Kaffeeklatsch: Mur Lafferty** Friday
3558 50 minutes CCD: Level 3 Foyer

15:00 **Kaffeeklatsch: Peadar Ó Guilín** Friday
3561 50 minutes CCD: Level 3 Foyer

16:00 **Kaffeeklatsch: Anne Charnock** Friday
3642 50 minutes CCD: Level 3 Foyer

16:00 **Kaffeeklatsch: Navah Wolfe** Friday
3645 50 minutes CCD: Level 3 Foyer

16:00 **Kaffeeklatsch: Gail Carriger** Friday
3648 50 minutes CCD: Level 3 Foyer

16:00 **Kaffeeklatsch: Mary Robinette Kowal** Friday
3651 50 minutes CCD: Level 3 Foyer

16:00 **Kaffeeklatsch: Kieron Gillen** Friday
3654 50 minutes CCD: Level 3 Foyer

16:00 **Kaffeeklatsch: Rachel Hartman** Friday
3657 50 minutes CCD: Level 3 Foyer

Kaffeeklatsches

16:00 **Kaffeeklatsch: Scott Edelman** Friday
3660 50 minutes CCD: Level 3 Foyer

17:00 **Kaffeeklatsch: Grace P. Fong** Friday
3735 50 minutes CCD: Level 3 Foyer

17:00 **Kaffeeklatsch: Holly Black** Friday
3738 50 minutes CCD: Level 3 Foyer

17:00 **Kaffeeklatsch: Lee Moyer** Friday
3741 50 minutes CCD: Level 3 Foyer

17:00 **Kaffeeklatsch: Kathleen Lawrence** Friday
3744 50 minutes CCD: Level 3 Foyer

17:00 **Kaffeeklatsch: Dr Kristina Perez** Friday
3747 50 minutes CCD: Level 3 Foyer

17:00 **Kaffeeklatsch: Paul Cornell** Friday
3750 50 minutes CCD: Level 3 Foyer

17:00 **Kaffeeklatsch: Stephen Cass** Friday
3753 50 minutes CCD: Level 3 Foyer

10:00 **Kaffeeklatsch: Gregory Norman Bossert** Saturday
4042 50 minutes CCD: Level 3 Foyer

10:00 **Kaffeeklatsch: Juliet Mushens** Saturday
4045 50 minutes CCD: Level 3 Foyer

10:00 **Kaffeeklatsch: Andy Dudak** Saturday
4048 50 minutes CCD: Level 3 Foyer

10:00 **Kaffeeklatsch: Anne Clarke** Saturday
4051 50 minutes CCD: Level 3 Foyer

10:00 **Kaffeeklatsch: Ian R MacLeod** Saturday
4054 50 minutes CCD: Level 3 Foyer

10:00 **Kaffeeklatsch: Rebecca Roanhorse** Saturday
4057 50 minutes CCD: Level 3 Foyer

11:00 **Kaffeeklatsch: Lex Beckett** Saturday
4147 50 minutes CCD: Level 3 Foyer

11:00 **Kaffeeklatsch: Marieke Nijkamp** Saturday
4150 50 minutes CCD: Level 3 Foyer

11:00 **Kaffeeklatsch: Phil Foglio** Saturday
4153 50 minutes CCD: Level 3 Foyer

11:00 **Kaffeeklatsch: Fran Wilde** Saturday
4156 50 minutes CCD: Level 3 Foyer

11:00 **Kaffeeklatsch: Mrs Emma Newman** Saturday
4159 50 minutes CCD: Level 3 Foyer

11:00 **Kaffeeklatsch: Yoon Ha Lee** Saturday
4162 50 minutes CCD: Level 3 Foyer

12:00 **Kaffeeklatsch: Carrie Vaughn** Saturday
4252 50 minutes CCD: Level 3 Foyer

12:00 **Kaffeeklatsch: Dr Wanda Kurtçu** Saturday
4255 50 minutes CCD: Level 3 Foyer

12:00 **Kaffeeklatsch: Naomi Kritzer** Saturday
4258 50 minutes CCD: Level 3 Foyer

12:00 **Kaffeeklatsch: Peter V. Brett** Saturday
4261 50 minutes CCD: Level 3 Foyer

12:00 **Kaffeeklatsch: Maquel A. Jacob** Saturday
4264 50 minutes CCD: Level 3 Foyer

13:00 **Kaffeeklatsch: GoH Steve Jackson** Saturday
4351 50 minutes CCD: Level 3 Foyer

13:00 **Kaffeeklatsch: Catherynne Valente** Saturday
4354 50 minutes CCD: Level 3 Foyer

13:00 **Kaffeeklatsch: K.M. Szpara** Saturday
4357 50 minutes CCD: Level 3 Foyer

13:00 **Kaffeeklatsch: Rebecca Gomez Farrell** Saturday
4360 50 minutes CCD: Level 3 Foyer

13:00 **Kaffeeklatsch: Dr. Norah Patten** Saturday
4363 50 minutes CCD: Level 3 Foyer

14:00 **Kaffeeklatsch: Patrick & Teresa Nielsen Hayden** Saturday
4441 50 minutes CCD: Level 3 Foyer

Kaffeeklatsches

14:00 **Kaffeeklatsch: Diana M. Pho** Saturday
4444 50 minutes CCD: Level 3 Foyer

14:00 **Kaffeeklatsch: Matthew Hughes** Saturday
4447 50 minutes CCD: Level 3 Foyer

14:00 **Kaffeeklatsch: R.F. Kuang** Saturday
4450 50 minutes CCD: Level 3 Foyer

14:00 **Kaffeeklatsch: Sarah Rees Brennan** Saturday
4453 50 minutes CCD: Level 3 Foyer

14:00 **Kaffeeklatsch: Sean Hazlett** Saturday
4456 50 minutes CCD: Level 3 Foyer

15:00 **Kaffeeklatsch: Peter Beagle** Saturday
4546 50 minutes CCD: Level 3 Foyer

15:00 **Kaffeeklatsch: Roz Kaveney** Saturday
4549 50 minutes CCD: Level 3 Foyer

15:00 **Kaffeeklatsch: Carrie Patel** Saturday
4552 50 minutes CCD: Level 3 Foyer

15:00 **Kaffeeklatsch: John R. Douglas** Saturday
4555 50 minutes CCD: Level 3 Foyer

15:00 **Kaffeeklatsch: Miriam Weinberg** Saturday
4558 50 minutes CCD: Level 3 Foyer

15:00 **Kaffeeklatsch: Kate Elliott** Saturday
4561 50 minutes CCD: Level 3 Foyer

16:00 **Kaffeeklatsch: Mary Turzillo** Saturday
4651 50 minutes CCD: Level 3 Foyer

16:00 **Kaffeeklatsch: Atlin Merrick** Saturday
4654 50 minutes CCD: Level 3 Foyer

16:00 **Kaffeeklatsch: Alexandra Rowland** Saturday
4657 50 minutes CCD: Level 3 Foyer

16:00 **Kaffeeklatsch: Ellen Kushner** Saturday
4660 50 minutes CCD: Level 3 Foyer

16:00 **Kaffeeklatsch: Paddy Lennon** Saturday
4663 50 minutes CCD: Level 3 Foyer

16:00 **Kaffeeklatsch: Sarah Pinsker** Saturday
4666 50 minutes CCD: Level 3 Foyer

17:00 **Kaffeeklatsch: Jo Walton** Saturday
4753 50 minutes CCD: Level 3 Foyer

17:00 **Kaffeeklatsch: Gillian Redfearn** Saturday
4756 50 minutes CCD: Level 3 Foyer

17:00 **Kaffeeklatsch: Henry Spencer** Saturday
4759 50 minutes CCD: Level 3 Foyer

17:00 **Kaffeeklatsch: S.A. Chakraborty** Saturday
4762 50 minutes CCD: Level 3 Foyer

17:00 **Kaffeeklatsch: Dr Inge Heyer** Saturday
4765 50 minutes CCD: Level 3 Foyer

17:00 **Kaffeeklatsch: Michael Swanwick** Saturday
4768 50 minutes CCD: Level 3 Foyer

10:00 **Kaffeeklatsch: Christine Taylor-Butler** Sunday
5039 50 minutes CCD: Level 3 Foyer

10:00 **Kaffeeklatsch: Benjamin C. Kinney** Sunday
5042 50 minutes CCD: Level 3 Foyer

10:00 **Kaffeeklatsch: David Demchuk** Sunday
5045 50 minutes CCD: Level 3 Foyer

10:00 **Kaffeeklatsch: Eva L. Elasigue** Sunday
5048 50 minutes CCD: Level 3 Foyer

10:00 **Kaffeeklatsch: Devin Madson** Sunday
5051 50 minutes CCD: Level 3 Foyer

11:00 **Kaffeeklatsch: Darcie Little Badger** Sunday
5135 50 minutes CCD: Level 3 Foyer

11:00 **Kaffeeklatsch: Marie Brennan** Sunday
5138 50 minutes CCD: Level 3 Foyer

11:00 **Kaffeeklatsch: P C Hodgell** Sunday
5141 50 minutes CCD: Level 3 Foyer

Kaffeeklatsches

11:00 **Kaffeeklatsch: Ellen Klages** Sunday
5144 50 minutes CCD: Level 3 Foyer

11:00 **Kaffeeklatsch: John Picacio** Sunday
5147 50 minutes CCD: Level 3 Foyer

11:00 **Kaffeeklatsch: George Sandison** Sunday
5150 50 minutes CCD: Level 3 Foyer

12:00 **Kaffeeklatsch: Jo Fletcher** Sunday
5237 50 minutes CCD: Level 3 Foyer

12:00 **Kaffeeklatsch: John Berlyne** Sunday
5240 50 minutes CCD: Level 3 Foyer

12:00 **Kaffeeklatsch: E. Lily Yu** Sunday
5243 50 minutes CCD: Level 3 Foyer

12:00 **Kaffeeklatsch: Ian Whates** Sunday
5246 50 minutes CCD: Level 3 Foyer

12:00 **Kaffeeklatsch: Cat Marsters** Sunday
5249 50 minutes CCD: Level 3 Foyer

12:00 **Kaffeeklatsch: Steven Erikson** Sunday
5252 50 minutes CCD: Level 3 Foyer

13:00 **Kaffeeklatsch: Aliette de Bodard** Sunday
5345 50 minutes CCD: Level 3 Foyer

13:00 **Kaffeeklatsch: Teddy Harvia** Sunday
5348 50 minutes CCD: Level 3 Foyer

13:00 **Kaffeeklatsch: Delia Sherman** Sunday
5351 50 minutes CCD: Level 3 Foyer

13:00 **Kaffeeklatsch: Joshua Bilmes** Sunday
5354 50 minutes CCD: Level 3 Foyer

13:00 **Kaffeeklatsch: Liza Trombi** Sunday
5357 50 minutes CCD: Level 3 Foyer

13:00 **Kaffeeklatsch: Fulvio Gatti** Sunday
5360 50 minutes CCD: Level 3 Foyer

14:00 **Kaffeeklatsch: David D. Levine** Sunday
5459 50 minutes CCD: Level 3 Foyer

14:00 **Kaffeeklatsch: Kate Baker** Sunday
5462 50 minutes CCD: Level 3 Foyer

14:00 **Kaffeeklatsch: Neil Clarke** Sunday
5465 50 minutes CCD: Level 3 Foyer

14:00 **Kaffeeklatsch: A. T. Greenblatt** Sunday
5468 50 minutes CCD: Level 3 Foyer

14:00 **Kaffeeklatsch: Julie C. Day** Sunday
5471 50 minutes CCD: Level 3 Foyer

14:00 **Kaffeeklatsch: Michi Trota** Sunday
5474 50 minutes CCD: Level 3 Foyer

15:00 **Kaffeeklatsch: Adrian Tchaikovsky** Sunday
5555 50 minutes CCD: Level 3 Foyer

15:00 **Kaffeeklatsch: Becky Chambers** Sunday
5558 50 minutes CCD: Level 3 Foyer

15:00 **Kaffeeklatsch: Libia Brenda** Sunday
5561 50 minutes CCD: Level 3 Foyer

15:00 **Kaffeeklatsch: Marcus Gipps** Sunday
5564 50 minutes CCD: Level 3 Foyer

15:00 **Kaffeeklatsch: Taiyo Fujii** Sunday
5567 50 minutes CCD: Level 3 Foyer

16:00 **Kaffeeklatsch: Amal El-Mohtar** Sunday
5651 50 minutes CCD: Level 3 Foyer

16:00 **Kaffeeklatsch: Alex Acks** Sunday
5654 50 minutes CCD: Level 3 Foyer

16:00 **Kaffeeklatsch: Daryl Gregory** Sunday
5657 50 minutes CCD: Level 3 Foyer

16:00 **Kaffeeklatsch: Randee Dawn** Sunday
5660 50 minutes CCD: Level 3 Foyer

16:00 **Kaffeeklatsch: Sultana Raza** Sunday
5663 50 minutes CCD: Level 3 Foyer

Kaffeeklatsches

16:00	**Kaffeeklatsch: Nancy Kress**		Sunday
	5666	50 minutes	CCD: Level 3 Foyer
17:00	**Kaffeeklatsch: Eric Choi**		Sunday
	5738	50 minutes	CCD: Level 3 Foyer
17:00	**Kaffeeklatsch: Michael Carroll**		Sunday
	5741	50 minutes	CCD: Level 3 Foyer
17:00	**Kaffeeklatsch: Laura Antoniou**		Sunday
	5744	50 minutes	CCD: Level 3 Foyer
17:00	**Kaffeeklatsch: Sazib Bhuiyan**		Sunday
	5747	50 minutes	CCD: Level 3 Foyer
17:00	**Kaffeeklatsch: Sienna Saint-Cyr**		Sunday
	5750	50 minutes	CCD: Level 3 Foyer
10:00	**Kaffeeklatsch: C. E. Murphy**		Monday
	6042	50 minutes	CCD: Level 3 Foyer
10:00	**Kaffeeklatsch: Kenneth Schneyer**		Monday
	6045	50 minutes	CCD: Level 3 Foyer
10:00	**Kaffeeklatsch: Naomi Novik**		Monday
	6039	50 minutes	CCD: Liffey-A
10:00	**Kaffeeklatsch: Alec Nevala-Lee**		Monday
	6048	50 minutes	CCD: Level 3 Foyer
10:00	**Kaffeeklatsch: Beth Meacham**		Monday
	6051	50 minutes	CCD: Level 3 Foyer
11:00	**Kaffeeklatsch: Fonda Lee**		Monday
	6123	50 minutes	CCD: Level 3 Foyer
11:00	**Kaffeeklatsch: Sheila Williams**		Monday
	6126	50 minutes	CCD: Level 3 Foyer
11:00	**Kaffeeklatsch: Greg Chivers**		Monday
	6129	50 minutes	CCD: Level 3 Foyer
11:00	**Kaffeeklatsch: Dr Liz Bourke**		Monday
	6132	50 minutes	CCD: Level 3 Foyer
12:00	**Kaffeeklatsch: Marguerite Kenner**		Monday
	6219	50 minutes	CCD: Level 3 Foyer
12:00	**Kaffeeklatsch: Ramsey Campbell**		Monday
	6222	50 minutes	CCD: Level 3 Foyer
12:00	**Kaffeeklatsch: Stefan Rudnicki**		Monday
	6225	50 minutes	CCD: Level 3 Foyer
12:00	**Kaffeeklatsch: Cadwell Turnbull**		Monday
	6228	50 minutes	CCD: Level 3 Foyer
13:00	**Kaffeeklatsch: Alasdair Stuart**		Monday
	6312	50 minutes	CCD: Level 3 Foyer
13:00	**Kaffeeklatsch: Likhain**		Monday
	6315	50 minutes	CCD: Level 3 Foyer
13:00	**Kaffeeklatsch: Katrina Archer**		Monday
	6318	50 minutes	CCD: Level 3 Foyer
14:00	**Kaffeeklatsch: GoHs Bill and Mary Burns**		Monday
	6387	50 minutes	CCD: Level 3 Foyer
14:00	**Kaffeeklatsch: Dr. Bradford Lyau**		Monday
	6390	50 minutes	CCD: Level 3 Foyer
14:00	**Kaffeeklatsch: Gabrielle de Cuir**		Monday
	6393	50 minutes	CCD: Level 3 Foyer
14:00	**Kaffeeklatsch: Tom Lehmann**		Monday
	6396	50 minutes	CCD: Level 3 Foyer

Literary Beers

17:00 **Literary Beer: Ellen Datlow** Thursday
2507 50 minutes Martin Hoare's Bar (CCD: Liffey-A)

18:00 **Literary Beer: Sara Felix** Thursday
2561 50 minutes Martin Hoare's Bar (CCD: Liffey-A)

18:00 **Literary Beer: Zaza Koshkadze** Thursday
2564 50 minutes Martin Hoare's Bar (CCD: Liffey-A)

19:00 **Literary Beer: Geoffrey A. Landis** Thursday
2594 50 minutes Martin Hoare's Bar (CCD: Liffey-A)

19:00 **Literary Beer: Lee Harris** Thursday
2597 50 minutes Martin Hoare's Bar (CCD: Liffey-A)

20:00 **Literary Beer: Laurel Anne Hill** Thursday
2621 50 minutes Martin Hoare's Bar (CCD: Liffey-A)

20:00 **Literary Beer: Juliana Rew** Thursday
2624 50 minutes Martin Hoare's Bar (CCD: Liffey-A)

18:00 **Literary Beer: GoH Ian McDonald** Friday
3810 50 minutes Martin Hoare's Bar (CCD: Liffey-A)

18:00 **Literary Beer: GoH Ginjer Buchanan** Friday
3813 50 minutes Martin Hoare's Bar (CCD: Liffey-A)

19:00 **Literary Beer: Ian Watson** Friday
3861 50 minutes Martin Hoare's Bar (CCD: Liffey-A)

20:00 **LIterary Beer: GoH Steve Jackson** Friday
3888 50 minutes Martin Hoare's Bar (CCD: Liffey-A)

20:00 **Literary Beer: Charlie Jane Anders** Friday
3891 50 minutes Martin Hoare's Bar (CCD: Liffey-A)

21:00 **Literary Beer: Geri Sullivan** Friday
3927 50 minutes Martin Hoare's Bar (CCD: Liffey-A)

17:00 **Literary Beer: Dr Shaun Duke** Saturday
4747 50 minutes Martin Hoare's Bar (CCD: Liffey-A)

17:00 **Literary Beer: Joe Haldeman** Saturday
4750 50 minutes Martin Hoare's Bar (CCD: Liffey-A)

18:00 **Literary Beer: GoHs Bill and Mary Burns** Saturday
4837 50 minutes Martin Hoare's Bar (CCD: Liffey-A)

18:00 **Literary Beer: GoH Prof Jocelyn Bell Burnell** Saturday
4840 50 minutes Martin Hoare's Bar (CCD: Liffey-A)

19:00 **Literary Beer: Mary Anne Mohanraj** Saturday
4885 50 minutes Martin Hoare's Bar (CCD: Liffey-A)

19:00 **Literary Beer: Victoria 'V. E.' Schwab** Saturday
4888 50 minutes Martin Hoare's Bar (CCD: Liffey-A)

20:00 **LIterary Beer: GoH Diane Duane** Saturday
4918 50 minutes Martin Hoare's Bar (CCD: Liffey-A)

20:00 **Literary Beer: Gary K. Wolfe** Saturday
4921 50 minutes Martin Hoare's Bar (CCD: Liffey-A)

21:00 **Literary Beer: Pat Cadigan** Saturday
4957 50 minutes Martin Hoare's Bar (CCD: Liffey-A)

21:00 **Literary Beer: Elizabeth Bear** Saturday
4960 50 minutes Martin Hoare's Bar (CCD: Liffey-A)

17:00 **Literary Beer: S. Spencer Baker** Sunday
5732 50 minutes Martin Hoare's Bar (CCD: Liffey-A)

17:00 **Literary Beer: Stephen Jones** Sunday
5735 50 minutes Martin Hoare's Bar (CCD: Liffey-A)

18:00 **Literary Beer: Fred Gambino** Sunday
5804 50 minutes Martin Hoare's Bar (CCD: Liffey-A)

21:00 **Literary Beer: Dr Sara L. Uckelman** Sunday
5882 50 minutes Martin Hoare's Bar (CCD: Liffey-A)

Quiz and Game Shows

19:00 **Superfight: anime** Thursday
2603 50 minutes CCD: Liffey Room-3

20:00 **Quiz: romance plot or not?** Friday
3879 50 minutes CCD: Liffey Hall-2

22:00 **Speed friending** Friday
3939 50 minutes CCD: Liffey Hall-2

12:00 **Just a Minute** Saturday
4288 50 minutes CCD: Liffey-B (Second Stage)

21:00 **Panel show: 'That was unexpected!'** Saturday
4951 50 minutes CCD: Wicklow Hall 2B

22:30 **Satellite conventions pub quiz** Sunday
5897 85 minutes CCD: Liffey-B (Second Stage)

11:00 **Superfight: superheroes** Monday
6141 50 minutes CCD: Wicklow Room-2

Presentations

11:30 **Pulsars** Thursday
2093 50 minutes Point Square: Odeon 1

12:00 **A musical history of Swedish fandom** Thursday
2120 50 minutes CCD: Wicklow Room-4

12:30 **A million miles beyond midnight** Thursday
2159 50 minutes Point Square: Odeon 2

13:00 **Understanding convention culture: the importance of data** Thursday
2189 50 minutes CCD: Wicklow Room-4

13:00 **Ear wyrms** Thursday
2174 50 minutes CCD: Wicklow Hall-1

14:00 **Gender in anime and manga** Thursday
2231 50 minutes CCD: Wicklow Hall 2B

15:30 **Techniques: from analogue to digital** Thursday
2399 50 minutes Point Square: Odeon 3

16:30 **Computer History Museum presentations** Thursday
2480 50 minutes Point Square: Odeon 5

16:30 **The art of John Picacio** Thursday
2486 50 minutes Point Square: Odeon 3

10:00 **How I learned to stop worrying and love Hollywood** Friday
3057 50 minutes CCD: ECOCEM Room

12:30 **The art of Sana Takeda** Friday
3321 50 minutes Point Square: Odeon 1

17:00 **eFanzines – live!** Friday
3774 50 minutes CCD: Liffey Room-1

10:00 **NASA astronaut training** Saturday
4093 50 minutes CCD: Liffey-B (Second Stage)

10:30 **Writing realistic injury scenarios** Saturday
4117 50 minutes Point Square: Odeon 4

10:30 **Hyperbolic crochet** Saturday
4111 50 minutes Point Square: Alhambra

11:30 **EAAPES (Feminist & Queer Extra-Solar Alternatives)** Saturday
4219 50 minutes Point Square: Odeon 4

12:30 **Zap: lightning science** Saturday
4318 50 minutes Point Square: Odeon 4

12:30 **Cover me: telling a story in a single image** Saturday
4330 50 minutes Point Square: Odeon 1

13:00 **Art in space** Saturday
4375 50 minutes CCD: Wicklow Room-3

14:30 **Quack medical devices: a show & tell** Saturday
4513 50 minutes Point Square: Odeon 3

20:00 **What's been happening at WETA Digital?** Saturday
4909 50 minutes CCD: Liffey Hall-2

22:00 **Cats in SFF** Saturday
4978 50 minutes CCD: Liffey Hall-2

12:30 **Maeve Clancy: visualising a refugee story** Sunday
5327 50 minutes Point Square: Odeon 1

Presentations

13:00 **The canon conundrum** Sunday
5369 50 minutes CCD: Wicklow Room-2

20:00 **The Cassini probe** Sunday
5858 50 minutes CCD: Liffey Hall-2

10:30 **The art of Iain Clark** Monday
6099 50 minutes Point Square: Odeon 2

11:30 **Giant robots in science fiction** Monday
6192 50 minutes Point Square: Odeon 2

11:30 **112 in freefall: handling medical emergencies in space** Monday
6189 50 minutes Point Square: Odeon 3

12:00 **Visual effects for film: a collaborative art** Monday
6213 50 minutes CCD: Wicklow Hall-1

12:30 **The life and times of Jim Fitzpatrick, artist** Monday
6285 50 minutes Point Square: Odeon 2

13:30 **Today we stop the apocalypse!** Monday
6360 50 minutes Point Square: Odeon 5

14:00 **New Zealand space programme** Monday
6375 50 minutes CCD: Liffey Hall-2

14:30 **Worldbuilding: the technology of the BrainTrust** Monday
6435 50 minutes Point Square: Odeon 3

15:00 **Martian landers** Monday
6450 50 minutes CCD: Wicklow Hall 2B

Readings

12:00 **Reading: James Patrick Kelly** Thursday
2126 20 minutes CCD: Liffey Room-3

13:00 **Reading: Jo Walton** Thursday
2177 50 minutes CCD: ECOCEM Room

14:00 **Reading: Aliette de Bodard** Thursday
2258 20 minutes CCD: ECOCEM Room

14:30 **Reading: Sarah Rees Brennan** Thursday
2288 20 minutes CCD: ECOCEM Room

15:00 **Reading: Holly Black** Thursday
2372 50 minutes CCD: Liffey Room-2

16:00 **Reading: Kari Sperring** Thursday
2462 20 minutes CCD: Liffey Room-3

16:30 **Reading: Lynda Rucker** Thursday
2471 20 minutes CCD: Liffey Room-3

17:00 **Reading: Gabrielle de Cuir** Thursday
2534 20 minutes CCD: Liffey Room-3

17:30 **Reading: Jaine Fenn** Thursday
2543 20 minutes CCD: Liffey Room-3

18:00 **Reading: Pat Cadigan** Thursday
2570 50 minutes CCD: Liffey Room-3

19:00 **Reading: Ada Palmer** Thursday
2606 20 minutes CCD: Liffey Room-2

19:30 **Reading: C. E. Murphy** Thursday
2612 20 minutes CCD: Liffey Room-2

20:00 **Reading: Kate Heartfield** Thursday
2627 20 minutes CCD: Liffey Room-3

20:30 **Reading: Ellen Kushner** Thursday
2636 20 minutes CCD: Liffey Room-3

10:00 **Reading: Gregory Norman Bossert** Friday
3078 20 minutes CCD: Liffey Room-3

10:30 **Reading: Peter Morwood** Friday
3099 20 minutes CCD: Liffey Room-3

11:00 **Reading: Rebecca Roanhorse** Friday
3189 20 minutes CCD: Liffey Room-2

Readings

11:30 **Reading: Victoria 'V. E.' Schwab** Friday
3198 20 minutes CCD: Liffey Room-2

12:00 **Reading: Kate Elliott** Friday
3285 20 minutes CCD: Liffey Room-3

12:30 **Reading: Taiyo Fujii** Friday
3291 20 minutes CCD: Liffey Room-3

13:00 **Reading: Becky Chambers** Friday
3381 50 minutes CCD: Liffey Room-2

14:00 **Reading: Joe Abercrombie** Friday
3456 20 minutes CCD: ECOCEM Room

14:30 **Reading: R. F. Kuang** Friday
3492 20 minutes CCD: ECOCEM Room

15:00 **Reading: Karl Schroeder** Friday
3588 20 minutes CCD: Liffey Room-3

15:30 **Reading: Sarah Gailey** Friday
3597 20 minutes CCD: Liffey Room-3

16:00 **Reading: Jon Courtenay Grimwood** Friday
3687 20 minutes CCD: Liffey Room-3

16:30 **Reading: Catherynne Valente** Friday
3699 20 minutes CCD: Liffey Room-3

18:00 **Reading: Julia Rios** Friday
3837 20 minutes CCD: Liffey Room-3

18:30 **Reading: Alex Acks** Friday
3849 20 minutes CCD: Liffey Room-3

19:00 **Reading: Anne Charnock** Friday
3870 20 minutes CCD: Liffey Room-3

19:30 **Reading: Lisa Tuttle** Friday
3876 20 minutes CCD: Liffey Room-3

20:00 **Reading: Naomi Kritzer** Friday
3900 20 minutes CCD: Liffey Room-3

20:30 **Reading: Gareth Powell** Friday
3912 20 minutes CCD: Liffey Room-3

10:00 **Reading: Paul Cornell** Saturday
4084 20 minutes CCD: Liffey Room-3

10:30 **Reading: Simon R. Green** Saturday
4099 20 minutes CCD: Liffey Room-3

11:00 **Reading: Adrian Tchaikovsky** Saturday
4189 20 minutes CCD: Liffey Room-3

11:30 **Reading: Martha Wells** Saturday
4204 20 minutes CCD: Liffey Room-3

12:00 **Reading: Michael Swanwick** Saturday
4282 50 minutes CCD: Liffey Room-3

13:00 **Reading: Fran Wilde** Saturday
4381 20 minutes CCD: Liffey Room-3

13:30 **Reading: Marie Brennan** Saturday
4393 20 minutes CCD: Liffey Room-3

14:00 **Reading: Nancy Kress** Saturday
4459 20 minutes CCD: ECOCEM Room

14:30 **Reading: Naomi Novik** Saturday
4501 20 minutes CCD: ECOCEM Room

15:00 **Reading: Charles Stross** Saturday
4564 20 minutes CCD: ECOCEM Room

15:30 **Reading: Yoon Ha Lee** Saturday
4600 20 minutes CCD: ECOCEM Room

17:00 **Reading: Ellen Klages** Saturday
4792 20 minutes CCD: Liffey Room-3

Readings

17:30 **Reading: Sarah Tolmie** — Saturday
4804 20 minutes — CCD: Liffey Room-3

18:00 **Reading: GoH Diane Duane** — Saturday
4828 50 minutes — CCD: Liffey Hall-2

18:00 **Reading: GoH Ian McDonald** — Saturday
4834 50 minutes — CCD: Wicklow Hall-1

19:00 **Reading: E. Lily Yu** — Saturday
4897 20 minutes — CCD: Liffey Room-3

19:30 **Reading: P. C. Hodgell** — Saturday
4906 20 minutes — CCD: Liffey Room-3

20:00 **Reading: Dr Theodora Goss** — Saturday
4930 20 minutes — CCD: Liffey Room-3

20:30 **Reading: Nina Allan** — Saturday
4945 20 minutes — CCD: Liffey Room-3

10:00 **Reading: Lex Beckett** — Sunday
5078 20 minutes — CCD: Liffey Room-3

10:30 **Reading: Libia Brenda** — Sunday
5093 20 minutes — CCD: Liffey Room-3

11:00 **Reading: Peadar Ó Guilín** — Sunday
5174 20 minutes — CCD: Liffey Room-3

11:30 **Reading: Roz Kaveney** — Sunday
5195 20 minutes — CCD: Liffey Room-3

12:00 **Reading: John Scalzi** — Sunday
5279 50 minutes — CCD: Liffey Room-3

13:00 **Reading: Sarah Pinsker** — Sunday
5384 20 minutes — CCD: Liffey Room-3

13:30 **Reading: Ramsey Campbell** — Sunday
5405 20 minutes — CCD: Liffey Room-3

14:00 **Reading: Joe Haldeman** — Sunday
5498 20 minutes — CCD: Liffey Room-3

14:30 **Reading: Rachel Hartman** — Sunday
5510 20 minutes — CCD: Liffey Room-3

15:00 **Reading: Scott Lynch** — Sunday
5600 20 minutes — CCD: Liffey Room-2

15:30 **Reading: Elizabeth Bear** — Sunday
5612 20 minutes — CCD: Liffey Room-2

16:00 **Reading: Mary Anne Mohanraj** — Sunday
5690 50 minutes — CCD: Liffey Room-3

16:00 **Reading: Joe Hill** — Sunday
5693 20 minutes — CCD: Liffey Room-2

17:00 **Reading: Peter Beagle** — Sunday
5753 20 minutes — CCD: ECOCEM Room

17:30 **Reading: Sue Burke** — Sunday
5777 20 minutes — CCD: ECOCEM Room

18:00 **Reading: Carrie Vaughn** — Sunday
5828 20 minutes — CCD: Liffey Room-3

18:30 **Reading: Nick Wood** — Sunday
5834 20 minutes — CCD: Liffey Room-3

19:00 **Reading: Geoff Ryman** — Sunday
5849 20 minutes — CCD: Liffey Room-3

19:30 **Reading: Madeline Ashby** — Sunday
5855 20 minutes — CCD: Liffey Room-3

20:00 **Reading: Matthew Hughes** — Sunday
5867 20 minutes — CCD: Liffey Room-3

20:30 **Reading: Patrice Sarath** — Sunday
5879 20 minutes — CCD: Liffey Room-3

Readings

10:00 **Reading: Mary Robinette Kowal** Monday
6066 50 minutes CCD: Liffey Room-2

10:00 **Reading: Michelle Sagara** Monday
6063 50 minutes CCD: Liffey Room-3

11:00 **Reading: Laura Lam** Monday
6159 20 minutes CCD: Liffey Room-3

11:00 **Reading: Marina J. Lostetter** Monday
6150 20 minutes CCD: Wicklow Room-5

11:30 **Reading: Michael Scott** Monday
6171 20 minutes CCD: Wicklow Room-5

11:30 **Reading: Charles Vess** Monday
6174 20 minutes CCD: Liffey Room-3

12:30 **Reading: Jeannette Ng** Monday
6258 20 minutes CCD: Liffey Room-3

12:30 **Reading: Alec Nevala-Lee** Monday
6255 20 minutes CCD: Wicklow Room-5

13:00 **Reading: Ian R. MacLeod** Monday
6336 50 minutes CCD: Liffey Room-3

13:00 **Reading: Juliet E. McKenna** Monday
6330 20 minutes CCD: Wicklow Room-5

13:30 **Reading: Heather Rose Jones** Monday
6351 20 minutes CCD: Wicklow Room-5

14:00 **Reading: Genevieve Cogman** Monday
6408 20 minutes CCD: Wicklow Room-5

14:30 **Reading: Daryl Gregory** Monday
6420 20 minutes CCD: Wicklow Room-5

15:00 **Reading: Scott Edelman** Monday
6471 20 minutes CCD: Liffey Room-3

15:00 **Reading: Ian Whates** Monday
6468 20 minutes CCD: Wicklow Room-5

15:30 **Reading: Emma Newman** Monday
6486 20 minutes CCD: Liffey Room-3

15:30 **Reading: Hal Duncan** Monday
6483 20 minutes CCD: Wicklow Room-5

16:00 **Reading: Greer Gilman** Monday
6495 20 minutes CCD: Liffey Room-3

16:00 **Reading: Alexander Dan Vilhjálmsson** Monday
6492 20 minutes CCD: Wicklow Room-5

Talks

11:30 **Introduction to working with leather** Thursday
2081 50 minutes Point Square: Odeon 4

12:30 **What science is and is not** Thursday
2150 50 minutes Point Square: Odeon 5

12:30 **Finishing touches: wigs** Thursday
2153 50 minutes Point Square: Odeon 4

13:30 **Throwing Grandma Out The Airlock** Thursday
2213 50 minutes Point Square: Odeon 5

14:30 **Science, religion, and the art of storytelling** Thursday
2303 50 minutes Point Square: Odeon 4

15:00 **How to self-publish your roleplaying game** Thursday
2357 50 minutes CCD: Wicklow Room-3

15:00 **Current trends in South Asian SFF** Thursday
2324 50 minutes CCD: Wicklow Hall-1

15:30 **William R. Hamilton and the quaternions** Thursday
2396 50 minutes Point Square: Odeon 4

15:30 **Revealing the hidden complexity of technology** Thursday
2393 50 minutes Point Square: Odeon 5

Talks

16:30 **Trying on futures using science and art** Thursday
2483 50 minutes Point Square: Odeon 4

17:00 **Medieval textiles and textile crafts** Thursday
2525 50 minutes CCD: Wicklow Room-1

17:00 **Lafcadio Hearn: the unsung hero of Japanese SFF** Thursday
2495 50 minutes CCD: Liffey Hall-2

11:30 **How we became LV426** Friday
3216 50 minutes Point Square: Odeon 5

12:30 **Computing before computers** Friday
3303 50 minutes Point Square: Alhambra

13:00 **Transatlantic communication cables with Bill Burns** Friday
3330 50 minutes CCD: Liffey Hall-2

13:00 **Diversity in STEM** Friday
3384 50 minutes CCD: Liffey-B (Second Stage)

14:00 **Basics of fabric dyeing** Friday
3480 50 minutes CCD: Liffey Room-3

15:30 **Why did Einstein want a better refrigerator?** Friday
3624 50 minutes Point Square: Stratocaster BC

15:30 **Neuroscience for writers and readers: the evolved brain** Friday
3609 50 minutes Point Square: Odeon 4

16:00 **3D printing now and in the near future** Friday
3684 50 minutes CCD: Liffey Room-1

10:30 **The artificial uterus in science and science fiction** Saturday
4120 50 minutes Point Square: Odeon 3

11:00 **Fighting Words: creativity in everyone** Saturday
4180 80 minutes CCD: Wicklow Room-5

11:00 **Scoring the fantastic** Saturday
4177 50 minutes CCD: Wicklow Room-4

12:00 **Beady Pocket** Saturday
4240 50 minutes CCD: Wicklow Hall 2B

14:00 **How to introduce kids to roleplaying** Saturday
4468 50 minutes CCD: Wicklow Room-3

15:30 **The early history of computer music** Saturday
4615 50 minutes Point Square: Odeon 5

15:30 **Robots before RUR** Saturday
4618 50 minutes Point Square: Odeon 4

16:00 **The work of Cathal Ó Sándair** Saturday
4675 50 minutes CCD: Wicklow Room-2

16:00 **Preparing for space** Saturday
4696 50 minutes CCD: Liffey-B (Second Stage)

16:30 **A taste of early music for vocal performance** Saturday
4720 50 minutes Point Square: Odeon 4

12:00 **Irish revolution in speculative fiction, 1875–1945** Sunday
5228 50 minutes CCD: Wicklow Hall 2B

12:30 **All of biology in 60 minutes or less** Sunday
5321 50 minutes Point Square: Odeon 2

12:30 **Introduction to orbital mechanics** Sunday
5312 50 minutes Point Square: Odeon 5

12:30 **A history of deadly fashions** Sunday
5318 50 minutes Point Square: Odeon 3

13:30 **Unashamed BIOS** Sunday
5426 50 minutes Point Square: Odeon 3

14:00 **Shapes of the Mórrígan: representations and reality** Sunday
5447 50 minutes CCD: Wicklow Hall-1

14:30 **The Jetsons was my gateway SF** Sunday
5531 50 minutes Point Square: Odeon 2

14:30 **Perry Rhodan: world's greatest SF series** Sunday
5528 50 minutes Point Square: Odeon 3

14:30 **To the edge of the Sun: the Parker Solar Probe** Sunday
5540 50 minutes Point Square: Stratocaster BC

15:00 **Independent authors and book covers** Sunday
5543 50 minutes CCD: Liffey Hall-2

15:30 **Behind the seams of the Masquerade** Sunday
5618 50 minutes Point Square: Alhambra

19:00 **Tales from the world of special effects** Sunday
5837 50 minutes CCD: Liffey Hall-2

10:00 **Women write about war** Monday
6033 50 minutes CCD: Wicklow Hall-1

10:00 **In conversation: Jocelyn Bell Burnell and Norah Patten** Monday
6069 80 minutes CCD: Auditorium

10:30 **Irish science and scientific discoveries** Monday
6096 50 minutes Point Square: Odeon 3

12:00 **The life and works of James White** Monday
6231 50 minutes CCD: ECOCEM Room

12:30 **Beyond Pluto to Ultima Thule: NASA's New Horizons** Monday
6282 50 minutes Point Square: Odeon 3

12:30 **The Pan Galactic Gargle Blaster: a chemist's perspective** Monday
6276 50 minutes Point Square: Odeon 5

13:00 **Diane Duane: Tales from the Duck Factory** Monday
6306 50 minutes CCD: Wicklow Hall-1

14:00 **GRRM: the Irish connections** Monday
6414 80 minutes CCD: Liffey-B (Second Stage)

14:00 **Music and instruments: then, now and otherwhen** Monday
6381 50 minutes CCD: Wicklow Hall-1

14:00 **Deep-sea corals: the strangest wonders** Monday
6378 50 minutes CCD: Wicklow Hall 2B

14:30 **Powering a future with a stable climate** Monday
6438 50 minutes Point Square: Odeon 2

Programme Workshops

Our programme includes a diverse and exciting spectrum of workshops ranging from medieval crafting to learning languages of the future. Workshops will be held at both the CCD Level 2 Wicklow Meeting Room 5 and the Point Square Warehouse Art Demo Area, so be sure to make note of the specific location of any individual workshops you plan to attend.

Due to capacity and age restrictions, certain workshops require advance signup and/or might have a separate materials fee — check the individual workshop descriptions for details. Sign up sheets for limited attendance workshops are at the Information Desk of the venue where the workshop is being held. The sheets will be available at least a day in advance beginning at the following times:

- 10:00 on Wednesday, Thursday, Friday, Saturday and Sunday for the next day's sessions that start between 10:00 and 14:00.
- 14:00 on Wednesday, Thursday, Friday, Saturday and Sunday for the next day's sessions that start between 14:00 and 17:00

Sign up sheets will have three (3) reserve places in case someone does not show up or cancels. If there is no mention of advance signup in the description, no sign up is required and you may report to the workshop.

Any required fees will be collected at the start of the workshop.

Thursday

10:00 Live long and prosper: yoga and meditation for Trekkies (Day 1)
10:30 The Raksura Colony Tree – A Community Art Project 1
11:00 Taking Accurate Body Measurements
13:30 Beginning Voice for Non-Singers
13:30 Ways of Tea
13:30 Smartphone Photography Workshop
15:00 Diane Duane Writers' Workshop and Metaworkshop:
15:30 Speed Crafting: Session 1

Friday

09:00 Accessible Yoga
10:30 Speed Crafting: Session 2
11:00 3D Printing Workshop with I-Form (see detailed listing in Grenadine Event Guide)

Programme Workshops

Friday

12:30 Scrapyard cosplay
13:00 Movement for Costumers
14:00 3D Printing Workshop with I-Form (see detailed listing in Grenadine Event Guide)
14:30 The Raksura Colony Tree – A Community Art Project 2
16:00 Buying your first guitar
16:30 Hand Sewing Basics

Saturday

09:00 Accessible Yoga Day 2
10:00 YA chills and thrills: reading and discussion
10:30 Stitch 'n Bitch
12:30 SFF Script Analysis Workshop for Actors
12:30 The Raksura Colony Tree: A Community Art Project 3
13:30 Rapunzel, Rapunzel, Let's Braid Your Hair!
14:00 Beginners' Improv Comedy Workshop
15:30 Bayeux "Tapestry" Embroidery Techniques: Session 1
16:30 Fan art you can drink

Sunday

09:00 Live long and prosper: yoga and meditation for Trekkies (Day 2)
10:00 Introduction to Bellydance
12:00 Writing Weapons Workshop
12:30 Introduction to Irish Crochet Lace
13:30 Method Acting In Space
15:00 How to Read Aloud for Performance
15:30 Bronze and Copper Clay Workshop
17:00 Workshop: Lang Belta (the language of The Expanse)

Monday

10:30 The Raksura Colony Tree – Putting it all together
12:30 The Raksura Colony Tree – Celebration!
14:30 Bayeux "Tapestry" Embroidery Techniques: Session 2

Programme Changes

The Dublin 2019 programme features an exciting and varied array of sessions that explore the depth and breadth of a world class science fiction convention, delving into speculative fiction, art, comics, music, and gaming with a special focus on Irish themes. From the fantastic to the scientific, our daily schedule consists of fun and engaging topics that dig into the past, propelling us into countless futures. Our participants will be smart and articulate and our programme will celebrate the best of what Worldcon has to offer.

But, our programme will experience unavoidable changes. Our newsletter will contain all programme changes and the Grenadine Event Guide mobile app (identifier: DUBLIN2019) will be updated regularly.

Nobody Expects The Fannish Inquisition!

16:00 Future Worldcon Q&As (or, the Fannish Inquisition)

Meeting 110 minutes Friday CCD: Wicklow Hall-1

Where will the future Worldcons be located?

Watch presentations from upcoming Worldcons and Worldcon bids. Where will the World Science Fiction Society (WSFS) be meeting next? What locations are bidding for which years?

This live forum provides the ability to ask questions, so you can cast an informed vote in this year and future years' site selections.

Dr. Deb Geisler (M), Randall Shepherd (M)

Wednesday

19:00 **Oppy or Armstrong? Autonomous vs human space exploration**
1033 Panel 120 minutes Other: Fringe
The Mars Explorer Rover, nicknamed Opportunity ('Oppy'), launched in 2003, cost US$400 million and operated for 15 years. While an impressive achievement, what more could have been done with a sustained human space programme that was focused on Mars? Can the flexibility of an onsite human team justify the undoubtedly higher cost? What is the role of humans and robot probes in the exploration of space?

Our panellists examine the various (dis)advantages of both human and robotic exploration of Luna and Mars.This is a free, ticketed event that must be booked in advance; it is taking place at the Science Gallery Dublin, Pearse Street, Dublin 2.

Noelle Ameijenda PhD (M), *Jeanette Epps*, *Aliette de Bodard*, *Dr Inge Heyer*, *Geoffrey A. Landis*

Thursday

10:00 **Live long and prosper: yoga and meditation for Trekkies (Day 1)**
2021 Workshop 50 minutes CCD: Wicklow Room-5
If you really want to live long and prosper, try yoga. A certified Kundalini Yoga instructor will guide the group through simple movements to warm up the spine and get your creativity flowing, followed by a meditation that incorporates Mr Spock's favourite mudra: the Vulcan salute. This introductory-level class can be done in a chair, or feel free to bring a mat and pillow. Comfortable clothes recommended: red shirts not advised. Sign-ups in advance will be required for this workshop. Engage!

Erin Wilcox

10:00 **Retro Hugos discussion**
2015 Panel 50 minutes CCD: Wicklow Hall-1
The Retro Hugo Awards honour works published after 1939 during a year for which no Hugos were awarded. This year the finalists have been drawn from works published in 1943 which would have been eligible for the 1944 Hugo awards, had they been held. The panel will discuss the finalists and where they fall in the overall history of SFF.

Heidi Lyshol (M), *Robert Silverberg*, *Jukka Särkijärvi*

10:00 **Fanzines now!**
2012 Panel 50 minutes CCD: Wicklow Hall 2B
Fanzines have been a beloved part of fandom for decades, and new ones are still springing up. What are the best new fanzines, and what classic fanzines are still putting out new content? Our panel of creators and enthusiasts discuss the relevance and importance of contemporary fanzines.

Phoebe Wagner (M), *Greg Hullender*, *John Coxon*, *Philippa Ryder*, *Joe Siclari*

10:30 **'The Raksura Colony Tree': a community art project 1**
2036 Workshop 50 minutes Point Square: Warehouse Art Demo Area
'The Raksura Colony Tree' is a community art project for Dublin 2019, celebrating the worldbuilding in Martha Wells's Books of the Raksura series by creating part of a colony tree in fibre and thread. A lot of fibre arts lend themselves well to creating organic forms: trees, bushes, lianas, grass, and lots more.Come by to find out more about the project, and help us to make an awesome model! All kinds of fibre crafts are welcome; whether you knit, crochet, embroider, tat… we've got lots of materials and pattern ideas. Take a peek at what we've already got at raksuracolonytree.home.blog

Constanze Hofmann (M)

10:30 **Billy O'Shea book launch: Kingdom of Clockwork (Chinese translation)**
2033 Book launch 60 minutes Point Square: Warehouse 2 - Performance space
The Irish/Danish steampunk trilogy Kingdom of Clockwork by Billy O'Shea has enjoyed success as a paperback, audiobook, and ebook. The Chinese translation of the first book in the series will be presented on Thursday 15 August (10:30-11:30), in Warehouse 2 (WH2) on the 1st floor at Point Square. We will be serving light refreshments. A book trailer may be seen on YouTube.

11:00 **Invasion and the Irish imagination**
2042 Panel 50 minutes CCD: Wicklow Hall 2B
The history and culture of Ireland have been shaped by invasion, from the mythologisation of *Lebor Gabála Érenn* ('The Book of Invasions'), set down in the 11th century, to the arrival of the Normans and English in subsequent centuries. How has Irish fantastic literature engaged with this history? How is it similar to, or different from, other post-colonial fantastic literatures? And how do contemporary Irish SF writers tackle invasion and its aftermath in their work?
Ruth Frances Long (M), *Jo Zebedee*, *Ian McDonald*, *Dr Jack Fennell*, *Peadar Ó Guilín*

11:00 **Crime and punishment in the age of superheroes**
2039 Panel 50 minutes CCD: Liffey Hall-2
Superhero TV shows repeatedly borrow the structures and tropes of cop shows, with many superheroes being 'Cowboy Cops' – operating according to the Rule of Cool with a sketchy adherence to notions of due process and civil rights. Can these hybrid narratives really acknowledge the ways in which real law enforcement is tangled up with race, class, and so on, and what do they reveal about attitudes to contemporary policing?
Chris M. Barkley (M), *Rachel Coleman*, *Dan Moren*, *Aliette de Bodard*

11:00 **Taking accurate body measurements**
2060 Workshop 80 minutes CCD: Wicklow Room-5
Accurate, up-to-date measurements are the cornerstone of well-fitting clothing. Learn how to properly take measurements, get your own, and find out which ones are vital and which are a good idea. We will be taking each other's measurements. Wear comfortable, but not baggy clothing. Some tape measures will be provided, but you are encouraged to bring your own. Participation is NOT required.
Jennifer Skwarski (M), *Karen McWilliams*

11:00 **LitRPG, GameLit and isekai**
2057 Panel 50 minutes CCD: Wicklow Room-4
What is LitRPG? How does it differ from GameLit and isekai? Join our panel of authors and fans for an in-depth discussion of literature that uses the language and structure of video games.
Likhain (M), *Conor Kostick*, *Joseph Malik*

11:00 **Romancing the undead**
2066 Panel 50 minutes CCD: Liffey Room-2
Vampires have long been the undead creatures of choice for paranormal romance, but how about other things that go 'bump' in the night? What has led to the popularity of vampires over other undead creatures?
Chelsea Mueller (M), *Annie Bellet*, *Maquel A. Jacob*, *PRK*

11:00 **Ruins, curses, and family secrets: the Gothic**
2054 Panel 50 minutes CCD: Wicklow Room-3
Where does the Gothic fit into the overall horror tradition? What elements of the Gothic remain so compelling today, and why? Panellists discuss the genre from its roots to Southern Gothic and other modern interpretations.
Dr Tracy Fahey (M), *Eden Royce*, *F. Brett Cox*, *Dr Theodora Goss*

11:00 **Writing from non-western cultures**
2045 Panel 50 minutes CCD: Wicklow Hall-1
The number of non-western novels and stories in SFF has increased over the last 20 years, as has visibility of existing fiction. Our panel looks at some of these novels, discussing favourites and sharing recommendations. We'll take a look at how the novels are written, as well as the differences in story patterns, characters, and narrative styles. Let's celebrate these novels and look at ways to further expand the publishing of non-western cultures within SFF literature.
Yasser Bahjatt (M), *Tasha Suri*, *Rafeeat Aliyu*, *Vida Cruz*

11:00 **Convention tour – Thursday**
2072 Docent 50 minutes Other: Miscellaneous - Onsite
Welcome to Dublin 2019, an Irish Worldcon! Our convention tour leaders are here to help introduce you to the convention, show you where everything is, and make some suggestions of things you shouldn't miss. Highly recommended for anyone who hasn't attended a Worldcon before.The tour will start by the Registration area.
Leane Verhulst

11:00 **Fan funds around the world**
2048 Panel 50 minutes CCD: Wicklow Room-1
Fan funds such as TAFF and GUFF help fans to travel across the globe to experience conventions they might not otherwise get to. How do fan funds work, what happens when you win one, and how do you remember everything that happened on your trip so that you can report back? Past delegates talk about their experiences and why you should support the funds.
Anna Raftery (M), *Marcin "Alqua" Klak*, *Regina Kanyu Wang*, *Alan Stewart*, *Simon Litten*

11:00 **Is it about a bicycle? The influences of a comedic genius**
2051 Panel 50 minutes CCD: Wicklow Room-2
Flann O'Brien's *The Third Policeman* is a significant and well-loved novel, especially in Ireland. (One of its central characters, de Selby, has become a cult hero. Cited as Alan Moore's favourite book, its prodigious footnoting was a major influence on Robert Rankin.) Yet it was initially rejected by publishers and finally issued only after the author's death. See what our panel make of this!
Nigel Quinlan (M), *Jenna Maguire*, *Pádraig Ó Méalóid*, *Nicholas Whyte*, *Mr Frank McNally*

11:00 ***High Stakes***
2063 Play 60 minutes CCD: Wicklow Hall 2A
Pete (the Cardinal) Cox – previously poet-in-residence of The Dracula Society – is bringing his 'spooken word' show *High Stakes* to Worldcon! In this one-man show he explores the fears we all have – be they mortgages or vampires – delving into the darkest depths of human existence, and then awarding prizes for the best shoes in the audience (with some reminiscences, aided by puppets, along the way).
Mr Peter Cox (M)

11:30 **The popularity of anti-heroes in comics**
2084 Panel 50 minutes Point Square: Odeon 3
Deadpool, Harley Quinn, the Punisher, Ghost Rider: in many ways they are evil individuals – hardly what we would call heroes! And yet they are some of the most popular and interesting comics characters around. Are they better-written characters (and if so, why)? Do readers, and creators, need a counterpoint to all the feats of noble heroism to which action heroes are typically inspired?
RJ Barker (M), *Michael Carroll*, *CE Murphy*, *Helena Nash*

11:30 **So long, and thanks for all the fish**
2087 Panel 50 minutes Point Square: Odeon 2
Like the dolphins of *Hitchhiker's Guide*, nonhuman life can communicate with humans in numerous ways including non-verbal interactions, signalling, and even parasitism. Panellists from diverse fields of research discuss the oddness of life and the strange ways the natural world talks to us.
Dr Claire McCague (M), *Lionel Davoust*, *Linnea Sternefält*, *Becky Chambers*

11:30 **Introduction to working with leather**
2081 Talk 50 minutes Point Square: Odeon 4
Come and hear about the basics of working with leather. Types of leather and their uses, basic tools, techniques, dying, cutting, and decorating will all be discussed.
Mr Ingvar Mattsson (M)

11:30 **Maeve Clancy installation talk**
2078 Docent 60 minutes Point Square: Maeve Clancy Installation
Featured Artist Maeve Clancy usually works with story, drawing, and paper cut-outs. These are displayed in a variety of ways and often in a self-created contained space. Maeve likes to have her audience leave the world they inhabit every day and view the work in a place of her own creation. She will discuss both these past works and the new work created especially for Dublin 2019, an Irish Worldcon.
Maeve Clancy

11:30 **Pulsars**
2093 Presentation 50 minutes Point Square: Odeon 1
In 1967 a radio signal from space was detected at Mullard Radio Astronomy Observatory. It was so regular that it was nicknamed LGM – 'Little Green Man'. What was the origin of this mysterious signal? How better to find out than from the person who made the discovery? Professor Jocelyn Bell Burnell will speak about pulsars and their massive importance to modern astrophysics.
Prof Jocelyn Bell Burnell

11:30 **Worlds**
2090 Academic 50 minutes Point Square: Odeon 6 (Academic)
1. Dr Sara L. Uckelman – 'Names: Form & Function in Worldbuilding & Conlangs'2. Andrew Richardson – 'Civilisation and Science Fiction' 3. Dr Kevin Koidl – 'Trust and the Future of Social Media'

12:00 **A musical history of Swedish fandom**
2120 Presentation 50 minutes CCD: Wicklow Room-4
A short overview of the history of Swedish fandom from the 1950s to today, illustrated using the music that the fans made. Music will be in Swedish and English.
Karl-Johan Norén (M)

12:00 **Writing robot and nonhuman intelligence**
2105 Panel 50 minutes CCD: Wicklow Hall-1
Robots talk in a metallic voice, speak in a staccato rhythm, and walk in awkward movements. Right? That may have been true in the 1950s, but robots have evolved. So what does it mean today to be a robot? How have they changed over the years and how might they change still? How do we write one in a convincing way, and can we apply these same ideas to writing other nonhuman intelligences?
Martha Wells (M), *Charles Stross*, *Christopher Husberg*, *Mika Koverola*

12:00 **Holding out for a hero?**
2129 Panel 50 minutes CCD: Liffey Room-2
Every story needs a hero, a protagonist, someone for the audience to root for. Or do they? Do we really need heroes in science fiction and fantasy, or is it possible to write SFF without one? If an evil plot happens in a forest and there is no one there to save the day, will a publisher buy the novel rights? The panel will explore the concept of the hero in SFF.
F. D. Lee (M), *Kim ten Tusscher*, *Mari Kotani*, *Hal Duncan*, *Nancy Kress*

12:00 **Introduction to steampunk**
2102 Panel 50 minutes CCD: Wicklow Hall 2B
Steampunk is a subgenre of SF influenced by the technology and aesthetics of 19th century steam-powered machinery. Stories are often set in an alternative history of the 19th century but can also be about future or fantasy worlds in which steam power plays a large role in society. There is a wide range of steampunk literature, art, and fashion, and this panel will serve as an introductory overview of steampunk as a whole.
Laura Anne Gilman (M), *Dr Takayuki Tatsumi*, *Rie Sheridan Rose*, *J.S. Meresmaa*

12:00 **When scientists write science fiction**
2108 Panel 50 minutes CCD: ECOCEM Room
Write what you know. That bit of advice has been handed down to new writers with great regularity, but what does it mean for writers whose day jobs are in the science and technology fields? What advantages or challenges do they face when writing with a science background? What does it take to walk in both worlds?
Dr Douglas Van Belle (M), *Kali Wallace*, *Alisa Hellstrom*, *Dr David L Clements*

12:00 **VR and AR: the future of gaming or a fad?**
2111 Panel 50 minutes CCD: Wicklow Room-1
In 2015 the gaming industry was abuzz with the potential of both virtual and augmented reality. However, the expected explosive growth of these technologies did not happen. This panel will discuss the potential of these exciting technologies and whether or not they will ever achieve the potential people believed they would have a few short years ago.
Tom Toner (M), *Kevin Elliott*, *Rebecca Gomez Farrell*, *Prof Dave Lewis*

12:00 **Writing villains in YA literature who defy expectation**
2114 Panel 50 minutes CCD: Wicklow Room-2
In YA fiction, the bad guys used to be easy to spot in their metaphorical black hats and handlebar moustaches. What does the revamped 'villain' archetype mean for our young heroes? How does it affect the story and the other characters? How might this more nuanced sense of good and bad play out as young adult fiction continues to evolve?
Fonda Lee (M), *Holly Black*, *Sandra Kasturi*, *Eoin Colfer*, *Michael Scott*

12:00 **Welcome to Worldcon**
2117 Panel 50 minutes CCD: Wicklow Room-3
Just what is a Worldcon anyway and what's the best way to enjoy one? Our panel of experienced Worldcon-goers talk about what makes Worldcons special, what you can expect as a first-timer, and how to make the most of your Worldcon experience.
Gay Haldeman (M), *Carolina Gomez Lagerlöf*, *Christine A Doyle MD*, *Scott Edelman*, *Mary Burns*

12:00 **Liking problematic things**
2099 Panel 50 minutes CCD: Liffey Hall-2
What happens when you find out that something you really love is sexist, racist, homophobic, ableist, or similarly problematic – or that a performer, director, or producer whose work you liked a lot is not who you thought they were? Can you still enjoy problematic creations? How do you reconcile your enjoyment with your values? Our panellists have felt your pain and have some tips to share.
Sarah Gulde (M), *Leo Adams*, *A. T. Greenblatt*, *Sam Hawke*

12:00 **Reading: James Patrick Kelly**
2126 Reading 20 minutes CCD: Liffey Room-3
James Patrick Kelly

12:00 **B Cubed Press book launch**
2135 Book launch 60 minutes Point Square: Warehouse 2 - Performance space
Join B Cubed Press, publisher of the best selling 'Alternatives' series as they launch the newest: *Alternative Apocalypse*. This vision of the Apocalypse features writers from all over the world including Nigeria, Australia, New Zealand, Canada, England, Texas, United States, and other parts not named. There will be light refreshments, autographing, giveaways, a few wands for the kids to decorate, and a general meet and greet. Looking forward to seeing you.
Bob Brown

12:00 **Concert: Andrew Ross**
2123 Concert 50 minutes CCD: Wicklow Hall 2A
Andrew Ross (also known as "Miles Vorkosigan" on Facebook, "Admiral Wordsmith" in general fandom, and "Juniper Coeur de Lapin" in the SCA) is a person of several identities who was dragged to a filksing in 1997 by an over-enthusiastic friend, and found the first members of his adopted family in fandom. Today, his songs tend to focus on various media plots, political rants, and true stories from legal situations too crazy to make up. He occasionally performs with a geek band called Possible Side Effects.

12:30 **A million miles beyond midnight**
2159 Presentation 50 minutes Point Square: Odeon 2
The James Webb Space Telescope will be the next big space telescope. Named for a former NASA administrator, it is slated for launch in 2021. Its 6.5 metre diameter mirror, orbiting the Sun-Earth L2 point 1.5 million kilometres from here, is designed to give astronomers superb capabilities for exploring the infrared universe. Canada, the European Space Agency, and NASA cooperated to create it. Bill Higgins reviews the Webb's design and the astronomical phenomena it will examine.
Bill Higgins

12:30 **How to build an evil empire**
2165 Panel 50 minutes Point Square: Odeon 1
So you want to build an Evil Empire? Using examples from film and literature, our panel of evil geniuses will help you avoid the pitfalls of previous empires with handy hints and tips, such as: don't build an exhaust port that can set off a chain reaction leading to the reactor, which will destroy your brand new Death Star.
Lee Harris (M), *Diane Duane*, *Verity Allan*, *Steve Jackson*, *Rebecca Roanhorse*

12:30 **What science is and is not**
2150 Talk 50 minutes Point Square: Odeon 5
What most people, including most scientists, think about how science works is wrong, or at least incomplete. Dr Scheiner will discuss how science and scientists really work and which science fiction stories present this best.
Sam Scheiner

12:30 **Sharing the Squee! *That time I got reincarnated as a slime***
2138 Fan Chat 50 minutes CCD: Wicklow Room-5
After being stabbed, Satoru Mikami thought that that was the end of the line for him but lo and behold, he suddenly found himself reincarnated as a lowly slime monster in another world! Donning the new name Rimuru Tempest, he set out into this new world. In a genre that is currently so oversaturated, how did the story of Rimuru manage to stand out?
Legendgerry (M)

12:30 **Finishing touches: wigs**
2153 Talk 50 minutes Point Square: Odeon 4
Whether you want to change your hair colour or hairstyle, a wig is a simple way to get the look you want without a long-term commitment or violating your workplace dress code. Our panellists will talk about materials, prices, choosing the right wig for your needs, wearing, and basic care and feeding.
Tiariia Tamminen (M)

12:30 **Illustration in an ordinary world**
2156 Panel 50 minutes Point Square: Odeon 3
Superheroes,dragons and spaceships are what kids often dream of drawing, but whatdo most illustrators actually get paid to draw? We look at lifeoutside SFF, and how it can all feed back into better fantasy art.
Kaja Foglio, *Oisin McGann*, *Rob Carlos*

12:30 **Pasts and futures**
2162 Academic 50 minutes Point Square: Odeon 6
(Academic)
1. Nora E. Derrington – '*Kindred* and *Watchtower*: Looking to the Past to Envision a Better Future'2. Eliza Bentley – 'Genred Pasts: Metageneric Time Travel'

12:30 **Geek! presented by the Socratic Theatre Collective**
2144 Play 75 minutes CCD: Liffey-B (Second Stage)
It's Dante's Fire Con! Danya and Honey need to fight their way through a steampunk army, devil cats, a psychic wannabe-boyfriend, and the absence of Honey's sister to meet their hero: the one, the only, Samagashi! A love letter to geeks of all stripes, *Geek!* celebrates the power of fandom, conventions, and cosplay to forge connections and bring fantasy to life. This amateur production of *Geek!* is presented by special arrangement with SAMUEL FRENCH LTD, a Concord Theatricals Company.
Liz Bragg (M), *Michael Lake*, *Madryn McCabe*, *Sarah Kriger*, *Jackie Mahoney*, *Amanda O'Halloran*, *Amy Flood*

13:00 **DC: TV vs film**
2171 Panel 50 minutes CCD: Wicklow Hall 2B
In contrast to Marvel's attempts to create a unified cinematic universe, DC have embraced variety – at least to the extent of having two universes rather than one. On the silver screen, the Justice League are mostly portentous, highly stylised, demi-gods; on TV, the Arrowverse explores more YA-ish, human-scale stories. What are the strengths and weaknesses of each of DC's approaches? What, if anything, could each learn from the other?
John Coxon (M), *Dan Moren*, *Mari Ness*, *Ginjer Buchanan*, *Simon R Green*

13:00 **Non-English language SFF television**
2183 Panel 50 minutes CCD: Wicklow Room-2
Interest in TV from different countries is increasing. There are many good SFF TV shows produced in non-English speaking countries, and they are getting easier to find. The panel discusses their favourites and what makes them worthwhile to watch.
Claudia Fusco (M), *Harun Šiljak*, *Cora Buhlert*, *Lionel Davoust*, *J. Sharpe*

13:00 **If you like this then you'll like that**
2168 Panel 50 minutes CCD: Liffey Hall-2
Have you exhausted the backlist of your favourite author? Do you yearn for something that holds the same appeal? Then this is the panel for you! Join our merry band of panellists as they recommend new SFF titles similar in themes or style to popular authors and works of years past.
Leah Bobet (M), *Brianne Reeves*, *Gary K Wolfe*, *Chelsea Mueller*

13:00 **YA in translation**
2195 Panel 50 minutes CCD: Liffey Room-2
What does YA look like in other languages, and other cultures? Does YA have a different structure, definition, or age range in different regions? What are the challenges of translating stories, situations, and even slang between languages? What special challenges might different cultures present, and are YA readers seeking out those differences?
Magdalena Hai (M), *Marianna "Kisu" Leikomaa*, *Gili Bar-Hillel*, *Taiyo Fujii*

13:00 **Introduction to *Dungeons & Dragons***
2186 Workshop 50 minutes CCD: Wicklow Room-3
This workshop will focus on introducing attendees to the core rules of *Dungeons & Dragons* (5th Edition). In addition to learning the rules, each attendee will create their own character which they will then be able to use to play *Dungeons & Dragons* introductory games held throughout the convention.
Gregor Hutton

13:00 **Understanding convention culture: the importance of data**
2189 Presentation 50 minutes CCD: Wicklow Room-4
The Worldcon has a rich history and tradition, but we remain ignorant about many aspects. Information that would help us understand the importance of programming is lacking and other data (e.g. ethnic background or gender) can foster discrimination as well as diversity and access. Open discussion of the importance of good data is needed to assure the relevance and growth of Worldcons.
Jennifer Zwahr-Castro

13:00 **Evolution of fanzines**
2180 Panel 50 minutes CCD: Wicklow Room-1
Fanzines have a long history and are some of the original forms of fanac. How did they get started? Was there a golden age of fanzines? How have they changed over the decades – and where do we think they will go, as technology continues to influence and change the way fans communicate with each other?
Edie Stern (M), *Geri Sullivan*, *Jerry Kaufman*, *Bill Burns*, *Sandra Bond*

13:00 **What's good about being bad**
2198 Children's Programme 50 minutes Spencer Hotel: Columba 2
A panel discussion by children for children. What makes Darth Vader so cool? Who's your favourite bad guy and why? Come and listen to a panel made up of children like you and share your thoughts with your friends.
John Nisbet

13:00 **Ear wyrms**
2174 Presentation 50 minutes CCD: Wicklow Hall-1
Why does so much science fiction and fantasy film or TV music sound the same? Zoë Sumra discusses western music history up to the late Romantic era and its relation to modern day SFF scores, including leitmotif, musical nationalism, and the John Williams Plagiarism Quiz.
Zoë Sumra (M)

13:00 **Concert: Ju Honisch**
2192 Concert 50 minutes CCD: Wicklow Hall 2A
Ju Honisch holds a degree in history, English language and literature. For a while she lived in Ireland. She writes novels, short stories and songs. Two of her books received literary awards: the Deutscher Phantastik Preis (German speculative fiction award) for *Das Obsidianherz* ('Obsidian Hearts') and the Seraph Award for *Schwingen aus Stein* ('Wings of Stone'). Her filk songs also received awards: two SAMS and two Pegasus Awards. Ju's ballads tell stories and comment life situations. She sees herself in the tradition of the Shannachies (seanchaí).
Ju Honisch

13:00 **Reading: Jo Walton**
2177 Reading 50 minutes CCD: ECOCEM Room
Jo Walton

13:30 **Beginning voice for non-singers**
2204 Workshop 50 minutes Point Square: Warehouse 2 - Performance space
Never had a voice lesson? Come and learn some of the basics, starting with how and why singers breathe differently, and including visualisation, projection, and diction. Sign-ups in advance will be required for this workshop (limited to 15 people).
Mark Bernstein

13:30 **Star Wars Episode IX: *The Rise of Skywalker***
2225 Panel 50 minutes Point Square: Odeon 1
This latest instalment is rumoured to be the end of the Skywalker saga; what does the subtitle imply? Will Rey turn out to be a Skywalker, despite what Kylo said? Can Sith now be force ghosts, or will Palpatine make his appearance in some other (non-aural) form? Our crack panellists have fun speculating on what will take place, how much of Episode 8 will be retained and what will be retconned.
Nikki Ebright (M), *Dr Liz Bourke* (M), *Jackie Kamlot*, *Gabriel Petersen*

13:30 **Horticulture in extreme environments**
2216 Panel 50 minutes Point Square: Odeon 3
How do we sustain horticulture in extreme places like alien planets or on Earth after a massively devastating event? How do we grow and cultivate food in areas that are hostile to us… or that need extra care and preparation to succeed? And, to put a literary spin on it, how do you write it convincingly if your story is set in such a place?
Theresa Storey (M), *Ian McDonald*, *Dr Helen Pennington*, *Paolo Bacigalupi*

13:30 **Throwing Grandma Out The Airlock**
2213 Talk 50 minutes Point Square: Odeon 5
Old women fill support roles in fantasy, ranging from fairy godmothers to the wise old crone. But when it comes to science fiction, the tropes shift dramatically from crazy cat ladies and hip grandmas to elder babes and body snatchers. Does immortality always begin before wrinkles appear? Are there any lesbians over 50? These and other pressing issues will be considered in this entertaining presentation covering one hundred years of old women in science fiction.
Ms Sylvia Spruck Wrigley

13:30 **Ways of tea**
2207 Workshop 50 minutes Point Square: Warehouse Art Demo Area
A demonstration of different ways of taking tea around the world. Sign-ups in advance will be required for this workshop (limited to 10 people).
Stephen Nelson

13:30 **Smartphone photography workshop**
2201 Workshop 50 minutes CCD: Wicklow Room-5
For most of us, the best camera we own goes everywhere with us; it's a versatile and adaptable, if often overlooked, item in the toolbox. Come and find out how to use your smartphone to capture stunning images every day! Sign-ups in advance will be required for this workshop.
Chad Dixon

13:30 **Murals for Hollywood**
2219 Panel 50 minutes Point Square: Odeon 2
Our panellists talk about the different large-scale art that they've created for film. From commercial blockbusters to independent films, they've painted the range.
Maeve Clancy, *Bridget Duffy-Thorn*, *Afua Richardson*

13:30 **Understanding the WSFS Business Meeting**
2210 Meeting 50 minutes Point Square: Alhambra
If you're new to Worldcons and want to understand the WSFS Business Meeting, stop by to listen and learn.
Jesi Lipp (M), *Alex Acks*

13:30 **Ships and colonies**
2222 Academic 50 minutes Point Square: Odeon 6 (Academic)
1. Rachel Moloney – 'Space Travel, Electric Propulsion, and Sci-Fi'2. G. David Nordley – 'Interstellar Commerce: A Relativistic View'3. Dr Kelly C. Smith – 'Are Human Colonies in Space Moral?'

14:00 **Introduction to Irish SFF**
2234 Panel 50 minutes CCD: Wicklow Hall-1
This panel is the ideal starting place for anyone unfamiliar with Irish SFF. There will be a brief overview of the genre as a whole and how it relates to Irish culture and history, as well as reading recommendations. Later in the convention there will be panels covering the topic in more detail from a variety of viewpoints.
Nick Larter (M), *Dr Máire Brophy*, *Dr Jack Fennell*, *Ruth Frances Long*

14:00 **Sports in science fiction and fantasy**
2276 Panel 50 minutes CCD: Liffey Room-3
Qidditch, rollerball, Shon'ai, jousting, and more! SFF is full of sports that tap into our love of physical competition. What are some of our favourite fictional sports? What do we love about these sports? Moreover, when creating a new fictional sport, how do you go about designing the game and making the rules simple enough for a reader to follow? Come along and get your game on!
Neil Williamson (M), *Chris M. Barkley*, *Rick Wilber*, *Fonda Lee*

14:00 **Wild Cards: Wild West Trivia**
2282 Event 80 minutes CCD: Liffey-B (Second Stage)
The Wild Cards superhero series encompasses anthologies, mosaic novels, and solo novels, written by over forty authors across more than thirty years. George R. R. Martin and three teams of Wild Cards authors embark on an epic Wild West Trivia contest. Who knows what will happen?
George R.R. Martin (M), *Mary Anne Mohanraj*, *Carrie Vaughn*, *Paul Cornell*, *Charles Stross*, *Peadar Ó Guilín*

14:00 **Disasters and apocalyptic world changes**
2267 Panel 50 minutes CCD: Wicklow Room-3
Climate change, asteroid strikes, grey goo, pandemics… Our panellists will examine these and other disasters from the scientific viewpoint and discuss why and how they are often used as themes within SF.
Anna Gryaznova LL.M. (M), *Faith Hunter*, *Juliana Rew*, *Dr Tad Daley*

14:00 **Dragons and debutantes: fantasy set in the Regency**
2261 Panel 50 minutes CCD: Wicklow Room-1
The Regency period in the UK, the time of the Napoleonic wars in most of Europe, has long been a rich source of inspiration for fantasy novels – including Naomi Novik's Temeraire series and Susanna Clarke's *Jonathan Strange and Mr Norrell*. How has the Regency been used as an inspiration for fantasy writing? Why does this period in particular have such an abiding appeal?
Mary Robinette Kowal (M), *Heather Rose Jones*, *Zen Cho*, *Susan de Guardiola*

14:00 **Fuzzy lines: decategorising creative work**
2279 Panel 50 minutes CCD: Liffey Room-2
Authors write blogs, fanzines go online, publishers create fanzine-like websites, fancasts publish fiction, YouTube videos offer original dramatic performances. Is a fan artist defined by economics or by context, and what exactly constitutes a series anyway? How do we define the categories into which our creative outputs fall, and must every project fit into a category?
Mur Lafferty (M), *Ilana Galadriel BAT*, *Leticia Lara*, *Thomas Wagner*

14:00 **A portable kind of magic: why we love books-about-books**
2273 Panel 50 minutes CCD: Liffey Room-1
Whether it's a library of every book ever written, a compendium of magical creatures, or ahitchhiker's guide to the universe, we've always loved a good story-about-a-story. What is behind our fascination with books and libraries, and why does it translate so well to SFF? How does the history of book-making connect to our myths and legends, and what shape will our meta-stories take in the future?
Genevieve Cogman (M), *A.J. Hackwith*, *Tasha Suri*, *Miriam Weinberg*

14:00 **Gender in anime and manga**
2231 Presentation 50 minutes CCD: Wicklow Hall 2B
The evolution of women's manga (shoujo and jousei) and their effects on men's manga (shounen and seinen).
Ada Palmer

14:00 **Igniting the STEM literary movement**
2228 Panel 50 minutes CCD: Liffey Hall-2
There's a growing focus in education on bringing more science, technology, engineering, and mathematics (STEM) literature into the classroom. So how do we hook younger readers, and how can literature help to build interest in STEM subjects? Participants share their ideas and invite suggestions from the audience.
Eric Picholle (M), *Dr Wanda Kurtçu*, *Hanne-Madeleine (Iro) Gates Paine*, *Dr Oisin Creaner*

14:00 **Franchise characters**
2264 Panel 50 minutes CCD: Wicklow Room-2
Marvel characters are often mentioned in other MCU films, reminding us of their shared universe; DC TV shows have annual crossover events. How have these franchises – and others such as Star Trek – taken advantage of their epic canvasses to deepen characterisation? Are the in-universe reputations of some characters used to challenge our understanding of them rather than reinforce it?
D.A Lascelles (M), *Scott Edelman*, *F. D. Lee*, *Roz Kaveney*, *Keith Byrne*

14:00 **Spaceship building competition: recyclables**
2285 Children's Programme 50 minutes Spencer Hotel: Columba 1
What kind of spaceship can you build in an hour out of recycled materials? We'll have all the materials you need, and there'll be help on hand so you can develop your creation. There will be three age categories: 4-6, 7-9 and 10-12. Children must come up with the design themselves but can be assisted by a parent or guardian. Note: you do not need to enter the competition to take part in this event.
Scott Lefton

14:00 **Kaffeeklatsch: GoH Prof Jocelyn Bell Burnell**
2240 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Prof Jocelyn Bell Burnell

14:00 **Reading: Aliette de Bodard**
2258 Reading 20 minutes CCD: ECOCEM Room
Aliette de Bodard

14:00 **Kaffeeklatsch: John Scalzi**
2243 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
John Scalzi

14:00 **Kaffeeklatsch: Alan Smale**
2246 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Alan Smale

14:00 **Kaffeeklatsch: Bella Pagan**
2249 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Bella Pagan

14:00 **Kaffeeklatsch: Molly Ker Hawn**
2252 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Molly Ker Hawn

14:00 **Autographs: Thursday at 14:00**
2237 Autographing 50 minutes CCD: Level 4 Foyer
Lisa Tuttle, *Marc Stiegler*, *Marina J. Lostetter*, *Dr Sarah Tolmie*, *Veronica Roth*

14:00 **Kaffeeklatsch: Natasha Bardon**
2255 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Natasha Bardon

14:00 **Concert: Lynn Gold**
2270 Concert 50 minutes CCD: Wicklow Hall 2A
Lynn Gold has been writing and performing filk and funny music for longer than she likes to publicly admit. She has also run music tracks for many cons, has been a Fan GOH at Loscon, Featured Filker at Leprecon, Interfilk Guest at Conterpoint, Toastmaster at Consonance, and is Chair of Consonance 2020. By day, she's a Senior Technical Writer at MarkLogic in San Carlos, California, USA. Lynn lives in Mountain View, CA, USA with her Bichon Frise, Grace (as in "Hopper").

14:30 **Comic creators' tools**
2309 Panel 50 minutes Point Square: Odeon 2
Does the artist choose the tool or the tool choose the artist? Many artists are making the shift to digital, partly due to the increased pace of deadlines but also in large part to the additional freedom that the 'undo' button allows. The downside is the lack of a physical 'original' to sell, and some artists just prefer the physical interaction between brush and canvas, pen and paper. How do we discover what works best for each artist, and is there a clear advantage to one over the other?
Oisin McGann (M), *Sana Takeda*, *Lee Moyer*, *Charles Vess*

14:30 **Our changing views of humanity in space**
2300 Panel 50 minutes Point Square: Odeon 5
Ideas like colonisation are losing ground as humans develop more inclusive views of our future in space. Panellists will discuss changing views of space exploration and the expansion of our species to other worlds. Who gets to name planets? In what ways will we protect new worlds against contamination or resource exploitation? How can we ensure a vision of space that is relevant to everyone?
Dr. JA Grier (M), *Dr Laura Woodney*, *Russ Colson*, *Dr V Anne Smith*

14:30 **Science, religion, and the art of storytelling**
2303 Talk 50 minutes Point Square: Odeon 4
What do astronomy, religion, and science fiction have in common? They are all interested in the big questions; and they also all depend on the art of storytelling to present their strange and wonderful ideas in ways that people can understand, appreciate, and evaluate. We'll examine why stories are fundamental to our understanding of religion; when being a good storyteller is essential in doing science; and how the way we tell these stories influences how we think about the big ideas.
Brother Guy Consolmagno

14:30 **The Sapphic renaissance**
2306 Panel 50 minutes Point Square: Odeon 3
With *Killing Eve* making waves at the awards, shows like *Orphan Black* and *Killjoys* featuring prominent f/f love stories, and books like Aliette de Bodard's *The Vanisher's Palace* and Samantha Shannon's *The Priory of the Orange Tree* centering on wlw, are we in a golden age for the representation of queer women in SFF?
Kelly Robson (M), *Tamsyn Muir*, *Lindsay Ellis*, *Freya Marske*

14:30 **AI and the myth of singularity**
2315 Panel 50 minutes Point Square: Odeon 1
In his 2017 keynote at the 34th CCC ('Dude, You Broke The Future') author Charles Stross argues that AIs have lived amongst us for centuries, and that to predict our post-Singularity future we must look to the old, slow ancestral AIs: corporations. To what extent is the 'artificial intelligence' of H.A.L. and GLaDOS the wrong thing to be afraid of? Where can modern science fiction turn when it envisions AI in today's world of machine-learning and neural networks?
Klaus Æ. Mogensen (M), *Lettie Prell*, *Hadas Sloin*, *Martha Wells*

14:30 **Developing masquerade presentations**
2297 Panel 50 minutes Point Square: Alhambra
You want to compete in the masquerade. That's great! Now you need a stage presentation… Where and how do you start? What should you do? What about music? How do you handle stage fright? It's all too overwhelming! Never fear. Our experienced panellists come to the rescue with suggestions and hints to make your presentation the best it can be, from the simple to the sublime.
MIKI (M), *Carole Parker*, *Jaine Fenn*

14:30 **Utopias**
2312 Academic 50 minutes Point Square: Odeon 6 (Academic)
1. Ruth EJ Booth – 'Superhero Adaptation in Gaiman's *American Gods*'2. Tom Moylan – 'Cognitive (Re)Mapping in *Notes from a Coma*'

14:30 ***P/Faerie Tale* – pop up #1**
2294 Play 50 minutes Point Square: Warehouse 2 - Performance space
P/Faerie is a new movement play. 'F' is not in the Philippine alphabet; 'ae' is in the Gaelic alphabet. Putting a slash between two letters can make a word exclusive or inclusive. Putting a wall between any nations – say, the land of Faerie and the mortal realm – could arguably also be exclusive or inclusive. Depends which side you're on. This Saturday, 17 August, will be the first – albeit truncated – version of this play ever seen onstage (it has only existed in staged readings at Capricon and was originally created as a short for the Solstice Arts Centre in Co. Meath). Though we have the costumes, the puppets, the props, the people… we'd like the audience to help us decide which 'side' these elements fall on. Are they Diwata? Are they Sidhe? Are they mortal? We have some idea but we'd like you to participate in the final say.

Therefore, please join us on **Thursday 15 August** for a 30-minute discussion of the Diwata, faeries of the Philippines. Help us to decide if what we're planning to put onstage on Saturday really represents what we tell you about the Diwata. After all, who wouldn't wanna talk about Diwata?

On **Friday 16 August**, join us for a 30-minute discussion of the Sidhe, faeries of Ireland. The playwright admits that, even though she received her doctorate in Theatre History from TCD, she's not Irish; she really wouldn't want to claim authority on this, so please help her out here (just be gentle).

And then, on **Saturday 17 August**, join us for the hour-long world premiere of *P/Faerie Tale*.A few weeks before the Worldcon, we will be releasing an audio recording of the first scene of the play, which we will not be performing in Dublin. It's a prequel, which should not be necessary to listen to before the show but which will enhance the events at the convention. About the play: Mara, an Irishwoman, heartily disapproves that her son married her former caregiver, Naomi, a Pilipina. But Naomi needs Mara's help, because the one-year-old child of the union has been abducted by faeries and Naomi cannot battle Irish faeries (Sidhe), having only ever encountered Philippine ones (Diwata). Are P/Family ties stronger than P/Faerie magic, or will the bitter P/Feud between the two women leave a child beyond the pale P/Forever?
Dr Ruth Palileo, *Jonathan East*, *Zack Georgian*, *Ginger Leopoldo*, *Amy Flood*, *Oscar Hernández Rodríguez*, *Niamh Clancy*

14:30 **Reading: Sarah Rees Brennan**
2288 Reading 20 minutes CCD: ECOCEM Room
Sarah Rees Brennan

15:00 **Current politics reflected in SFF**
2348 Panel 50 minutes CCD: ECOCEM Room
SFF is probably the genre that best mirrors present day society. If we examine SFF in both visual media and books, what can we learn about current politics playing out? What might future generations surmise about us?
Dr Harvey O'Brien (M), *Susan Connolly*, *Dr Douglas Van Belle*, *Alec Nevala-Lee*

15:00 **Found in translation: SFF translated works**
2360 Panel 50 minutes CCD: Wicklow Room-4
English is the current lingua franca, making it easy to forget that a lot of genre fiction is translated from other languages. Who are the best authors of translated SFF? Are particular languages more likely to be translated than others? The panel will discuss the status of translated works in the wider context of SFF and which non-English books we should be reading.
Rebecca Gomez Farrell (M), *Jean Bürlesk*, *Umiyuri Katsuyama*, *Andy Dudak*

15:00 **Fantastical travel guide**
2318 Panel 50 minutes CCD: Liffey Hall-2
Do you fancy a trip to a fantasy realm? Want to avoid stumbling into Moria or falling off the edge of the Discworld? Our panel of authors are here to help you by roleplaying as one of their characters and trying to persuade you to travel to their fantasy worlds.
Marianna "Kisu" Leikomaa (M), *Lionel Davoust*, *Melissa Caruso*, *Juliet E McKenna*, *Karolina Fedyk*

15:00 **Cooking the books: food in fantasy**
2351 Panel 50 minutes CCD: Wicklow Room-1
Hobbits had their second breakfast and elves had their lembas. Fantasy books are full of great scenes of food, whether it's elaborate feasts or people desperate to survive foraging for what they can get. How have authors used food to enhance the realities of their fantasy worlds? What does the scarcity or abundance of food tell us about fantasy societies? The panel will discuss their favourite fantasy feasts and how food has been used as a worldbuilding tool in fantasy novels.
Fran Wilde (M), *Ms. Nicole Kimberling*, *Rei Rosenquist*, *Gillian Polack*, *Giovanni De Feo*

15:00 **How to self-publish your roleplaying game**
2357 Talk 50 minutes CCD: Wicklow Room-3
Self-publishing a roleplaying game (RPG) is quite different from fiction. This talk guides you through the steps and tips, including finding artists, developing a good layout, and distribution through RPG-specific channels.
Cathriona Tobin, *Gregor Hutton*

15:00 **Writing for children**
2321 Panel 50 minutes CCD: Wicklow Hall 2B
The process used in writing literature for children is different from those for young adult and adult fiction, as are many of the elements needed. What are those elements? How do authors adjust their style? And how do they avoid the ultimate mistake of talking down to a child?
Amy McCulloch (M), *Molly Ker Hawn*, *Christine Taylor-Butler*, *Delia Sherman*

15:00 **Current trends in South Asian SFF**
2324 Talk 50 minutes CCD: Wicklow Hall-1
A talk on the current trends in South Asian fantasy and science fiction by the Indian novelist, graphic novelist, and journalist Shweta Taneja.
Shweta Taneja

15:00 **Gaming with Steve Jackson – Thursday**
2369 Game 120 minutes CCD: Liffey Hall 1 (Gaming)
Come and play tabletop games with game designer and Guest of Honour Steve Jackson. While everyone is welcome to play games in the Gaming Hall throughout the convention, these sessions guarantee that Steve will be in the room and ready to play!
Steve Jackson

15:00 **Set design: build a giant spaceship**
2378 Children's Programme 50 minutes Spencer Hotel: Columba 1
We're building a giant spaceship out of cardboard, and a blanket fort, in the children's programme area and we need your help! Come and join in decorating and designing the space you'll be using for the weekend, have your say, and add that personal touch. We have the materials; you bring the creativity.
Jeanette Epps, *Sal Roche*, *John Nisbet*

15:00 **Improv theatre games**
2381 Children's Programme 50 minutes Spencer Hotel: Columba 2
Do you like drama and acting, writing and games? Improv teaches you to think quickly and to read people's expressions and body language, and we've organised some fun and exciting games for you to play. This should be a great way to get to know some of the other kids you'll be hanging out with at children's programme.
Susan Weiner

15:00 **Diane Duane: writers' workshop and metaworkshop**
2363 Workshop 170 minutes CCD: Wicklow Room-5
Effective fiction workshopping should involve more than just bare analysis and critique; underlying these necessities should also be strategies for shaping workshop management structures to the unique needs of genre participants. Diane will accompany workshoppers through a three-hour mini-curriculum, including an hour's discussion of the tools and techniques that writers bring to writing in general and the workshopping experience in particular; one hour in active workshopping/critique of selected works submitted by participants, looking at how critique is done as it's done; and one hour in open Q&A about writing in general, and editing/critiquing one's own work and others'. Participants will examine ways to critique responsibly, how to make the best use of workshops, and how to organise their own workshops in future, with an eye to specific genres.
Diane Duane

15:00 **The future of organised fandom**
2354 Panel 50 minutes CCD: Wicklow Room-2
Fandoms and fanac existed long before the internet, but new technology has brought new ways to interact, organise, and celebrate as fans. Our panel discusses these changes, and speculates on what might come next for organised fandom.
Christopher Davis (M), *fromankyra*, *Liekinloimu*, *Gérard Kraus*, *Meg Frank*

15:00 **The evolving and adaptable Worldcon**
2366 Panel 50 minutes CCD: Liffey Room-1
Eighty years of Worldcon history have brought highs and lows, changes and evolution, with no two Worldcons the same. Our panel takes a look at Worldcons past, present, and future.
Kees van Toorn (M), *Gay Haldeman*, *Bill Burns*, *Norman Cates*, *Erle Korshak*

15:00 **Autographs: Thursday at 15:00**
2327 Autographing 50 minutes CCD: Level 4 Foyer
Catriona Ward, *F. Brett Cox*, *Karen Haber*, *J. Sharpe*, *Jay Caselberg*, *Karen Simpson Nikakis*

15:00 **Reading: Holly Black**
2372 Reading 50 minutes CCD: Liffey Room-2
Holly Black

15:00 **Kaffeeklatsch: A.J. Hackwith**
2330 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
A.J. Hackwith

15:00 **Kaffeeklatsch: Annie Bellet**
2333 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Annie Bellet

15:00 **Kaffeeklatsch: Ms Cassie Parkes**
2336 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Ms Cassie Parkes

15:00 **Kaffeeklatsch: Bill Higgins**
2339 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Bill Higgins

15:00 **Kaffeeklatsch: Jeremy Szal**
2342 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Jeremy Szal

15:00 **Kaffeeklatsch: Afua Richardson**
2345 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Afua Richardson

15:30 **How to manage finite natural resources**
2408 Panel 50 minutes Point Square: Odeon 1
The world has finite natural resources, yet we appear to be consuming them as if they were infinite. Political and economic inertia has led us to expend minimal effort in the effective use of our resources, to the detriment of the environment and our species. Our panel will explore what we can do to manage the resources that we have, and whether we can do so to the benefit of all species on this planet.
Vincent Docherty (M), *Sazib Bhuiyan*, *Nigel Quinlan*, *Annalee Newitz*, *Cliona Shakespeare*

15:30 **Model-making or sculpture?**
2390 Panel 50 minutes Point Square: Alhambra
At what point does model-making become sculpture, and who decides? While most models use mass-produced components, many are made from scratch from raw materials. What raises it from a craft to an art form?
Scott Lefton (M), *Edmond Barrett*, *Sara Felix*, *Lincoln Peters*, *Dr. J.S. Fields Ph.D.*

15:30 **William R. Hamilton and the quaternions**
2396 Talk 50 minutes Point Square: Odeon 4
The invention of zero and negative and imaginary numbers required not just mathematical but psychological leaps. Irish mathematician William Rowan Hamilton went even further, inventing the 'quaternions': numbers which exist as four-dimensional objects. We'll see how the quaternions aren't just mathematical trivia but have applications both in relativity and in cutting-edge theories of particle physics.
Dr Edmund Schluessel

15:30 **Revealing the hidden complexity of technology**
2393 Talk 50 minutes Point Square: Odeon 5
We are surrounded by technology that is simple to use and minimal to look at; it's all too easy to forget that this simplicity is a veneer. Behind the cheap plastic boxes, and neat interfaces, of our everyday devices is hidden astounding complexity. Can we create futures without appreciating the present? Take a glimpse at what lies beneath.
Graham Scott

15:30 **Speed crafting – session 1**
2387 Workshop 110 minutes Point Square: Warehouse Art Demo Area
It's like speed dating for handicrafts. Have you ever wanted to try your hand at something new, but haven't managed to take the 'plunge'? We will provide the materials and instructors. Each session will have different handicrafts, and you will try each one. You won't end up with something you can take away, but maybe you'll be inspired. Sign-ups in advance will be required for this workshop (limited to 15 people).Session 1: knitting, crochet, lucet.
Rebecca Hewett (M), *David Demchuk*, *Nina Niskanen*, *Cora Buhlert*

15:30 **My friend, Phil**
2402 Interview 50 minutes Point Square: Odeon 2
About my best friend, Phil – and how I came to do most of the art (cover, posters, logos) for the rock group Thin Lizzy.
Tom Moylan (M), *Jim Fitzpatrick*

15:30 **Decolonising**
2405 Academic 50 minutes Point Square: Odeon 6 (Academic)
1. Natalie Ingram – 'History Through Fantasy's Western Window'2. Professor Fiona Moore – 'Comparing Colonialisms in *The Terror*'3. BE Allatt – 'Questioning Mononormativity: Love, Sex, and Relationships on McDonald's Luna'

15:30 **Techniques: from analogue to digital**
2399 Presentation 50 minutes Point Square: Odeon 3
I chart my move from traditional to digital art, showing old airbrush techniques and comparing them to the state of the art digital work I create now. I will show examples of old painted work right through to concept image and animations from recent movies (*Guardians of the Galaxy*, *Thor: Ragnarok*) that I have worked on.
Fred Gambino

16:00 **'Celtic' fantasy and mythology**
2444 Panel 50 minutes CCD: ECOCEM Room
How much veracity is there in fantasy novels based on the Celts? Certain motifs from Celtic myths are widely adopted, but to what extent do authors adhere to the original legends? Are the tropes surrounding what we consider to be 'Celtic' stronger than the historical realities?
Kathryn Sullivan (M), *Dr Kristina Perez*, *Deirdre Thornton*, *David Cartwright*, *Kerry Buchanan*

16:00 **The intersection of science and public policy**
2447 Panel 50 minutes CCD: Wicklow Room-1
Natural disasters caused by climate change are frequently characterised by scientific uncertainty, social and institutional disruption, and an overall climate of fear and distrust. Policymakers and public health professionals may be forced to weigh and prioritise potentially competing ethical values in the face of severe time and resource constraints. What critical and ethical issues do they face as they work to manage public response to these disasters?
Sam Scheiner (M), *Dr Perrianne Lurie*, *Dr Keren Landsman*, *Heidi Lyshol*

16:00 **Creating podcasts: ideas, people, and themes**
2420 Panel 50 minutes CCD: Wicklow Hall-1
Podcasts are living, breathing conversations that at their best engage the participants and the audience in the free flow of entertaining and enlightening conversation. How do you pull this off? How do you pick the ideas, people, and themes that give the right mix of energy and chemistry? Come and get some clues into how the magic is done from some of the best in the business. (And then go to see our panellists' podcasts over the rest of the convention.)
Deanna Sjolander (M), *Alasdair Stuart*, *Mur Lafferty*, *Lucy Hounsom*, *Jennifer Mace*

16:00 **Finishing touches: jewellery**
2465 Panel 50 minutes CCD: Liffey Room-2
Come and learn about different jewellery-making techniques and tools to be able to create custom pieces for costumes, cosplay, or everyday glamour.
Helen Foster-Turner (M), *Dr. Deb Geisler*, *Jackie Burns*

16:00 **Reviewing books, art, and media**
2417 Panel 50 minutes CCD: Wicklow Hall 2B
Every creator needs reviews, but writing useful reviews takes skill and care since they are critical building blocks for a creator's career. So what should reviewers keep in mind? What makes a well-written review? What makes a review 'good' – or 'bad', for that matter? And what should you do when an author responds? Reviewers share their experience, advice, and tips for reading and writing reviews.
D Franklin (M), *Graham Sleight*, *Leticia Lara*, *David Ferguson*, *Karen Haber*

16:00 **Mark Protection Committee (MPC) meeting**
2456 Meeting 110 minutes CCD: Wicklow Room-4
An opening meeting of the only permanent body of the World Science Fiction Society (WSFS). The MPC manages the intellectual property of WSFS, including the service marks on 'Worldcon' and 'Hugo Award', and the Worldcon and Hugo Award websites. At this meeting, the MPC will finalise their report to WSFS to be presented at the Friday Business Meeting.
Kevin Standlee (M)

16:00 **Autographs: George R. R. Martin – session #1**
2468 Autographing 80 minutes Point Square: Mezzanine
Things to help this session work well for everyone, please:One item only per person: George R. R. Martin will sign a book or a comic or an action figure… (nearly) anything, but only one item per person. Signatures only: no personalisations or inscriptions. No posed pictures: you may take a photograph of George R. R. Martin while he is signing, but no selfies with him – and do not go behind the table.
George R.R. Martin

16:00 **The importance of codes of conduct for diversity**
2450 Panel 50 minutes CCD: Wicklow Room-2
Codes of Conduct have gained traction over the past few years, in response to wider community concerns as well as individual issues. Our panellists discuss how the enforcement of codes of conduct can be an important tool in enabling a greater diversity of convention members.
Isabel Schechter (M), *Jaime Garmendia III*, *PRK*, *Dr Wanda Kurtçu*

16:00 **Gin tasting with GoH Ian McDonald**
2453 Event 110 minutes CCD: Wicklow Room-3
Join Guest of Honour Ian McDonald for a tasting featuring eight different gins, many of them Irish, with suggestions for the perfect tonic and the perfect cocktail — accompanied by gin stories, histories, and anecdotes. Audience participation is mandatory (limited to 20 people), so this is only for those aged 18 and over! A fee to cover materials will be collected.
Ian McDonald

16:00 **Thursday feedback session**
2459 Panel 50 minutes CCD: Liffey Room-1
What's going well? What's not going well? Come and share your positive and negative feedback with the convention organisers so that we can address concerns (where possible) and pass along the compliments to our hard-working staff and volunteers!

16:00 **Editors panel: what makes the cut?**
2414 Panel 50 minutes CCD: Liffey Hall-2
Among their many roles, editors promote, advocate for, and make the decisions on which work to publish and what work is set aside. How do you go about that? How do you know whether a new author is right for your line or magazine, and is there a time when you have to decide that a writer whose work you love isn't selling well enough to buy?
Anne Clarke (M), *Ginjer Buchanan*, *Patrick Nielsen Hayden*, *Natasha Bardon*, *Wataru Ishigame*

16:00 **Autographs: Thursday at 16:00**
2423 Autographing 50 minutes CCD: Level 4 Foyer
Aliette de Bodard, *Alan Smale*, *Carrie Patel*, *Nancy Kress*, *Sean Hazlett*

16:00 **Reading: Kari Sperring**
2462 Reading 20 minutes CCD: Liffey Room-3
Kari Sperring

16:00 **Kaffeeklatsch: Martha Wells**
2426 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Martha Wells

16:00 **Kaffeeklatsch: Rie Sheridan Rose**
2429 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Rie Sheridan Rose

16:00 **Kaffeeklatsch: Mr Declan Shalvey**
2432 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Mr Declan Shalvey

16:00 **Kaffeeklatsch: Geoff Ryman**
2435 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Geoff Ryman

16:00 **Kaffeeklatsch: Ruth Frances Long**
2438 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Ruth Frances Long

16:00 **Kaffeeklatsch: Zen Cho**
2441 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Zen Cho

16:30 **Trying on futures using science and art**
2483 Talk 50 minutes Point Square: Odeon 4
How does SF allow us to try on speculative futures within the safe confines of art? When *Jurassic Park* was released, de-extinction seemed like fiction; however, scientists have now created a 'dinochicken'. Science Gallery Dublin invites visitors to test ideas that are based on realities like this. Come and hear about stranger-than-fiction artworks that are closer to reality than we might think!
Dr Joanna Crispell

16:30 **What is SFWA and what can it do for you?**
2492 Panel 50 minutes Point Square: Stratocaster BC
Join SFWA board members and staff to learn about the Science Fiction and Fantasy Writers of America, touching on some of the many programs and services it offers to traditional, hybrid, and indie writers.
Kate Baker (M), *Mary Robinette Kowal*, *Jeffe Kennedy*, *Kelly Robson*

16:30 **Computer History Museum presentations**
2480 Presentation 50 minutes Point Square: Odeon 5
Chris Garcia will give two Computer History Museum presentations. One is on Charles Babbage and his ilk; the other is on the weird, strange, and odd things in the Museum – the funny version. Figure out which one is the most popular and which one is his favourite.
Christopher Garcia

16:30 **Armour and armour-making**
2477 Panel 50 minutes Point Square: Alhambra
You no longer have to be a blacksmith to make your own armour (unless you want to be). Join our panellists to learn about armour basics and different techniques and materials, from metal to modern, that you can use to make your own.
Christian (Miles) Cameron (M), *Dr Kevin Hewett*, *Mr Ingvar Mattsson*, *Iain Cupples*

16:30 **Concert: John McDaid**
2474 Concert 50 minutes Point Square: Warehouse 2 - Performance space
John G. McDaid is a science fiction writer, folk/filk singer-songwriter, and freelance journalist from Rhode Island. A 1993 Clarion grad, he sold his first short story, the Sturgeon Award-winning 'Jigoku no mokushiroku' to *Asimov's* in 1995. Since retiring in 2016 from a career in corporate communications, he's been writing full time and playing at venues around the Northeast US. In 2017, his songs won both the topical and 'Iron Filker' contests at the Ohio Valley Filk Fest. Fiction and music are online at harddeadlines.com and he's currently working on a Second World War alternate history novel and an album of original songs.
John G. McDaid

16:30 **I-LOFAR (Dublin Institute for Advanced Studies)**
2489 Workshop 50 minutes Point Square: Odeon 6 (Academic)
I-LOFAR is Ireland's latest major contribution to the world of astronomy. Situated on the grounds of Birr Castle, Co. Offaly, this highly advanced radio telescope is part of the continent-spanning LOFAR telescope, used for studies of the Sun, the stars, and distant galaxies and even forming part of the SETI program. LOFAR is often described as a 'software telescope' in that the signals from its hundreds of antennae are correlated and combined using high-performance computing systems. This panel will explain what LOFAR is, how it is used, and the many challenges facing the teams of scientists around Europe and the world to make sense of its outputs.
Dr Oisin Creaner (M)

16:30 **The art of John Picacio**
2486 Presentation 50 minutes Point Square: Odeon 3
Hugo Award-winning artist John Picacio has created bestselling book cover art for works by George R. R. Martin, Michael Moorcock, Ian McDonald, Dan Simmons, Sheri Tepper, Joe R. Lansdale, and many more. He'll answer questions from the audience and present a brand-new slideshow of his work and process. He'll reveal his latest covers and product artworks, and share a few super-secret sneak peeks into what he's currently working on.
John Picacio

16:30 **Reading: Lynda Rucker**
2471 Reading 20 minutes CCD: Liffey Room-3
Lynda Rucker

17:00 **Medieval textiles and textile crafts**
2525 Talk 50 minutes CCD: Wicklow Room-1
What types of textiles were actually available and used in the medieval period? What colours? What designs? How were they made and how were they different from today's textiles? Wonderful information for costumers, history buffs, and writers.
Dr Katrin Kania (M), *Jeannette Ng*

17:00 **Beyond Dungeons & Dragons**
2528 Panel 50 minutes CCD: Wicklow Room-2
There's so much more to tabletop roleplaying games (RPGs) than *D&D* – but where should you begin to explore? We'll take a look at some of the more interesting genre RPGs out there that the Dublin 2019 audience might not be familiar with.
Gregor Hutton (M), *Ell Schulman*, *Rebecca Slitt*, *Michael Cule*

17:00 **Lafcadio Hearn: the unsung hero of Japanese SFF**
2495 Talk 50 minutes CCD: Liffey Hall-2
Lafcadio Hearn was an peripatetic 19th century Irish journalist who eventually settled in Japan. He was most well-known for his books about Japan and his collections of Japanese legends and ghost stories. Unusually, he was allowed to obtain Japanese citizenship and later adopted the Japanese name of Yakumo Koizumi. Discover how his writing influenced the field of Japanese science fiction and fantasy.
Dr Takayuki Tatsumi, *Mari Kotani*

17:00 **Is literary escapism good for kids?**
2522 Panel 50 minutes CCD: ECOCEM Room
Fantasy regularly tops the lists of must-read – and much loved – books for children. However, some critics (and parents) still worry about the effect of escapism on immature imaginations. Why do so many children enjoy fantasy? What can fantasy do that realism can't? With on-point examples and compelling arguments, our panel of lifelong fantasy lovers take a look at the role fantastical fiction plays in the development of young readers.
Nigel Quinlan (M), *Mari Ness*, *Corinne Duyvis*, *Giovanni De Feo*

17:00 **Family céilí**
2540 Children's Programme 50 minutes Spencer Hotel: Columba 1
This family event gives parents and children the chance to learn some traditional Irish folk dances and have some fun together. Expect high energy and lots of laughs, and be prepared to spin till you're dizzy! Children must be accompanied by an adult and adults must be accompanied by a child.
Sal Roche

17:00 **Fandom and the LGBTQI+ community**
2501 Panel 50 minutes CCD: Wicklow Hall-1
There's overlap between the LGBTQI+ community and fandom, and fandom spaces have been touted as a place for those who felt rejected from 'normal' society to come and get their weird on. But is that always the case? Our panel of queer fans will discuss their relationship to fandom, how it's sometimes let them be more themselves than they can in other places… and sometimes not.
Sienna Saint-Cyr (M), *Todd Allis*, *Janet O'Sullivan*, *Philippa Ryder*

17:00 **I know my worth: the women of Marvel movies**
2498 Panel 50 minutes CCD: Wicklow Hall 2B
Marvel properties on the big screen have often been lambasted as having poorly conceptualised depictions of women: is this deserved? From the introduction of Black Widow through the animated Spider Gwen to the wild popularity of Shuri and Okoye from *Black Panther* and now Captain Marvel as a leading lady, have women acquired better stories or just more screen time? What still needs improving? And how do the Marvel women compare to the critical acclaim of DC's Wonder Woman?
Debra Jess (M), *Peter V. Brett*, *Benjamin Rosenbaum*, *Karina Steffens*, *Ms Cassie Parkes*

17:00 **Manga book swap**
2537 Fan Chat 50 minutes CCD: Liffey Room-2
Sales talk your book until you persuade someone to take it!Book swap rules:1) Bring a book you're willing to give away2) Hold the book in front of you3) Talk with individuals (one-to-one) in the room about what you enjoyed about the book4) Relinquish the book to someone who is interested in reading the book from the description you've given…
Jannie Shea (M)

17:00 **Fall in love with filk**
2531 Panel 50 minutes CCD: Liffey Room-1
Filk is the music of fandom: a musical culture, a genre, and a community. Our experienced filkers will reveal when they fell in love with filk, what filk means to them, and why it touches the soul of the fannish audience. And they'll persuade you, too, to fall in love with this unique part of our community.
Chris Wozney (M), *Gary Ehrlich*, *Anne Coleman*, *Bill Sutton*, *Valerie Housden*

17:00 **Autographs: Thursday at 17:00**
2504 Autographing 50 minutes CCD: Level 4 Foyer
Amy McCulloch, *Linda Antonsson*, *Melissa Caruso*, *Elio García Jr.*, *Tasha Suri*, *Karl Schroeder*

17:00 **Reading: Gabrielle de Cuir**
2534 Reading 20 minutes CCD: Liffey Room-3
Gabrielle de Cuir

17:00 **Kaffeeklatsch: Ada Palmer**
2510 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Ada Palmer

17:00 **Kaffeeklatsch: Michelle Sagara**
2513 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Michelle Sagara

17:00 **Literary Beer: Ellen Datlow**
2507 Literary Beer 50 minutes Martin's (CCD: Liffey-A))
Ellen Datlow

17:00 **Kaffeeklatsch: Dr Jack Fennell**
2516 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Dr Jack Fennell

17:00 **Kaffeeklatsch: Shweta Taneja**
2519 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Shweta Taneja

17:30 **Reading: Jaine Fenn**
2543 Reading 20 minutes CCD: Liffey Room-3
Jaine Fenn

18:00 **Ireland on screen: the known and the hidden**
2552 Panel 50 minutes CCD: Liffey Hall-2
Ireland has a long tradition as a backdrop and location for SFF, and not just for *Game of Thrones* and *Excalibur*. From *Darby O'Gill and the Little People* to *Space Truckers*, *Zardoz* to *Rawhead Rex*, this panel takes an affectionate, tongue-in-cheek look at these productions as viewed by an Irish fan.
Méabh de Brún (M), *Logan Bruce*, *Aidan Barron*, *Dr Rebecca O'Neill*

18:00 **Speculative open mic**
2573 Group reading 50 minutes CCD: Liffey Room-2
Speculative poetry is a creative space with a lot of lyrical potential and vibrancy, but many people don't get enough chances to hear their work read aloud before an audience as often as writers in other styles of poetry do. Poets and fans gather together in an intimate and encouraging space to share and listen. Poetry, flash fic, and filk are all welcome!
Brandon O'Brien (M)

18:00 **Graphic novels in YA**
2555 Panel 50 minutes CCD: Wicklow Hall 2B
Comics targeting YA audiences are increasingly popular, often challenging assumptions about who reads comics and what they want to read. Some YA comics are also featuring more diverse voices, as creators and characters. What does this success say about the comics market? Can YA comics offer writers more opportunities? And what are the must-read YA graphic stories?
D Franklin (M), *Marieke Nijkamp*, *Shivaun Hoad*, *Seanan McGuire*

18:00 **Talking animal characters in SFF**
2558 Panel 50 minutes CCD: Wicklow Hall-1
Science fiction and fantasy have a long history of anthropomorphic animals in both children's and adult novels. What is the attraction of talking animals? Can they be seen as a commentary on the human condition? What are the pitfalls and opportunities offered by this anthropomorphism?
Lise Andreasen (M), *Robert V. S. Redick*, *RJ Barker*, *Virginia*, *Adrian Tchaikovsky*

18:00 ***The Enchanted Duplicator***
2579 Play 80 minutes CCD: Liffey-B (Second Stage)
Dublin 2019 is thrilled to present the world premiere of the stage musical adaptation of *The Enchanted Duplicator*, the classic of Irish fanwriting by Walt Willis and Bob Shaw. *The Enchanted Duplicator* features Jophan in what is often described a fannish parody of John Bunyan's *The Pilgrim's Progress* (although Willis and Shaw ascribed their version's origins to *The Dark Tower*, a radio play by Louis MacNeice who was also from Belfast).Written and directed by Erwin (Filthy Pierre) Strauss.
Mr. Erwin S. (Filthy Pierre) Strauss (M), *Ms Rowan Jessop*, *Adi Loya*, *Mark Bernstein*, *Ms Yulia Syromolot*, *Mr Ralf Bayer*

18:00 **Reading: Pat Cadigan**
2570 Reading 50 minutes CCD: Liffey Room-3
Pat Cadigan

18:00 **Literary Beer: Sara Felix**
2561 Literary Beer 50 minutes Martin's (CCD: Liffey-A))
Sara Felix

18:00 **Literary Beer: Zaza Koshkadze**
2564 Literary Beer 50 minutes Martin's (CCD: Liffey-A)
Zaza Koshkadze

18:30 **Illustration or fine art?**
2582 Panel 50 minutes Point Square: Stratocaster BC
The same painting that is a mere illustration on a book cover might be considered 'fine art' when it's framed and hung in a gallery. Are there techniques, approaches, or subjects that bring a work closer to illustration or to fine art? Where is the line, and who gets to draw it?
Eric Scott Fischl, *Dominic Riemenschneider MA*, *Tara Ferguson*

19:00 **Building an intelligent world**
2600 Panel 50 minutes CCD: Liffey Room-1
Through AI, smart cities, meshed Internet of Things, and global connectivity, we are building an intelligent, almost sentient, world. Does this intelligent world enable or disable us? Are we reducing our need for human intelligence through reliance on such a world? Will our intelligent world eventually see humanity as we see animals: as smart creatures but limited in their mental capacity?
Christopher Husberg (M), *Ian Watson*, *Mika Koverola*, *Hadas Sloin*

19:00 **How close are we to Frankenstein's dream?**
2585 Panel 50 minutes CCD: Liffey Hall-2
Science has been making progress in rebuilding bones, growing organs, and transplants. Researchers recently succeeded in restoring a mammal's brain from cryogenic freezing, leading to speculation about 'head transplants'. How close does this bring us to the vision of the 'Modern Prometheus'? What are our current capabilities and ethics behind the science?
Dr Helen Pennington (M), *Heidi Lyshol*, *Dr Anatoly Belilovsky*, *D.A Lascelles*

19:00 **Sexy beasts: nonhuman pairings in SFF erotica**
2588 Panel 50 minutes CCD: Wicklow Hall 2B
For authors of paranormal romance and SFF erotica, sex scenes sometimes have the addedcomplexity of merging nonhuman bodies, emotions, and lifestyles. How haveauthors dealt with differing alien anatomy? How do predatory characters resistthe urge to eat their lovers? How do witches avoid accidentally cursing theirpartners in the throes of passion? The possible pairings are endless!
Ciaran Roberts (M), *Kate Johnson*, *Kat Harvey*, *K.M. Szpara*

19:00 **Creating wonderful new worlds**
2591 Panel 50 minutes CCD: Wicklow Hall-1
Contemporary speculative fiction features a wonderfully diverse selection of authors, stories, and worlds. Drawing on cultures, histories, mythologies, and landscapes (or something completely new), how do authors develop just the right world to tell their tale? From technology to petticoats, the devil is in the details. So what does it take to make a perfect world? What can we learn from some of today's fiction about how to do it right and wrong?
Gordon Van Gelder (M), *Tanya DePass*, *Mrs Emma Newman*, *Simon R Green*

19:00 **Superfight: anime**
2603 Quiz/Gameshow 50 minutes CCD: Liffey Room-3
Contestants make their case for why their improv anime characters should win a fight between them. After the first round, the audience get to vote on who has the more compelling case.
Legendgerry (M), *Russell A Smith*, *Ric Bretschneider*, *Dr Wanda Kurtçu*

19:00 **Reading: Ada Palmer**
2606 Reading 20 minutes CCD: Liffey Room-2
Ada Palmer

19:00 **Literary Beer: Geoffrey A. Landis**
2594 Literary Beer 50 minutes Martin's (CCD: Liffey-A)
Geoffrey A. Landis

19:00 **Literary Beer: Lee Harris**
2597 Literary Beer 50 minutes Martin's (CCD: Liffey-A)
Lee Harris

19:30 **Reading: C. E. Murphy**
2612 Reading 20 minutes CCD: Liffey Room-2
CE Murphy

20:00 **Does an AI need a body?**
2615 Panel 50 minutes CCD: Liffey Hall-2
Does an AI need a body, or do we need to see an AI in a body to recognise it is 'alive' or sentient? Why are we so obsessed with assigning gender, or gender characteristics, to an entity that is basically a software spark in a hardware system that doesn't rely upon organic reproductive systems?
Dr Máire Brophy (M), *Prof Dave Lewis*, *Maquel A. Jacob*, *Manny Frishberg*

20:00 **Opening Ceremonies, featuring the 1944 Retro Hugo Awards**
2630 Event 110 minutes CCD: Auditorium
Join us on Thursday evening for the official opening of the convention! Hosted by Ellen Klages and Dave Rudden, this evening of surprises will introduce you to our Guests of Honour, present the Big Heart and First Fandom Awards, and pay tribute to science fiction's illustrious past with the 1944 Retro Hugo Awards. Plus a preview of the many exciting performances that await you over the weekend!
Ellen Klages, *Dave Rudden*

20:00 **Introduction to hopepunk**
2618 Panel 50 minutes CCD: Wicklow Hall 2B
Alexandra Rowland coined the term 'hopepunk' in a Tumblr post in 2017, saying that: '…the opposite of Grimdark is Hopepunk'. Our panel will discuss what the term means and how hopepunk intersects with other speculative subgenres such as grimdark, noblebright, and solarpunk, as well as offering reading recommendations.
Sam Hawke (M), *Jo Walton*, *Alexandra Rowland*, *Lettie Prell*

20:00 **Literary Beer: Laurel Anne Hill**
2621 Literary Beer 50 minutes Martin's (CCD: Liffey-A)
Laurel Anne Hill

20:00 **Literary Beer: Juliana Rew**
2624 Literary Beer 50 minutes Martin's (CCD: Liffey-A)
Juliana Rew

20:00 **Reading: Kate Heartfield**
2627 Reading 20 minutes CCD: Liffey Room-3
Kate Heartfield

20:30 **Reading: Ellen Kushner**
2636 Reading 20 minutes CCD: Liffey Room-3
Ellen Kushner

21:00 **Making the asexual textual**
2642 Panel 50 minutes CCD: Wicklow Hall-1
In the past, many asexual and/or aromantic characters in science fiction and fantasy stories have not been overtly identified this way. Should writers be more explicit in stating asexual and aromantic characters' identity? How do asexuality and aromanticness shape and change the way characters and their relationships with others are perceived or written?
Darcie Little Badger (M), *Wendy Metcalfe*, *Dr Edmund Schluessel*, *Jasmine Gower*

21:00 **Horse sense**
2639 Panel 50 minutes CCD: Liffey Hall-2
How can fantasy authors write believable horse characters? The panel will discuss many aspects of horse knowledge such as: how fast cavalry can charge or travel in a day, how much and how often horses eat, how they are trained, and what makes a good rider. They will also consider who writes horses well, what do horses add to a story, and is it always necessary to get it 'right' if the story is good?
Sarah Pinsker (M), *Patrice Sarath*, *Mike Scott*, *Linda Antonsson*

21:00 **Thursday filk circles 1**
2645 Concert 230 minutes CCD: Liffey Room-1

21:00 **Thursday filk circles 2**
2648 Concert 230 minutes CCD: Liffey Room-2

22:00 **Concert: Erwin 'Filthy Pierre' Strauss**
2651 Concert 50 minutes CCD: Wicklow Hall 2A
Join Erwin 'Filthy Pierre' Strauss for an old-time filk singalong! Return with us now to those glorious days of yesteryear! We'll sing the glories of Frodo Baggins and the Outer Space Marines, and the miseries of slow elevators and bad banquet food, just like we did in the '60s and '70s. With Filthy Pierre at the keyboard, and words on the big screen, it's a rollicking good time!
Mr. Erwin S. (Filthy Pierre) Strauss

Friday

09:00 **Accessible yoga**
3018 Workshop 50 minutes CCD: Wicklow Room-5
An inclusive yoga class for people of all abilities. Practise in a chair or on a mat with optional standing poses. Participants move, stretch, rejuvenate, and relax through a series of gentle yoga movements, breathing exercises, and meditation. Explore at your own pace in a welcoming and inclusive group. Companions/support people welcome.Bring water and a yoga mat or use a chair/wheelchair. Wear comfortable clothing that lets you move easily.
Ty Arnold

09:00 **Stroll with the stars: Friday**
3015 Stroll 50 minutes CCD: Ground Floor Foyer
Zen Cho, *David D. Levine*, *Michelle Sagara*, *Kate Heartfield*, *BE Allatt*, *Paul Cornell*

09:30 **Doctor Who LEGO**
3024 Children's Programme 50 minutes Spencer Hotel: Columba 1
Calling all *Doctor Who* fans! We have special LEGO pieces with which you can build your own *Doctor Who*-themed creation, and you get to keep them too!
James Shields

10:00 **Nothing about us without us: disability in YA**
3027 Panel 50 minutes CCD: Liffey Hall-2
Every reader deserves to see themselves reflected in stories; that also holds true for disabled readers, although disabled main characters are still few and far between. What does disability look like in YA literature? How has representation changed over the last few years? Which titles are must-reads and which stories are still untold? And why is it so important to include disabled creators in the discussion?
Marieke Nijkamp (M), *Peadar Ó Guilín*, *Fran Wilde*, *Victoria Lee*

10:00 **Space opera: boldly going where no genre has gone before!**
3081 Panel 50 minutes CCD: Liffey Room-2
Space opera, science fiction's beloved subgenre, has changed a lot since the Golden Age. Some predicted it wouldn't survive long into the 21st century, but space opera has not only survived: it's thriving, with a new generation of writers boldly taking it in new directions. The panel will discuss current trends in space opera and how they see it evolving in the future.
Mr Adam Whitehead (M), *Rivers Solomon*, *Martha Wells*, *Bo Balder*

10:00 **The ethics of secret power**
3069 Panel 50 minutes CCD: Wicklow Room-4
Science fiction and fantasy often includes secret societies or even entire secret cultures, possessed of extraordinary knowledge and abilities. The audience enjoys being invited into a world cut off from mundane society, but the implications of that amount of power often lie unexamined. What are the risks and benefits of secrecy or exposure? Which works or authors question these power dynamics?
Marcus Gipps (M), *E. C. Ambrose*, *Stephanie Katz*, *Taiyo Fujii*

10:00 **Apollo at 50**
3084 Panel 50 minutes CCD: Liffey-B (Second Stage)
Getting men on the Moon was certainly an achievement, but it is nearly 50 years since anyone was there and the Apollo launchers, unlike Soyuz, have been abandoned for years. Beyond the obvious spectacle, was Apollo all for nothing? Was the spectacle itself enough? Panellists consider the legacy of Apollo.
Ian Sales (M), *Jeanette Epps*, *Dr David Stephenson*, *Geoffrey A. Landis*, *Mary Robinette Kowal*

10:00 **Short fiction of 2018**
3066 Panel 50 minutes CCD: Wicklow Room-3
What makes a good short story? Can we find any similarities in the themes of recent short stories? Join our panel of editors for a rundown of the short fiction published in 2018, including the Hugo Award finalists for Best Short Story and the James White Award.
Alasdair Stuart (M), *Jonathan Strahan*, *Sheila Williams*, *Neil Clarke*

10:00 **How I learned to stop worrying and love Hollywood**
3057 Presentation 50 minutes CCD: ECOCEM Room
People often complain about how bad the science and engineering is in science fiction TV shows and movies. While there are some terrible howlers that just will not die, this presentation explains how and why things have actually become a lot better over the last 15 years, how specific storytelling and production concerns – not stupidity or laziness – drive many decisions by TV- and film-makers, and how excessive nitpicking could actually be harmful to improving science literacy.
Stephen Cass

10:00 **How to tell science from pseudoscience**
3063 Panel 50 minutes CCD: Wicklow Room-2
At a time when facts are questioned and science is often viewed through a sceptic's eyes, how do we know what scientific findings are real or correct? We will discuss how to weed out science from pseudoscience as well as the effects of incorrect science being accepted as fact. And what happens when science goes wrong? How do we clean up a psuedoscience mess?
Stephen Nelson (M), *Eugene Doherty*, *Sam Scheiner*, *Cristina Macia*

10:00 **YA book to film adaptation**
3030 Panel 50 minutes CCD: Wicklow Hall 2B
We all know text to visual screen adaptions are hard. What unique difficulties does the YA genre present in the translation from print to screen?
Megan Leigh (M), *Ali Baker*, *Eoin Colfer*, *Ed Fortune*

10:00 **Making the transition from player to Games Master**
3060 Workshop 50 minutes CCD: Wicklow Room-1
It can be difficult to understand exactly how to make the change from being a player in roleplaying games to running games for friends or convention attendees. Come along to this panel to get some advice from experienced GMs on how to make this switch, and what would be helpful to know in the beginning.
Alyc Helms, *Michael Cule*, *Ell Schulman*

10:00 **Writing beyond king and colony**
3033 Panel 50 minutes CCD: Wicklow Hall-1
Fantasy novels often use monarchy, SF often relies on corporate governance, and space operas are full of planetary colonies. What other paradigms can writers bring to systems of government? What should they keep in mind when creating a new structure or repurposing an existing framework? What models can they follow? And what pitfalls should be avoided for stories set here on Earth, in a fantastical world, or on a far distant planet?
Sean Hazlett (M), *Joe Abercrombie*, *Brenda Clough*, *Natasha Bardon*

10:00 **Storytelling workshop with Diane Duane**
3096 Children's Programme 50 minutes Spencer Hotel: Columba 2
Once upon a time some stories were told; now you can tell them your own way. Join us and Guest of Honour Diane Duane to rewrite some familiar fairy tales with a new twist.
Sal Roche, *Diane Duane*

10:00 **WSFS Business Meeting: preliminary**
3093 Meeting 170 minutes Point Square: Stratocaster A
Joining Dublin 2019 made you a member of the World Science Fiction Society, the organisation that has sponsored Worldcons since 1939. WSFS holds its business meeting annually at the Worldcon, making the rules that govern Worldcons and the Hugo Awards. Every attending member of Dublin 2019 is welcome to attend the meeting, participate in debates, and vote. The preliminary meeting is responsible for setting the agenda for the rest of the meetings this year, including amending proposals and potentially killing them before they make it to the floor of the main meetings. Today's meeting may have limited seating but a large amount of standing room is available. Arrive early to collect and read agenda handouts.

10:00 **Friday feedback session**
3075 Panel 50 minutes CCD: Liffey Room-1
What's going well? What's not going well? Come and share your positive and negative feedback with the convention organisers so that we can address concerns (where possible) and pass along the compliments to our hard-working staff and volunteers!

10:00 **Autographs: GoH Ginjer Buchanan**
3036 Autographing 50 minutes CCD: Level 4 Foyer
Ginjer Buchanan

10:00 ***P/Faerie Tale* – pop-up #2**
3072 Play 50 minutes CCD: Wicklow Hall 2A
P/Faerie is a new movement play. 'F' is not in the Philippine alphabet; 'ae' is in the Gaelic alphabet. Putting a slash between two letters can make a word exclusive or inclusive. Putting a wall between any nations – say, the land of Faerie and the mortal realm – could arguably also be exclusive or inclusive. Depends which side you're on. This Saturday, 17 August, will be the first – albeit truncated – version of this play ever seen onstage (it has only existed in staged readings at Capricon and was originally created as a short for the Solstice Arts Centre in Co. Meath). Though we have the costumes, the puppets, the props, the people, we'd like the audience to help us decide which 'side' these elements fall on. Are they Diwata? Are they Sidhe? Are they mortal? We have some idea but we'd like you to participate in the final say.

Therefore, please join us on **Thursday 15 August** for a 30-minute discussion of the Diwata, faeries of the Philippines. Help us to decide if what we're planning to put onstage on Saturday really represents what we tell you about the Diwata. After all, who wouldn't wanna talk about Diwata?

On **Friday 16 August**, join us for a 30-minute discussion of the Sidhe, faeries of Ireland. The playwright admits that, even though she received her doctorate in Theatre History from TCD, she's not Irish; she really wouldn't want to claim authority on this, so please help her out here (just be gentle).

And then, on **Saturday 17 August**, join us for the hour-long world premiere of *P/Faerie Tale*.

A few weeks before the Worldcon, we will be releasing an audio recording of the first scene of the play, which we will not be performing in Dublin. It's a prequel, which should not be necessary to listen to before the show but which will enhance the events at the convention.About the play: Mara, an Irishwoman, heartily disapproves that her son married her former caregiver, Naomi, a Pilipina. But Naomi needs Mara's help, because the one-year-old child of the union has been abducted by faeries and Naomi cannot battle Irish faeries (Sidhe), having only ever encountered Philippine ones (Diwata). Are P/Family ties stronger than P/Faerie magic, or will the bitter P/Feud between the two women leave a child beyond the pale P/Forever?
Dr Ruth Palileo, *Jonathan East*, *Zack Georgian*, *Ginger Leopoldo*, *Amy Flood*, *Oscar Hernández Rodríguez*, *Niamh Clancy*

10:00 **Autographs: Friday at 10:00**
3039 Autographing 50 minutes CCD: Level 4 Foyer
Jo Walton, *Michael Cassutt*, *Peter V. Brett*, *R.F. Kuang*

10:00 **Reading: Gregory Norman Bossert**
3078 Reading 20 minutes CCD: Liffey Room-3
Gregory Norman Bossert

10:00 **Kaffeeklatsch: Brother Guy Consolmagno**
3042 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Brother Guy Consolmagno

10:00 **Kaffeeklatsch: Simon R Green**
3045 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Simon R Green

10:00 **Kaffeeklatsch: Kari Sperring**
3048 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Kari Sperring

10:00 **Kaffeeklatsch: Sam Fleming**
3051 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Sam Fleming

10:00 **Gravity's Arrow book launch – Jack Mann**
3087 Book launch 60 minutes Point Square: Warehouse 2 - Performance space
Gravity's Arrow is a science fiction novel with a low-tech/fantasy feel about a boy struggling with his beliefs, as he tries to survive in a galaxy on the verge of erupting into savage warfare.The technology that enables faster-than-light travel stops electronic devices functioning. Starfarers teleport across space, and battles are fought with dragons and automatic weapons, but without AI support. Light refreshments will be served at the launch.
Jack Mann

10:00 **Yatakhayaloon book launch**
3090 Book launch 60 minutes Point Square: Warehouse 2 - Performance space
Yatakhayaloon (the League of Arabian Fiction) will be launching three newly translated Arabian fiction novels by best selling Saudi authors: *Warriors & Warlocks: Outcast* by Monther Alkabbani, *Beyond Dreaming* by Shaima Alshareef, *Binyameen*, the third part of Ibraheem Abbas's trilogy.
Yasser Bahjatt, *Dr Shaima Alshareef*

10:00 **Kaffeeklatsch: Stanley Qiufan Chen**
3054 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Stanley Qiufan Chen

10:30 **Team-up: how scientists collaborate to solve the unsolveable**
3126 Panel 50 minutes Point Square: Odeon 1
The media portrays scientists as lone geniuses making brilliant discoveries conducted in isolation, with no lab assistants or colleagues. But increasingly science is actually performed by large teams. What is it like to actually work in science, and what are the implications for how and why science is done?
Noelle Ameijenda PhD (M), *Prof Jocelyn Bell Burnell*, *Dr Helen Pennington*, *Dr David L Clements*

10:30 **'You read my mind': telepathy in SFF romance**
3111 Panel 50 minutes Point Square: Odeon 5
Whether it's the ability to read your partner's mind or mutual telepathic communication, telepathy adds the potential for both conflict and closeness in a romantic relationship. In what ways do science fictional and paranormal romance novels use telepathy? What are the potential pitfalls and complications of writing a mind-reading character?
Donna Maree Hanson (M), *Sarah Rees Brennan*, *Chelsea Mueller*

10:30 **Star Trek: Discovery season 3**
3117 Panel 50 minutes Point Square: Odeon 3
We have fun discussing what the show will do, now that there has been a [redacted – insufficient clearance]. Will the show take the chance and freedom afforded by such a [redacted]. Anything is possible: is there still [redacted]?
Sarah Gulde (M), *Dr Liz Bourke*, *Emily January*, *Dana L. Little*, *Kelvin Jackson*

10:30 **Speed crafting – session 2**
3105 Workshop 110 minutes Point Square: Warehouse Art Demo Area
It's like speed dating for handicrafts. Have you ever wanted to try your hand at something new, but haven't managed to take the 'plunge'? We will provide the materials and instructors. Each session will have different handicrafts, and you will try each one. You won't end up with something you can take away, but maybe you'll be inspired. Sign-ups in advance will be required for this workshop (limited to 15 people).Session 2: tatting, cross stitch, tablet weaving.
Rebecca Hewett (M), *Anne Coleman*, *Constanze Hofmann*

10:30 **If I could teach you one thing...**
3120 Panel 50 minutes Point Square: Odeon 2
Professional artists tell us the things everyone should know coming into their industry, but that they don't.
Lee Moyer (M), *Oisin McGann*, *Jim Fitzpatrick*, *Bridget Duffy-Thorn*

10:30 **Have publishers got your back?**
3114 Panel 50 minutes Point Square: Odeon 4
Artists and authors are the public face of books and comics and, as a result, can be the main targets of online abuse when fans take offence at something. Should publishers protect the creators of the work they are marketing? In what ways do publishers offer support at times like these? Is there or should there be a difference if the work is being done on commission, rather than originating from the author or artist?
Tara Ferguson (M), *Paul Cornell*, *Atlin Merrick*, *Ms Catherine Cho*

10:30 **With fans like these, who needs enemies?**
3108 Panel 50 minutes Point Square: Alhambra
We've all seen them: the fans who think they have a right to make life miserable for creators. Why is it that science fiction and fantasy work attracts this type of person more than other genres? When does loyalty become a sense of entitlement? When does passion become toxic? What makes a fan want to damage the genre they claim to love?
Debra Jess, *Avner Shahar-Kashtan*, *Robert S Malan*, *Russell A Smith*

10:30 **Myth and horrors**
3123 Academic 50 minutes Point Square: Odeon 6
(Academic)
1. Mr Esko Suoranta – 'Lovecraft's Poison Tree in "Shoggoths in Bloom"'2. Jani Ylönen MA - 'Perfect Children or the Birth of Perfect Evil? Monstrous posthuman children in Ian McDonald's *River of Gods*'

10:30 **Autographs: Catherynne Valente**
3102 Autographing 50 minutes Point Square: Mezzanine
Catherynne Valente

10:30 **Reading: Peter Morwood**
3099 Reading 20 minutes CCD: Liffey Room-3
Peter Morwood

11:00 **Problematic favourites and the death of the author**
3135 Panel 50 minutes CCD: Wicklow Hall-1
How should we react if we discover that our favourite novels were written by a monster or rife with colonialism and racist ideologies? With examples like J. K. Rowling's post-publication announcements on the ethnicity and sexuality of her characters, should we consider authorial intention? The panel will discuss some of their problematic favourites and whether we can separate the author from the work.
Kathy Bond (M), *Maquel A. Jacob*, *Kate Heartfield*, *Val Nolan*

11:00 **Introduction to own voices**
3129 Panel 50 minutes CCD: Liffey Hall-2
The term 'own voices' is used to refer to works which contain characters from a marginalised group, such as the disabled community or native peoples, and which are written by a member of that group. Our panel will give an introduction to own voices SFF literature, and offer up reading recommendations.
Avery Delany (M), *Corinne Duyvis*, *Jacq Applebee*

11:00 **Convention tour – Friday**
3195 Docent 60 minutes Other: Miscellaneous - Onsite
Welcome to Dublin 2019, an Irish Worldcon! Our convention tour leaders are here to help introduce you to the convention, show you where everything is, and make some suggestions of things you shouldn't miss. Highly recommended for anyone who hasn't attended a Worldcon before.The tour will start by the Registration area.
Leane Verhulst

11:00 **Cheap, quick, and on the fly**
3186 Panel 50 minutes CCD: Liffey Room-3
Want to wear a costume but don't have the money, sewing skills, or time to make one? Our panellists will give you ideas on how to put together something fabulous from your wardrobe, fabric stash, and/or secondhand shop that requires little or no sewing.
Ann Morris (M), *Kerri-Ellen Kelly*, *Sharon B*, *El*, *Karina Steffens*

11:00 **The impact of Kickstarter on the gaming industry**
3132 Panel 50 minutes CCD: Wicklow Hall 2B
Kickstarter has taken the world by storm over the past ten years, as crowdfunding sites taught us a new way to get games to players. This panel will focus on an exploration of the way Kickstarter has changed the games industry, with discussion of the positive and negative impact of crowdfunding platforms on the hobby.
Ric Bretschneider (M), *Steve Jackson*, *Aidan Doyle*, *Tom Lehmann*

11:00 **'Where words fail, music speaks': literary soundtracks**
3162 Panel 50 minutes CCD: ECOCEM Room
With the advent of digital music it is easier now than ever for authors to create soundtracks for their writing. Sometimes this is music that inspires the writing process, and sometimes soundtracks are published to enhance the reading experience. Our panel of authors will discuss the ways in which music affects their writing.
Tom Toner (M), *A.J. Hackwith*, *R.F. Kuang*, *Ian McDonald*, *Kieron Gillen*

11:00 **The tradition of Irish theatre and plays**
3168 Panel 50 minutes CCD: Wicklow Room-2
From Lady Gregory to George Bernard Shaw, and Samuel Beckett to Enda Walsh – and nurtured by the Irish Literary Theatre – Ireland has a notably strong theatre tradition. Has speculative fiction influenced the Irish theatre or have those elements always been there? What are the must-see Irish plays? What changes might we look for in the future?
Maura McHugh (M), *Méabh de Brún*, *Jeanne Beckwith*, *Dr Harvey O'Brien*

11:00 **Fleshy fears: horror and the body**
3180 Panel 50 minutes CCD: Wicklow Hall 2A
From body horror to body snatchers to possession and beyond, how has horror explored, exploited, and pushed the limits of bodily integrity? What is the subtext of different approaches to body horror, and what practitioners are exploring these assaults on the flesh in the most interesting ways?
Dr Tracy Fahey, *Ramsey Campbell*, *Penny Jones*, *Tamsyn Muir*, *Madeline Ashby*

11:00 **Self-publishing in 2019**
3171 Panel 50 minutes CCD: Wicklow Room-3
Self-publishing affords a variety of excellent opportunities for new and established authors. While some lingering criticisms remain, self-publishing now plays a critical role across the genre. How has the advent of self-publishing affected the developing of the field, especially over the last ten years? When should an author avoid it? And when is it your best option? Our panellists share advice on how to successfully self-publish in an industry that often doesn't know what to do with its self-published authors.
Francesca T Barbini, *Eden Royce*, *Andrew Chamberlain*

11:00 **Audiobooks: the sound of fiction**
3183 Panel 50 minutes CCD: Liffey Room-1
Audiobooks have become an important part of the literature market, which will continue to grow. What are audiobook publishers looking for? What books should you be listening to and where can you find them? Our panel discusses what you need to know about audio. Come and join us, and listen up!
KT Bryski (M), *Jeremy Szal*, *Stefan Rudnicki*, *Tina Connolly*, *Gabrielle de Cuir*

11:00 **Now we are witnesses: Doctor Who's new historicals**
3165 Panel 50 minutes CCD: Wicklow Room-1
It's the other revolution of the Chris Chibnall era: he gave us the closest thing to 'pure' historical stories that *Doctor Who* has seen for decades. We will discuss the evolution of *Doctor Who*'s historical adventures over time, as well as considering why these two episodes worked so well, why Jodie Whittaker's Doctor was the right Doctor for these stories, and what other adventures lie in the future.
Dr Tony Keen (M), *Genevieve Cogman*, *Mikko Rauhala*, *Graham Sleight*

11:00 **Build your own fortress of solitude or rebel base**
3192 Children's Programme 50 minutes Spencer Hotel: Columba 1
Every hero needs a base or lair: a place they can retreat to, hide out, and plan their next mission. This is your chance to build your dream base; will it be just like Batman's or the Star Wars Rebels' – or something even better?
John Nisbet

11:00 **Makers of fandom**
3174 Panel 50 minutes CCD: Wicklow Room-4
Who makes fandom go? It's not always who you think. This panel celebrates the quiet labour of the people who keep fandom running, by asking them to be a little less quiet about what they do, who else does it with them, and why it's so important to our community.
Alison Scott (M), *Steve Davies*, *Mary Burns*, *Kees van Toorn*

11:00 **Reading: Rebecca Roanhorse**
3189 Reading 20 minutes CCD: Liffey Room-2
Rebecca Roanhorse

11:00 **Autographs: Friday at 11:00**
3138 Autographing 50 minutes CCD: Level 4 Foyer
Mary Robinette Kowal, *Juliet E McKenna*, *P C Hodgell*, *David Demchuk*, *Laura Lam*, *Eva L. Elasigue*

11:00 **Kaffeeklatsch: Dr. Tom Easton**
3141 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Dr. Tom Easton

11:00 **Kaffeeklatsch: Joe Abercrombie**
3144 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Joe Abercrombie

11:00 **Kaffeeklatsch: Jon Courtenay Grimwood**
3147 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Jon Courtenay Grimwood

11:00 **Kaffeeklatsch: Julie Crisp**
3150 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Julie Crisp

11:00 **Kaffeeklatsch: Regina Kanyu Wang**
3153 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Regina Kanyu Wang

11:00 **Kaffeeklatsch: Meg Davis**
3156 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Meg Davis

11:00 **Kaffeeklatsch: Michael Scott**
3159 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Michael Scott

11:00 **Queer fans' meetup**
3177 Meetup 50 minutes CCD: Wicklow Room-5
While many western countries have made great strides in the legal rights of queer citizens over the past couple of decades, being queer in a society built on heternormativity can still be draining. Come along to mix and mingle with other queer fans, and share your fandom experiences. All members of the LGBTQIA+ community are welcome at this meetup. (To maintain a safe space, allies are asked not to attend.)
Laura Antoniou (M)

11:30 **Do we really need all that Spandex?**
3222 Panel 50 minutes Point Square: Odeon 3
When we think of superheroes, we immediately think about gaudily coloured, tight-fitting outfits. Is this still the right style choice? Even with the shifting trends of pouches and jackets in the 1990s and black leather in the 2000s, we can't seem to escape from the impractical and revealing four-colour standard. Can we update costumes for the new millennium?
Gavia Baker-Whitelaw (M), *Mr Declan Shalvey*, *Liz Gilio*, *Liz Bragg*

11:30 **Continuing relevance of older SF**
3219 Panel 50 minutes Point Square: Odeon 4
We are in a new millennium, a literal Brave New World. Surely much of the fiction of the 20th century no longer holds relevance? The panel will discuss the fiction of the past and how it can still be relevant in the 21st century. What lessons from older authors – such as Orwell, Asimov, Butler, Delany, Kafka, and Atwood – can we apply to our app-loaded, social media-driven age?
Sue Burke (M), *Alec Nevala-Lee*, *Aliza Ben Moha*, *Robert Silverberg*, *Mr Joe Haldeman*

11:30 **How we became LV426**
3216 Talk 50 minutes Point Square: Odeon 5
We're having global conversations about climate change and human impacts on Earth's biosphere. What some may not know is that random acts of human terraforming have brought us to the brink of disaster before. We'll discuss how we made a huge swathe of the world unfit for human habitation a century ago; we'll talk about what it took to reclaim it and how those lessons might be applied in the future.
Lex Beckett

11:30 **Colonising the Kuiper Belt and the Oort Cloud**
3231 Panel 50 minutes Point Square: Odeon 1
Okay, there's not too much light nor gravity out there. But there's pretty much everything else, and we can collect light and spin gravity. How much stuff is actually out there, and how big a population could it support? What engineering challenges do we have to meet in building and sustaining such a colony, and how would habitats be constructed?
John Bray (M), *Mary Turzillo*, *Gary Ehrlich*, *Dr Laura Woodney*

11:30 **So you want to enter the Masquerade?**
3213 Panel 50 minutes Point Square: Alhambra
Have you ever thought about entering the Masquerade, but felt uncertain, intimidated, or nervous about it? Then this panel is for you! Our experienced masquerade runners will demystify the process by drawing back the curtain to answer all your questions and explain what happens, what to expect, and why it's so much fun to do.
Kevin Roche (M), *Christopher Garcia*, *Christine A Doyle MD*, *Kat Kourbeti*

11:30 **The mathematics of networks**
3234 Children's Programme 50 minutes Spencer Hotel: Columba 2
Networks are everywhere: in nature, in transport systems and maps, and in social media like Facebook and Twitter. We can understand how networks work by looking at the maths behind them. A fun and new way to learn about maths, for people aged 12 to 16.
Mason A. Porter

11:30 **How creators and fans respond to political unrest**
3225 Panel 50 minutes Point Square: Odeon 2
The political climate has always influenced creators and their output – for better and for worse – and fans have responded accordingly. Have the ways in which political influences are felt changed over the years? Are creators' responses ever at odds with their fans, or vice versa?
John R. Douglas (M), *Teresa Nielsen Hayden*, *Michi Trota*, *David Cartwright*, *Julia Rios*

11:30 **Countries**
3228 Academic 50 minutes Point Square: Odeon 6
(Academic)
1. Peter Adrian Behravesh – 'Mischief in Her Heart: Women's Empowerment in the Persian Fantastic'2. Dr Katja Kontturi – 'Today's Disney Comics as Postmodern Fantasy'3. Alisa Hellstrom – 'Motif of a Sleeping Hero in Mythology'

11:30 **Concert: Canticles Productions**
3201 Concert 60 minutes CCD: Liffey-B (Second Stage)
Canticles Productions brings Alexander James Adams at his best, with high fantasy storytelling through music. If you love literature, art, music, and media in fantastical worlds never seen before, then Canticles is for you. Find us on Patreon to support our amazing family of independent creators, or YouTube, where we will be posting our entire set list so you can sing along with us during this multimedia concert experience!
Matthew Morrese, *Alexander James Adams*

11:30 **Reading: Victoria 'V. E.' Schwab**
3198 Reading 20 minutes CCD: Liffey Room-2
Victoria "V.E." Schwab

11:30 **Autographs: Gail Carriger**
3210 Autographing 50 minutes Point Square: Mezzanine
Gail Carriger

11:30 **Trunk Line book 2: Fetch*!* book launch – Dave O'Neill**
3204 Book launch 60 minutes Point Square: Warehouse 2 - Performance space
Dave O'Neill welcomes all to the launch for Trunk Line book 2: *Fetch!*Utopia comes at a price. Well, that was the opinion of the founders of the Liberty Cluster, a small group of stars orbiting in the empty space between two of the galaxy's arms. As it turned out, the price for liberty was medicine, good dentistry, and toilet paper. The crew of the *Astra*, fresh from their near-death experience at Sirius, are made yet another offer they really should have had the sense to refuse. Heading into the dark to look for a famous lost starship, they make First Contact with a suspiciously familiar-looking alien species. The universe really seems to be going to the dogs, but there's nothing sad about these puppies. *Trunk Line* and *Fetch!* will be available, as will light refreshments.
Dave O'Neill

11:30 **Guardbridge Books book launch: *Off the Beaten Path***
3207 Book launch 60 minutes Point Square: Warehouse 2 - Performance space
Celebrate with award-winning Argentine author Gustavo Bondoni on the release of his dramatic new collection, *Off the Beaten Path*. The 22 English stories include two never before published: a new addition to his Poupée cycle, and a poignant ghost story about the terror of recent Argentine history. The author will be signing books and we will serve refreshments.
Gustavo Bondoni

12:00 **Bridging the language barrier: translated SFF**
3243 Panel 50 minutes CCD: Wicklow Hall-1
How has the landscape of translated SFF changed in the last decade or so, both into English and from English into other languages? We've seen translated pieces triumph in the genre's prime awards and gain dedicated magazines, the attention of more readers, and many specialised anthologies. The panel will discuss trends in translated genre fiction as well as possible future directions.
Cheryl Morgan (M), *Julie Novakova*, *Neil Clarke*, *Francesco Verso*, *Emily Xueni Jin*

12:00 **Living in the future: 2019 depicted in film**
3288 Panel 50 minutes CCD: Liffey Room-2
1982 saw the release of some very different takes on the year 2019: *Akira*, *The Running Man*, and *Blade Runner*. How does the future now differ from what the creators of the 1980s predicted? How relevant are the issues they foresaw, whether or not the details were correct? What contemporary works are looking at the future 40 years from now, and which do we think portray more or less plausible futures?
Dyrk Ashton, *Annalee Newitz*, *Rick Wilber*

12:00 **Stories from other media turned into games**
3264 Panel 50 minutes CCD: ECOCEM Room
sFrom the transition of 'select-your own adventure' books to Douglas Adams' first computer game version of The Hitchhiker's Guide to the Galaxy, storytellers have been happy to entice their audience to play in their worlds through games. What are the different ways they done this? Which stories have transitioned well – and which have not?
Michael Cule (M), *Rebecca Slitt*, *William C. Tracy*, *Marie Brennan*, *Keith Byrne*

12:00 **People of the Book: Jewish fantasy and mythology**
3279 Panel 50 minutes CCD: Wicklow Hall 2A
In 2010, an article entitled 'Why There is No Jewish Narnia' caused a stir by suggesting that Jewish authors didn't write fantasy because Judaism 'is a science fiction religion …collective, technical, and this-worldly.' This was widely argued online, butwhere are we now, nearly a decade later? The panel will discuss fantasy inspiredby and drawing on Jewish cultural traditions, themes, and myths.
Laura Anne Gilman (M), *Benjamin Rosenbaum*, *Gillian Polack*

12:00 **Done to death: the art of killing characters**
3237 Panel 50 minutes CCD: Liffey Hall-2
Sometimes death isn't the worst thing that can happen to a character. When does killing off a character serve the story, and when does it undermine the narrative? Let's moveaway from stories where marginalised characters must die to drive the protagonist's emotional journey. The panel will consider the many ways in which character death can be used, as well as alternatives to well-worn tropes.
Daryl Gregory (M), *Aimee Ogden*, *Su J. Sokol*, *Veronica Roth*, *Patrick Rothfuss*

12:00 **Conlangers' meetup**
3276 Fan Chat 50 minutes CCD: Wicklow Room-5
A fan chat/meetup for people interested in conlanging: the art of creating one's own languages. Chat in any language you like!
Kelvin Jackson

12:00 **The story of the concept album**
3270 Panel 50 minutes CCD: Wicklow Room-3
Concept albums and science fiction have been intertwined for half a century. Join our panellists for a trip down memory lane as they discuss mainstream classics of the genre like David Bowie's *The Rise and Fall of Ziggy Stardust and the Spiders from Mars*, their favourite obscure gems, and where modern performers like Janelle Monáe are taking the genre.
Sam Watts, *Ali Baker*, *Sarah Pinsker*

12:00 **Early science and genre fiction**
3282 Panel 50 minutes CCD: Liffey Room-1
Early science included water mills for grinding grains and basic geometry for mapping stars. How would Renaissance science look to alien cultures? How will Greek philosophy be applied in the future? Who wouldn't love to see the architectural engineering of Egypt applied to alternate realms? We'll dive into the wealth of early science and recast it for future/alternate/alien worlds!
Dr David L Clements (M), *Dr Sarah Tolmie*, *Shana Worthen*, *E. C. Ambrose*

12:00 **Great heroes of children's literature**
3240 Panel 50 minutes CCD: Wicklow Hall 2B
From Matilda Wormwood to Aang, Lyra Belacqua, and Jim Hawkins – just to name a few – some of our most memorable and significant heroes come from children's literature. Why do these heroes make such a big impact on us, no matter our age? What turns these ordinary kids into extraordinary heroes? What do our young protagonists have to teach their adult counterparts about courage, loyalty, and the ability to overcome the scariest villains?
Christine Taylor-Butler (M), *Holly Black*, *Peter Beagle*, *Sarah Rees Brennan*

12:00 **When good futures go bad: dystopia as horror fiction**
3267 Panel 50 minutes CCD: Wicklow Room-1
It's not just for science fiction any more! How do horror dystopias differ from those in SF, and what are some examples, old and new, that we should be reading?
Prof David Farnell (M), *Tim Major*, *Pat Cadigan*, *Emil Hjörvar Petersen*, *Nina Allan*

12:00 **Autographs: Friday at 12:00**
3246 Autographing 50 minutes CCD: Level 4 Foyer
Seanan McGuire, *Martha Wells*, *Fran Wilde*, *Manny Frishberg*, *Jonathan Strahan*

12:00 **Kaffeeklatsch: James Patrick Kelly**
3249 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
James Patrick Kelly

12:00 **Kaffeeklatsch: Lisa Tuttle**
3252 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Lisa Tuttle

12:00 **Kaffeeklatsch: Rob Carlos**
3255 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Rob Carlos

12:00 **Kaffeeklatsch: Madeline Ashby**
3258 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Madeline Ashby

12:00 **Kaffeeklatsch: Robert S Malan**
3261 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Robert S Malan

12:00 **Reading: Kate Elliott**
3285 Reading 20 minutes CCD: Liffey Room-3
Kate Elliott

12:30 **Groundbreaking women in science**
3312 Panel 50 minutes Point Square: Odeon 3
For most of modern history female scientists have been doing groundbreaking work. Often they are not recognised, and their work and discoveries have been attributed to male colleagues. The panel will discuss the work that women in science have been doing and highlight the women who have been doing the work.
Lauren James, *Verity Allan*, *Corry L. Lee Ph.D.*, *Dr Rebecca O'Neill*

12:30 **Webcomics**
3306 Panel 50 minutes Point Square: Odeon 5
What web comics should you be reading? How do they differ from printed comics? Is there a difference in the creation process between web comics and print?
Kate Larking (M), *Phil Foglio*, *Nora E. Derrington*, *Tamsyn Muir*

12:30 **Guiding star: discussing the Lodestar Award shortlist**
3309 Panel 50 minutes Point Square: Odeon 4
Let's gush about this year's amazing list of Lodestar Award finalists! What do we love about these books? Who will win, who else would we have loved to see on the list, and what else are we looking forward to seeing from this fantastic group of authors?*The Belles* by Dhonielle Clayton, *Children of Blood and Bone* by Tomi Adeyemi, *The Cruel Prince* by Holly Black, *Dread Nation* by Justina Ireland, *The Invasion* by Peadar Ó Guilín, *Tess of the Road* by Rachel Hartman
Charlie Jane Anders (M), *D.A Lascelles*, *Dr Mary Watson*, *Nicole Givens Kurtz*, *Tasha Suri*

12:30 **Computing before computers**
3303 Talk 50 minutes Point Square: Alhambra
People did compute things before silicon, and even before electronics. A look at the pre-computer history of computing: slide rules, Babbage machines, and a lot of other half-forgotten computing methods.
Henry Spencer

12:30 **Writing great alternative histories**
3315 Panel 50 minutes Point Square: Odeon 2
Alternative history is a compelling genre, but how does this work and how much research does it entail? When does fantastical innovation (or borrowing) go too far or not far enough? Our panellists share what makes a great alternative history as well as a few of their favourite examples to read.
Yasser Bahjatt (M), *Ian Watson*, *Alan Smale*, *Ginjer Buchanan*, *Dr Theodora Goss*

12:30 **The art of Sana Takeda**
3321 Presentation 50 minutes Point Square: Odeon 1
Join multiple award-winning illustrator and comic book artist Sana Takeda as she talks about the philosophy behind her art style and its evolution from her work in video game design, through superhero comics, to her current creator-owned (with writer Marjorie Liu) dark fantasy series *Monstress*. There will be a short Q&A session after the presentation.
Sana Takeda

12:30 **Scrapyard cosplay**
3300 Workshop 50 minutes Point Square: Warehouse Art Demo Area
We get a bunch of materials – cardboard/bin bags/duct tape/etc. – and encourage people to create the best cosplay they can in the time available. Sign-ups in advance will be required for this workshop (limited to 9 people).
Sakura Perez

12:30 **Early Ireland**
3318 Academic 50 minutes Point Square: Odeon 6 (Academic)
1. Dr Stephan Grundy – 'The Problem of Writing the Druids'2. Rebecca Try – 'Fionn mac Cumhaill: an Irish King Arthur?'

12:30 **Friday – Children's Programme lunch break**
3324 Setup 90 minutes Spencer Hotel: Columba 1 & 2

12:30 **Reading: Taiyo Fujii**
3291 Reading 20 minutes CCD: Liffey Room-3
Taiyo Fujii

12:30 **Autographs: John Scalzi**
3297 Autographing 50 minutes Point Square: Mezzanine
John Scalzi

13:00 **Transatlantic communication cables with Bill Burns**
3330 Talk 50 minutes CCD: Liffey Hall-2
The first permanently successful undersea telegraph cables between Ireland and Newfoundland were established in 1866, the culmination of a twelve-year project, but these early Atlantic cables were only the beginning of the great expansion of international communications which led to the internet. This illustrated talk will describe how this happened, as well as giving some perspective on Ireland's important place in the worldwide network.
Bill Burns

13:00 **Diversity in STEM**
3384 Talk 50 minutes CCD: Liffey-B (Second Stage)
Professor Jocelyn Bell Burnell is an inspirational figure for anyone considering a career in science and technology. She has actively and passionately been involved in promoting and supporting women and under-represented ethnic minority and refugee students in the pursuit of research careers; in 2018 she donated her $3 million prize money from winning the prestigious Special Breakthrough Prize in Fundamental Physics to this cause. She will speak about her own experiences and her perspectives on what progress has been made and what remains to be done in this vitally important area.
Prof Jocelyn Bell Burnell

13:00 **Is epic fantasy conservative?**
3336 Panel 50 minutes CCD: Wicklow Hall-1
Back in 2013, Gollancz's Twitter account made the claim that: 'Epic Fantasy is, by and large, crushingly conservative in its delivery, its politics and its morality'. The question sparked a discussion that is still relevant and ongoing. Is epic fantasy politically conservative and, if so, what does this tell us about the genre?
Joseph Malik (M), *Juliet E McKenna*, *P C Hodgell*, *Mary Soon Lee*

13:00 **Masquerade judges: not scary**
3369 Panel 50 minutes CCD: Wicklow Room-4
The thought of putting yourself out there to be judged in the Masquerade, especially for workmanship, can feel intimidating – but it doesn't have to be. Previous judges and masquerade veterans talk about how you can make the best impression and what to avoid.
Jill Eastlake (M), *Sharon B*, *Ada Palmer*, *Janine Wardale*

13:00 **Escape Artists podcast: live recording**
3333 Podcast 50 minutes CCD: Wicklow Hall 2B
Come and learn more about free weekly podcast fiction! Join the Escape Artists for an audio fiction show presented by all four EA podcasts: *Escape Pod*, *PseudoPod*, *PodCastle*, and *Cast of Wonders*. There'll be a Q&A session, swag giveaways, all the latest news, and live readings.
Marguerite Kenner (M), *Alasdair Stuart* (M), *Benjamin C. Kinney*, *Tina Connolly*, *Aidan Doyle*, *Premee Mohamed*

13:00 **The challenges of trans-temporal romance**
3357 Panel 50 minutes CCD: ECOCEM Room
They say love can span both space and time, but can it really? Long distance dating is one thing, but trans-temporal romance might be something else. What are some of the romantic challenges of dating someone from a different time? Is it possible to overcome these differences? Our panel considers the issues and possibilities.
Freya Marske (M), *Debra Jess*, *Jenny Rae Rappaport*, *Dr Martin Owton*

13:00 **Movement for costumers**
3372 Workshop 50 minutes CCD: Wicklow Room-5
Are you a person who wants to walk like an orc, or a person of a different gender or size than you? Do you want to feel more confident when you walk out on stage? Our presenters will demonstrate and teach how movement can help to sell your costume in the Masquerade or when cosplaying in the halls.
Derwin Mak (M), *Susan de Guardiola*

13:00 **Running a magazine**
3360 Panel 50 minutes CCD: Wicklow Room-1
Magazines have long been a mainstay of literature and have, in many ways, been the backbone of the ever-growing literary genres over the years. So what does it take to run a magazine? What changes, obstacles, or opportunities does the future hold?
Lila Garrott (M), *Liza Trombi*, *Gordon Van Gelder*, *Sheila Williams*

13:00 **BookTube: the world of YouTube book discussions**
3375 Panel 50 minutes CCD: Liffey Room-1
BookTube is the corner of YouTube dedicated to all things reading. On this new platform, avid SFF readers and fan critics chronicle their reading, share book reviews, and engage in lively discussions about the genre – but are you watching SFF BookTubers yet? Panellists discuss the unique challenges of YouTube as a reviewing platform and how you can become a part of the community.
Stevie Finegan (M), *Claire Rousseau*, *Thomas Wagner*, *Linnea Sternefält*, *Brianne Reeves*

13:00 **The power of representing ourselves in fanfiction**
3363 Panel 50 minutes CCD: Wicklow Room-2
When they don't see themselves on the page or on the screen, fans often reimagine characters, or find space in the canon for representation that wasn't originally there, by creating their own head-canons of gender, sexuality, race and (dis)ability. Our panel talks about the power of representing ourselves by rewriting beloved characters, and discusses some of their favourite head-canons.
Ciaran Roberts (M), *A.J. Hackwith*, *Kat Kourbeti*, *Juliet Kemp*

13:00 **Sharp storytelling**
3366 Panel 50 minutes CCD: Wicklow Room-3
Remember the greatest sword fight from the *The Princess Bride*? Or Darth Vader's duel with Obi-Wan? How about Aragorn versus the Nazgûl? There can be only one! Bob Anderson was an Olympic competitor turned swordmaster/fight choreographer who knew how to tell a story with weapons. Our panellists will analyse how he did it.
Thomas Årnfelt (M), *Rachel Hartman*, *Zoë Sumra*, *Mr Ingvar Mattsson*, *Peter Morwood*

13:00 **Dungeons & Disorderly S1: the Flume of Horrors**
3378 Game 50 minutes CCD: Liffey Room-3
'In his ancient crypt, at the bottom of the longest, evillest waterslide of the known world, the demilich Ackackackack lingers in near-slumber. Dare our fearless adventurers venture into the watery darkness? Can they face… the Flume of Horrors?' Silly, crowdsourced panel roleplaying game. Bring a pencil (please!) and your sense of humour. There will be a d20.
David Thomas Moore (M), *Cathriona Tobin*, *Vanessa Rose Phin*, *Scott Lynch*, *Adrian Tchaikovsky*

13:00 **Concert: Brimstone Rhime (C. S. E. Cooney)**
3387 Concert 20 minutes Point Square: Warehouse 2 - Performance space
Brimstone Rhine is the musical alter-ego of fantasy writer C. S. E. Cooney. She writes songs of myths and monsters, star-journeys, weird birds, and women who eat people.
C. S. E. Cooney

13:00 **Autographs: Friday at 13:00**
3339 Autographing 50 minutes CCD: Level 4 Foyer
Zen Cho, *Tom Toner*, *Gabrielle de Cuir*, *Jeffe Kennedy*, *Kieron Gillen*, *Ben Galley*

13:00 **Reading: Becky Chambers**
3381 Reading 50 minutes CCD: Liffey Room-2
Becky Chambers

13:00 **Kaffeeklatsch: Seanan McGuire**
3342 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Seanan McGuire

13:00 **Kaffeeklatsch: Bridget Duffy-Thorn**
3345 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Bridget Duffy-Thorn

13:00 **Kaffeeklatsch: Jim Fitzpatrick**
3348 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Jim Fitzpatrick

13:00 **Kaffeeklatsch: Karl Schroeder**
3351 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Karl Schroeder

13:00 **Kaffeeklatsch: Paolo Bacigalupi**
3354 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Paolo Bacigalupi

13:30 **Earth Abides 2.0: what happens post-apocalypse**
3408 Panel 50 minutes Point Square: Odeon 3
Earth Abides detailed the incremental ways in which society collapses after the apocalypse. Other assumptions of post-apocalyptic worlds include inevitable reductions to barbarism, tribalism, or senicide. Considering that certain fundamental knowledge (e.g. germ theory) wouldn't get reset to zero and that society can be collaborative, are the aftermaths completely dire?
Renee Sieber (M), *Dr. J.S. Fields Ph.D.*, *William Ledbetter*, *Alisa Hellstrom*, *Carrie Vaughn*

13:30 **The Vikings are coming!**
3411 Panel 50 minutes Point Square: Odeon 2
Many novels use Viking elements, whether they are retelling myths or basing their society on Norse history. What common tropes appear in Norse fantasy? Is there a conflict between the popular image of the fierce marauder and the historical realities of the period? Does there need to be a factual basis for Viking stories, or are the tropes so strong that historical accuracy would seem somehow 'less Viking'?
Emil Hjörvar Petersen (M), *Dr Stephan Grundy*, *Kari Sperring*, *Annie Bellet*

13:30 **Everyone is invited: LGBTQIA+ in comics**
3417 Panel 50 minutes Point Square: Odeon 1
Despite the lack of earlier representation, there have always been queer fans of and professionals working in comics. Now with creators being more vocal and visible members of the LGBTQIA+ community, we're seeing characters who don't even need to come out but are written and drawn with queer text rather than subtext. Let's talk about what's out there, where to find it, and what we'd all like to see more of!
Gavia Baker-Whitelaw (M), *Jacq Applebee*, *Rosa Devine*, *Diana M. Pho*

13:30 **So you want to write a SFF stage play**
3399 Panel 50 minutes Point Square: Alhambra
Writing for the stage uses a particular set of skills. What does it take to create a solid script? How does it differ from any other writing process? What special considerations are needed when including science fiction and fantasy elements? Our panellists will share tips and tricks on adapting between mediums for the stage, how to create believable characters, and how to write great dialogue.
KT Bryski (M), *Tomasz Kozlowski*, *Jeanne Beckwith*, *Professor Fiona Moore*, *Stefan Rudnicki*

13:30 **What just happened at the Business Meeting?**
3420 Panel 50 minutes Point Square: Stratocaster BC
The WSFS Business Meeting can be intimidating to those who have never participated in it. This panel will go into the technical details about what happened at this morning's Business Meeting, with an emphasis on the technical parliamentary rules rather than the substance of the proposals being discussed. This may include instruction in how the relevant parliamentary procedure works.
Donald Eastlake III

13:30 **New technologies for artists**
3405 Panel 50 minutes Point Square: Odeon 4
New technologies are changing the way some artists create. How are these advances changing their process? Are they making art more approachable to more people who want to become artists, or helping artists with disabilities find their voice? The panel discusses what new approaches are available with technological advances in recent years.
Arwen Grune (M), *Yuan (Shuang ChiMu) Feng*, *James Brophy*

13:30 **Trends in fan art**
3402 Panel 50 minutes Point Square: Odeon 5
Our definition of fan art has been evolving from work printed in fanzines to images posted online, and in style from illustrations to include crafts and other forms of art. How do newer mediums fit in the fan art category? Are the traditional venues for fan art still around? What 'fan art' mean to you?
Sue Mason (M), *Ariela Housman*, *Meg Frank*, *Teddy Harvia*, *Likhain*

13:30 **Ethics and exploration**
3414 Academic 50 minutes Point Square: Odeon 6 (Academic)
1. Dr Kelly C. Smith – 'Ethical Issues in Space Exploration'2. Laura E. Goodin – 'Hopepunk and the Persistence of Optimism'3. Arthur Maia – 'The Old Race from Old Earth'

13:30 **Concert: Blind Lemming Chiffon**
3393 Concert 50 minutes Point Square: Warehouse 2 - Performance space
Blind Lemming Chiffon, filker, has been performing exploratory surgery on the heart of the music business for quite some time… and isn't finished yet.
Blind Lemming Chiffon

13:30 **Autographs: Sana Takeda**
3396 Autographing 50 minutes Point Square: Mezzanine
Sana Takeda

14:00 **Cultural appropriation: a product of a shrinking world?**
3423 Panel 50 minutes CCD: Liffey Hall-2
White SFF authors have historically appropriated other cultures to add depth and excitement to their characters: The Wheel of Time takes the culture of POC and gives it to the Aiel, and Frank Herbert appropriates Islam and applies it to the Fremen. With relatively easy access to travel and digital information these days, how can we make use of a range of influences while avoiding cultural appropriation?
Dr Wanda Kurtçu (M), *Michi Trota*, *Fulvio Gatti*

14:00 **Can fiction convince people when facts can't?**
3462 Panel 50 minutes CCD: Wicklow Room-2
Do people need to understand a subject to care about it? Can stories be used to help people understand when the facts are not enough? There are plenty of current issues where the facts are known but large sections of the public are not convinced (as with climate change, vaccinations etc.). This panel will explore the use of stories to help people understand the science.
Alex Acks (M), *Aimee Ogden*, *Paolo Bacigalupi*, *Anne Charnock*, *Phoebe Wagner*

14:00 **Basics of fabric dyeing**
3480 Talk 50 minutes CCD: Liffey Room-3
When you can't find quite the colour of fabric that you need, you can often dye it yourself. Learn about what fabrics can be used, different types of dyes, necessary equipment, getting reproducible results, health and safety, and ways to obtain special effects.
Rebecca Hewett (M), *Karen McWilliams*

14:00 **The future of food**
3459 Panel 50 minutes CCD: Wicklow Room-1
What does the future have in store for our culinary delights and requirements? How will gene editing affect our produce and protein? How will technology enable food growth? Will climate change play a part in future food production? And what about food in space? Let's dish over what the future may bring to the grocery stores, our gardens, or even our Star Trek food replicators!
Scott Edelman (M), *Susan Weiner*, *R B Watkinson*, *Eva L. Elasigue*

14:00 **Improbable research and the Ig Nobel Prizes**
3429 Panel 50 minutes CCD: Wicklow Hall-1
Panellists will undertake dramatic short readings from bizarre studies collected by the *Annals of Improbable Research*. Each panellist will be unfamiliar with the study they are reading aloud, beyond skimming through it immediately before the show begins. The performers will then entertain questions from the audience.
Geri Sullivan (M), *Liz Zitzow*, *Mason A. Porter*, *Dave O'Neill*

14:00 **You have to laugh: humour in YA**
3483 Panel 50 minutes CCD: Liffey Room-2
What with all the struggles of growing up, finding love, saving the world, and overthrowing dystopias, YA literature has a lot of serious business to take care of. But laughter is an outlet too. Is there room for laughter in YA? What kinds of humour do you find in the genre, how are they used, and is there a generation gap when it comes to what's funny anyway?
Gail Carriger (M), *Prof David Farnell*, *Ellen Klages*, *Sarah Rees Brennan*

14:00 **Working as a writer in Ireland**
3426 Panel 50 minutes CCD: Wicklow Hall 2B
There is a rich and prolific community of writers who are living and writing in Ireland. In a country that is so friendly to creators, what are some of the benefits available to writers and any obstacles to know about? What resources are available and where does the writing community gather, learn, create, and publish their work locally?
Gareth Hanrahan (M), *Ian McDonald*, *Diane Duane*, *Jo Zebedee*

14:00 **All the universe's a stage…**
3477 Panel 50 minutes CCD: Liffey Room-1
…and all the men and women (and robots, and wizards) merely players. William Shakespeare was a Jedi master at creating characters and building tension on stage. What can he teach us about how to craft a compelling genre character, and how to make completely unrealistic situations and people feel real, given the limitations of whatever medium we choose?
Kate Heartfield (M), *Elsa Sjunneson-Henry*, *Greer Gilman*, *Simon R Green*

14:00 **Pitch perfect**
3465 Panel 50 minutes CCD: Wicklow Room-3
Pitching a story can be intimidating, especially if you're new to the field or are changing agents/editors. This is your chance to find out what agents, editors, and publishers want from their current writers, from writers fresh to the market, and from writers transitioning to someone new. Hear from the pros about what – and what not – to do when preparing the perfect pitch. (If there even is such a thing…)
Anne Perry (M), *Julie Crisp*, *Bella Pagan*, *Navah Wolfe*, *Neil Clarke*

14:00 **Drawing dragons and sea creatures**
3489 Children's Programme 50 minutes Spencer Hotel: Columba 1
Ever wanted to learn how to draw a dragon or a sea creature? If you can imagine them, author and illustrator Oisín McGann will demonstrate how to draw them! Everyone will get the chance to draw their own creation.
Oisin McGann

14:00 **An interview with Parris McBride and George R. R. Martin**
3486 Interview 50 minutes CCD: Liffey-B (Second Stage)
Parris McBride and George R. R. Martin sit down for a conversation. Please join them as they chat about their lives in science fiction and fandom.
George R.R. Martin

14:00 **Meet the GoHs: Steve Jackson and Jocelyn Burnell Bell**
3435 Reception 50 minutes Martin's (CCD: Liffey-A)
Join us for an informal gathering with Dublin 2019 Guests of Honour Jocelyn Bell Burnell and Steve Jackson. Their featured programme sessions are this afternoon, and this social interval in between gives you a chance to chat with them about their careers and contributions.
Prof Jocelyn Bell Burnell, *Steve Jackson*

14:00 **Kaffeeklatsch: Jeanette Epps**
3438 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Jeanette Epps

14:00 **Filk and geek music as a career**
3468 50 minutes CCD: Wicklow Room-4
Filk and geek music are usually seen as community-led non-commercial experiences, but some have chosen to make them their careers. Join our panellists as they discuss the highs and lows, and the practicalities and peculiarities, of making filk and geek music a commercial venture.
Kerri-Ellen Kelly, *Alexander James Adams*, *William Frank*, *Matthew Morrese*, *Laser Malena-Webber, the Doubleclicks*

14:00 **Concert: Natalie Ingram**
3474 Concert 50 minutes CCD: Wicklow Hall 2A
Natalie Ingram is a guitarist, trombone player, and singer-songwriter. Her songwriting tries to provide a fresh perspective on familiar ideas, and blends genres of folk, country, pop, blues, and swing. Her songs always aim to make you laugh or make you think. She is an active performer in her hometown in BC, Canada. Natalie is also looking forward to presenting her scholarship on myth and fantasy in our academic track at her first Worldcon.
Natalie Ingram

14:00 **Reading: Joe Abercrombie**
3456 Reading 20 minutes CCD: ECOCEM Room
Joe Abercrombie

14:00 **Autographs: Friday at 14:00**
3432 Autographing 50 minutes CCD: Level 4 Foyer
Victoria "V.E." Schwab, *Marie Brennan*, *Sarah Pinsker*, *Taiyo Fujii*, *Sam Hawke*, *Mary Turzillo*

14:00 **Kaffeeklatsch: Jeannette Ng**
3441 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Jeannette Ng

14:00 **Kaffeeklatsch: Rafeeat Aliyu**
3444 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Rafeeat Aliyu

14:00 **Kaffeeklatsch: Eyal Kless**
3447 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Eyal Kless

14:00 **Kaffeeklatsch: Jonathan Strahan**
3450 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Jonathan Strahan

14:00 **Kaffeeklatsch: Peter Morwood**
3453 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Peter Morwood

14:00 **Fans of colour meetup**
3471 Meetup 50 minutes CCD: Wicklow Room-5
Conventions are places where we can find and make like-minded friends who share our niche interests, but it's not always as simple as that. Being a fan of colour in primarily white spaces can be isolating and stressful. Join other self-identifying fans of colour to chat about the good and bad of your fandom experience. (To maintain a safe space, allies are asked not to attend.)
Kat Tanaka Okopnik (M), *Georgina Kamsika* (M)

14:30 **What we want to see: representation in comics**
3519 Panel 50 minutes Point Square: Odeon 2
While superhero comics have explored questions of identity from their inception, most main characters have traditionally been white, cishet, men. Although there have been exceptions, marginalised main characters existed, quite literally, in the margins. In recent years mainstream comics have become more inclusive, but still not everyone feels represented. Let's talk about what's there and what's still needed.
Christopher Hwang (M), *Darcie Little Badger*, *Maquel A. Jacob*, *Marieke Nijkamp*

14:30 **An anniversary to remember: the 1918 flu pandemic**
3525 Panel 50 minutes Point Square: Odeon 1
100 years ago, the 1918 influenza pandemic killed 50-100 million people worldwide. Science, medicine, and technology have since advanced, but what does that mean in a world where every country is only a few hours away by plane? What safeguards are in place? What do/don't we actually have to worry about? And is this really an anniversary worth remembering?
Susan Connolly (M), *Dr Keren Landsman*, *Dr Perrianne Lurie*, *Sam Scheiner*, *Christine A Doyle MD*

14:30 **Sword & Laser book club**
3507 Fan Chat 50 minutes Point Square: Alhambra
Tom Merritt and Veronica Belmont from the *Sword & Laser* podcast will lead a discussion of the July pick from their hugely popular book club. The book club meetup is open to all. You can find more details about the podcast and updates on the book we will be reading on the book club site at Goodreads.
Tom Merritt, *Veronica Belmont*

14:30 **Integrating real-life science into science fiction and fantasy**
3510 Panel 50 minutes Point Square: Odeon 5
Which came first: technology that inspired science fiction, or science fiction that inspired science? It's like the chicken and the egg scenario as science drives SF as much as SF drives science. Why is that? What discoveries do we see in science fiction that have found their way into labs and real life? What real-life science are we still waiting to see in our science fiction? Join us for a fun and exciting chat about science, science fiction, and exciting new ideas!
Victoria Lee (M), *Shweta Adhyam*, *Aliza Ben Moha*, *Dr. Tom Easton*

14:30 **Unwritable stories**
3528 Panel 50 minutes Point Square: Stratocaster BC
Every author has that perfect story that just refuses to be written. From wilful characters to wandering narratives and gaping plot holes, our panellists share the stories that would have even defied the Greek muses themselves. What made these stories so hard to write? What traps did they hold? And whatever happened to those old untold tales? Will they ever see the light of day or will they remain locked away in a hidden drawer?
Karen Haber, *Nina Allan*, *Jay Caselberg*, *Michael Swanwick*, *Jacey Bedford*

14:30 **Saving our planet: the view from an eco village**
3531 Children's Programme 50 minutes Spencer Hotel: Columba 2
Children all around the world are standing up and telling adults they need to save the planet. Nigel Quinlan is an author who lives in an eco village in Ireland; he'll describe what life is like there, and how we can all help to make a difference and save the planet, wherever on it we live.
Nigel Quinlan

14:30 **Finishing touches: props**
3513 Panel 50 minutes Point Square: Odeon 4
The right props can make your costume go from fine to fabulous. Panellists discuss what props can do for you, some of the most popular of the myriad of construction materials, and what can be done with them. Come and get inspired to get creative.
Dr Kevin Hewett, *Scott Lefton*

14:30 **Hammer Horror**
3516 Panel 50 minutes Point Square: Odeon 3
Terry Pratchett, Guillermo del Toro and writers of Doctor Who (during the Tom Baker period) have all evinced admiration and inspiration from a set of horror flicks produced by a long dormant British film producer Hammer Horror Films from the 1950s and 1960s. Our panellists look at what makes them so enamoured of their productions.
Genevieve Cogman (M), *The John Vaughan*, *Tim Major*, *Helena Nash*, *Mr Grzegorz Aleksander Biały*

14:30 **Unfamiliar philosophies**
3522 Academic 50 minutes Point Square: Odeon 6
(Academic)
1. Dyrk Ashton – 'Deleuzian Reflections in The Lord of the Rings'2. Sean Robinson – 'Closer than Brothers: Grindlewald's Crime was Love'3. Dr Kristina Hildebrand – 'Characters of Colour in the Whedonverse'

14:30 **'The Raksura Colony Tree': a community art project 2**
3504 Workshop 50 minutes Point Square: Warehouse Art Demo Area
'The Raksura Colony Tree' is a community art project for Dublin 2019, celebrating the worldbuilding in Martha Wells's Books of the Raksura series by creating part of a colony tree in fibre and thread. A lot of fibre arts lend themselves well to creating organic forms: trees, bushes, lianas, grass, and lots more.Come by to find out more about the project, and help us to make an awesome model! All kinds of fibre crafts are welcome; whether you knit, crochet, embroider, tat… we've got lots of materials and pattern ideas. Take a peek at what we've already got at raksuracolonytree.home.blog.
Constanze Hofmann (M)

14:30 **Concert: Mark Bernstein**
3498 Concert 50 minutes Point Square: Warehouse 2 - Performance space
Mark Bernstein attended his first Worldcon in 1974, and has been filking since 1975. He's a Pegasus Award winner and in 2016 was inducted into the Filk Hall of Fame. Expect songs and stories both serious and silly, along with plenty of awful puns.
Mark Bernstein

14:30 **Reading: R. F. Kuang**
3492 Reading 20 minutes CCD: ECOCEM Room
R.F. Kuang

14:30 **Autographs: Pat Rothfuss**
3501 Autographing 50 minutes Point Square: Mezzanine
Patrick Rothfuss

15:00 **Dublin 2019 fountain pen meetup**
3579 Fan Chat 50 minutes CCD: Wicklow Room-5
An informal meetup for people who love and want to talk about all things fountain pen and ink! Join us to chat about your favourite pens and how you use them.
Aliette de Bodard (M)

15:00 **Once again upon a time: modern fairy tales**
3534 Panel 50 minutes CCD: Liffey Hall-2
Fairy tales have an abiding allure, and successive generations of writers have taken these traditional themes and tropes and reshaped them for a modern audience. Sometimes the setting is changed but the roots of the story remain; sometimes authors use the reader's familiarity with a tale to subvert expectations. Why is it that fairy tales lend themselves so well to repetition? In what ways are modern authors shaping fairy tale tropes? The panel will examine the popularity of fairy tales through the lens of modern retellings.
Lucy Hounsom (M), *E. Lily Yu*, *Mari Ness*, *Sara Norja*, *Jean Bürlesk*

15:00 **Angels and demons: Christian mysticism in fantasy**
3576 Panel 50 minutes CCD: Wicklow Room-4
How have Christian symbols, myths, and ideas been used in fantasy literature? C. S. Lewis was very open about his use of Christian symbols in the Narnia series; what other authors have done the same? Angels, demons, crucifixes, relics, heroes being sacrificed to save others, and even more subtle uses of numerology and abstract symbolism: the panel will explore these, and discuss their favourite examples of Christian mysticism in fantasy.
Brother Guy Consolmagno (M), *Meg MacDonald*, *Christian (Miles) Cameron*, *Anne Corlett*

15:00 **GoH interview: Steve Jackson**
3594 Interview 50 minutes CCD: Liffey-B (Second Stage)
Steve Jackson is interviewed about his 50+ years in the gaming world, the evolution of gaming as a hobby, and what might come next for both Steve Jackson Games and the hobby in general. There will probably be talk of dinosaurs too. And LEGO. And pirates. And possibly the United States Secret Service.
Mr. Colm Lundberg (M), *Steve Jackson*

15:00 **YA futures**
3540 Panel 50 minutes CCD: Wicklow Hall-1
From dystopias to utopias, science fiction to space opera, how do we imagine and create the future in YA books? How have visions of the future in YA changed over time? And is the final frontier in YA in deep space, or here on Earth?
Eric Picholle (M), *Charlie Jane Anders*, *James Smythe*, *Fonda Lee*, *Dr Kristina Perez*

15:00 **Falling in love with science fiction**
3585 Panel 50 minutes CCD: Liffey Room-1
How did you fall in love with science fiction? What keeps the interest alive? People get into, and stay into, SF and genre for many reasons: they read the right story at the right time, saw the movie that grabbed them, were pulled into the world of a special game or comic. People also make a difference; someone says, 'Read this!' when you're new, or when you're jaded – and the world changes. Let's explore the wonders of finding and staying in love with SF. (And the rest of the SFF genre!)
Simon Litten (M), *Jennifer Zwahr-Castro*, *Shaoyan Hu*, *Ebba Svegelius Gunnarsson*

15:00 **Introduction to SFF romance**
3537 Panel 50 minutes CCD: Wicklow Hall 2B
SFF romance is as varied and creative as the speculative genre as a whole but, along with other romantic subgenres, has often been dismissed and undervalued. From shapeshifting billionaires to far future secret agents, vampire brides to Highland flings, this panel will provide a broad introduction to SFF romance in all its glory as well as providing a range of reading recommendations.
Cora Buhlert (M), *Darlene Marshall*, *D.A Lascelles*, *Jeffe Kennedy*

15:00 **Can technology save the world?**
3573 Panel 50 minutes CCD: Wicklow Room-3
Elon Musk and others believe that technology can and will save the world. Can tech handle growing demands on the earth for resources? Can we invent our way out of climate change? We talk GMOs, nanotech, geo-engineering, and also our faith in tech as a 'get out of gaol free' card.
Ed Fortune (M), *Anna Gryaznova LL.M.*, *Elliot Craggs*, *Madeline Ashby*

15:00 **Getting your speculative plays into theatres**
3567 Panel 50 minutes CCD: Wicklow Room-1
From Broadway and The Abbey Theatre to small local community groups, theatres are always looking for new material. How do you get your play performed – and is it harder to get a speculative stage play produced, given the extra tangles caused by science fiction and fantasy themes? Join us for a theatrical discussion on how to get your speculative play published, performed, and seen.
James Patrick Kelly (M), *Maura McHugh*, *Lex Beckett*, *Bruno Puelles*

15:00 **Publishing novel-length horror in today's market**
3570 Panel 50 minutes CCD: Wicklow Room-2
Is novel-length horror still in the doldrums, commercially speaking? What writers have managed to find success in spite of the slump, and what strategies do top editors and agents offer horror writers who hope to move beyond the small press with their book-length manuscripts?
Joe Hill (M), *Jo Fletcher*, *John Berlyne*, *Gillian Redfearn*, *John Jarrold*

15:00 **How to create anthologies**
3591 Panel 50 minutes CCD: Liffey Room-2
What does it take to create a viable anthology? What are the key steps in building one? Does the anthology market differ from the novel and collection markets? And are there differences between small press and major houses in creating or marketing anthologies?
Eric Choi (M), *Francesco Verso*, *Ellen Datlow*, *Ian Whates*, *Libia Brenda*

15:00 **Heicon memories**
3564 Panel 50 minutes CCD: ECOCEM Room
Several of the 620 attendees of the only Worldcon so far held in Germany (Heidelberg, 1970) reminisce. Was the convention really held in a castle? What happened at the first non-English-as-first-language convention?
Mary Burns (M), *Suzanne Tompkins*, *Ginjer Buchanan*, *Robert Silverberg*

15:00 **Concert: Deirdre Murphy**
3582 Concert 20 minutes CCD: Wicklow Hall 2A
Deirdre Murphy is a long-time fan and filker, originally from Chicago. She plans to share some of her own songs as well as some of her favourite songs from that area. Her Patreon, devoted to her writing (including fiction, songs, and poetry), is at Wyld_Dandelyon, and she can be found on DreamWidth and Twitter as Wyld_Dandelyon as well. If you're looking for a surprise visit from Coyote, or something a little less chaotic, you will be welcome.
Deirdre M Murphy

15:00 **Autographs: Friday at 15:00**
3543 Autographing 50 minutes CCD: Level 4 Foyer
Rivers Solomon, *Lee Moyer*, *Becky Chambers*, *Scott Edelman*, *Tina Connolly*, *Jaine Fenn*

15:00 **Reading: Karl Schroeder**
3588 Reading 20 minutes CCD: Liffey Room-3
Karl Schroeder

15:00 **Kaffeeklatsch: Greer Gilman**
3546 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Greer Gilman

15:00 **Kaffeeklatsch: Liz Gorinsky**
3549 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Liz Gorinsky

15:00 **Kaffeeklatsch: Mick Schubert**
3552 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Mick Schubert

15:00 **Kaffeeklatsch: Michael Rowley**
3555 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Michael Rowley

15:00 **Kaffeeklatsch: Mur Lafferty**
3558 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Mur Lafferty

15:00 **Kaffeeklatsch: Peadar Ó Guilín**
3561 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Peadar Ó Guilín

15:30 **Kick-ass women on SF TV**
3621 Panel 50 minutes Point Square: Odeon 1
It's great to see active, powerful women on screen! But what new stereotypes and tropes are coming out of this? Which ones are worth keeping and which ones need to be binned before they take insidious hold?
Donna Maree Hanson (M), *Claudia Fusco*, *Tasha Suri*, *Mari Kotani*

15:30 **Lord Dunsany**
3603 Panel 50 minutes Point Square: Alhambra
Edward Plunkett, the 18th Baron of Dunsany (24 July 1878 – 25 October 1957), was an Anglo-Irish writer, primarily of fantasy. More than ninety volumes of his work were published in his lifetime including short stories, plays, novels, and essays. He is most remembered for his fantasy novel *he King of Elfland's Daughter*, but during the 1910s was considered one of the foremost writers in the English-speaking world.
Chris Wozney (M), *Martin Andersson*, *Premee Mohamed*, *Juliana Rew*

15:30 **Why did Einstein want a better refrigerator?**
3624 Talk 50 minutes Point Square: Stratocaster BC
Why does the world need sustainable technology for air conditioning and refrigeration? From the early ice-making machines to present day efforts to redevelop heat-driven cooling systems originally commercialised for brewing in the 1800s, this panel looks at ways to fulfil our need to be cool and will answer what Einstein had to do with keeping cool.
Dr Claire McCague

15:30 **Neuroscience for writers and readers: the evolved brain**
3609 Talk 50 minutes Point Square: Odeon 4
The human brain and mind have been topics of fiction since time immemorial, but our stories don't always keep up with the science. The classic science fictional frameworks of the last fifty years have produced a lot of great stories, but a better understanding of the brain can lead us to new stories and new ideas. How can we, as writers and readers, make sense of the most complex structure in the world?
Benjamin C. Kinney

15:30 **Refreshing European epic fantasy tropes**
3612 Panel 50 minutes Point Square: Odeon 3
Castles, horses, and knights are the building blocks of European epic fantasy literature, but are we on the verge of having dredged these tropes dry? Is there still a sense of discovery for readers who are browsing the shelves of Eurocentric fantasy, especially in light of the exciting selection of epic fantasy literature from around the world? And how do we revive and/or reshape new epic tales that are rooted in Europe's fantastic past?
Marcus Gipps (M), *Jared Shurin*, *Laura Anne Gilman*, *Scott Lynch*, *Laura Lam*

15:30 **Astronomy presentation**
3627 Children's Programme 50 minutes Spencer Hotel: Columba 2
Come and build a scale model of our solar system – both in distance and in size. You will learn about Kinesthetic Astronomy, the movement of planetary systems, star clusters, nebulae and galaxies, and what causes the changing seasons and phases of the Moon.
Dr Inge Heyer

15:30 **Craft is not a dirty word**
3606 Panel 50 minutes Point Square: Odeon 5
Often the word 'craft' is used with derision, referring to something that is considered completely separate and inferior to 'art'. Are there clear distinctions between the two? Is one naturally inferior to the other? 'NO!' say our panellists. Come and hear their defense of craft and its place in the world of art and the world at large.
Deanna Sjolander (M), *Sara Felix*, *Dr. J.S. Fields Ph.D.*, *Juliet Kemp*

15:30 **Which comic was your manual?**
3615 Panel 50 minutes Point Square: Odeon 2
We ask our panel of comics professionals which comics, graphic novels, and series they regularly use as reference and for inspiration. Who do they personally consider to be the comic book greats and why? And are these works useful to everyone, or just to comics creators?
Paul Carroll (M), *Sana Takeda*, *CE Murphy*, *Paul Cornell*

15:30 **Futures**
3618 Academic (Academic) 50 minutes Point Square: Odeon 6
1. Dominic Riemenschneider MA - 'Future-Up! Using historical models and turning them science fiction: thoughts on visual strategies, reception ways and art history'2. Dr Allen Stroud – 'New Futures: What May Come From'

15:30 **Autographs: Charles Stross**
3600 Autographing 50 minutes Point Square: Mezzanine
Charles Stross

15:30 **Reading: Sarah Gailey**
3597 Reading 20 minutes CCD: Liffey Room-3
Sarah Gailey

16:00 **Using SFF as sandboxes for ideas on politics and society**
3672 Panel 50 minutes CCD: Wicklow Room-3
Speculative fiction can offer readers and writers a space, removed from 'real' life, to explore and criticise society and politics and offer possible solutions. From the economy of your galactic empire to the status of dwarves in your epic fantasy, it is impossible to separate the political from the fantastical, and SFF is a great place to imagine other ways of existing.
Nicholas Whyte (M), *Sam Hawke*, *Eyal Kless*, *Taiyo Fujii*

16:00 **Buying your first guitar**
3678 Workshop 50 minutes CCD: Wicklow Room-5
Are you thinking of taking up the guitar, but don't know what to get or how much to spend? This is a chance to listen to what experienced guitar players have to say, and to try some different instruments for yourself.
Valerie Housden

16:00 **Educating children in how to avoid a dystopia**
3669 Panel 50 minutes CCD: Wicklow Room-2
Dystopian and utopian societies are popular in YA novels like *The Hunger Games*. However, serious ethical concerns about technology and sustainable resources, as well as complicated political structures, are often glossed over. What should children know about the dangers associated with these societies? What environmental and human costs are presented in fictional worlds, and how do they relate to the real world?
Dr Wanda Kurtçu (M), *Amy Sundberg*, *Dr Glyn Morgan*, *Nicole Givens Kurtz*

16:00 **Expanding the storyverse with tie-in novels**
3633 Panel 50 minutes CCD: Wicklow Hall 2B
Media tie-in novels have long been a staple of the wider genre, as eager readers consume books within the Star Wars, Buffy, and superhero universes, and more! Why are these media franchise books so popular? What does it take to write one? Are they just regurgitations of video content, or something more? What should authors looking to write a tie-in novel, and readers looking to read one, know about this subgenre?
Martha Wells (M), *Diane Duane*, *Pat Cadigan*, *D.B. Jackson*

16:00 **The return of the space cowboy: Westerns in space**
3666 Panel 50 minutes CCD: Wicklow Room-1
The influence of the Western on science fiction can be traced from the pulp era; it ranges from the subtle inclusion of tropes like the lawless frontiers of Star Trek and *The Expanse*, through cowboy imagery in *Afro Samurai* to literal horses in *Firefly*. The panel will discuss their favourite examples of space Westerns in media and literature, and why the genre has had such a lasting appeal.
Ariela Housman (M), *Edgar Governo*, *David Towsey*, *Cat Camacho*

16:00 **'Language is a virus from outer space'**
3675 Panel 50 minutes CCD: Wicklow Room-4
From Klingon to Quenya, Dothraki to Circular Gallifreyan, speculative fiction and media abounds with invented languages. Some are complex enough to learn and speak; others only exist in fragments. How do you go about inventing a language for an alien race or fantasy culture? A panel of conlangers (language inventors) discuss language creation and examples of successful invented languages in literature and TV/film.
Hanne-Madeleine (Iro) Gates Paine (M), *P. M. Freestone*, *Joseph Malik*

16:00 **YA fiction: literary gateway or lifestyle choice?**
3690 Panel 50 minutes CCD: Liffey Room-2
YA readers and writers are often asked when they are moving on to adult fiction, or 'real' books. Is YA just a gateway to other fiction, speculative or not? What's the effect on YA readers? Do they move on? Should they? Or does YA have a greater, ongoing appeal to readers and writers, teen and adult? Our panellists discuss the history and relationship between YA and the other speculative genres.
Carrie Vaughn (M), *Kate Elliott*, *Sam Bradbury*, *Joe Abercrombie*

16:00 **Cities of the future**
3630 Panel 50 minutes CCD: Liffey Hall-2
From Dublin to Delhi, cities of the future are nearly here. Soon over 50% of the world's population will live in urban centres that must change to sustain life and overcome challenges to deliver services. Simultaneously, innovations in tech promise smart cities. How can we plan for future cities; how might technologies change; and what benefits or risks do we face in these futuristic spaces?
Renee Sieber (M), *Ian McDonald*, *Dr Feng Zhang*, *Christine Taylor-Butler*

16:00 **3D printing now and in the near future**
3684 Talk 50 minutes CCD: Liffey Room-1
3D printing is a powerful tool to create custom sculptural objects. With costs coming down and availability increasing, it's a medium that is becoming more and more accessible. This talk will discuss what 3D printers can and can't do, necessary tools, available materials, and the skills you need to successfully design for 3D printers. A working 3D printer will be present.
Arwen Grune

16:00 **Representation of marginalised people in games**
3663 Panel 50 minutes CCD: ECOCEM Room
In recent years there has been a lot of discussion about representation of women in games, but issues of representation and experience still need greater attention across the industry. How diverse and inclusive is gaming today? What should we know and what can we do?
Tanya DePass (M), *Laser Malena-Webber, the Doubleclicks*, *Sam Fleming*, *Elsa Sjunneson-Henry*

16:00 **Future Worldcon Q&As (or, the Fannish Inquisition)**
3636 Meeting 110 minutes CCD: Wicklow Hall-1
Watch presentations from upcoming Worldcons and Worldcon bids. Where will the World Science Fiction Society (WSFS) be meeting next? What locations are bidding for which years? This live forum provides the ability to ask questions, so that you can cast an informed vote in this year and future years' site selections.
Dr. Deb Geisler (M), *Randall Shepherd* (M)

16:00 ***Girl Genius*: a radio play**
3681 Play 50 minutes CCD: Wicklow Hall 2A
A short, in-universe *Girl Genius* play in the style of old time radio, hosted by Phil & Kaja Foglio. Players will be selected from The Audience; you have been warned.
Phil Foglio, *Kaja Foglio*

16:00 **Autographs: Friday at 16:00**
3639 Autographing 50 minutes CCD: Level 4 Foyer
Alex Acks, *Regina Kanyu Wang*, *A.J. Hackwith*, *Jo Zebedee*, *A. T. Greenblatt*

16:00 **Reading: Jon Courtenay Grimwood**
3687 Reading 20 minutes CCD: Liffey Room-3
Jon Courtenay Grimwood

16:00 **Kaffeeklatsch: Anne Charnock**
3642 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Anne Charnock

16:00 **Kaffeeklatsch: Navah Wolfe**
3645 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Navah Wolfe

16:00 **Kaffeeklatsch: Gail Carriger**
3648 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Gail Carriger

16:00 **Kaffeeklatsch: Mary Robinette Kowal**
3651 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Mary Robinette Kowal

16:00 **Kaffeeklatsch: Kieron Gillen**
3654 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Kieron Gillen

16:00 **Kaffeeklatsch: Rachel Hartman**
3657 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Rachel Hartman

16:00 **Kaffeeklatsch: Scott Edelman**
3660 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Scott Edelman

16:30 **Riverdale and Sabrina: small town Gothic**
3711 Panel 50 minutes Point Square: Odeon 5
The Archie Cinematic Universe? Really? That's what we're starting to get, and it has a distinctly Gothic tone. We discuss how the two shows blend the familiar and the new to create an American Gothic for 2019. What reference points are they drawing from? What are their most striking innovations? How might this fledgling universe develop?
Chelsea Mueller (M), *Susan Connolly*, *Sarah Rees Brennan*, *Ali Baker*

16:30 **Hugo finalists discussion: Best Novel**
3723 Panel 50 minutes Point Square: Stratocaster BC
The panel will discuss the finalists in the Hugo Award category for Best Novel: *The Calculating Stars*, by Mary Robinette Kowal, *Record of a Spaceborn Few*, by Becky Chambers, *Revenant Gun*, by Yoon Ha Lee, *Space Opera*, by Catherynne M. Valente, *Spinning Silver*, by Naomi Novik, *Trail of Lightning*, by Rebecca Roanhorse
Gary K Wolfe (M), *Juan Sanmiguel*, *Claire Rousseau*, *Mur Lafferty*

16:30 **Only happy when it rains: water in SFF**
3717 Panel 50 minutes Point Square: Odeon 3
Water has provided SFF with a rich source of inspiration. Its presence (or absence) colours every climate change story and gives us drowned worlds, desert planets, or eerielow-gravity waves on a terraformed Mars. Water is the setting for journeys of 20,000 leagues and contact with minds beyond our own. This panel will discuss how water can shape themes, settings, and narratives in SFF stories.
Jacey Bedford (M), *Paolo Bacigalupi*, *Adrian Tchaikovsky*, *Cat Sparks*, *James Patrick Kelly*

16:30 **Hand sewing basics**
3705 Workshop 110 minutes Point Square: Warehouse Art Demo Area
Hand sewing was de rigueur until the sewing machine was invented in 1849, and it is still a fundamental part of fine finishes and couture clothing today. Whether you want to sew on a button or want to make a costume and don't have a sewing machine, this hands-on workshop will give you the fundamentals of the tools and methods of hand sewing. Sign-ups in advance will be required for this workshop (limited to 15 people) with a small fee for materials.
Sharon B, *Rebecca Hewett*

16:30 **Is Hari Seldon's project becoming achievable?**
3708 Panel 50 minutes Point Square: Alhambra
People have long tried to predict future outcomes of nations or personal behaviour. Prediction is now enhanced by big data and machine learning. Panellists consider which events we already can predict with high probability. With stochasticity, which events will we never 'get'? What mechanisms would prevent misuse (e.g. for advertising or influencing voting)? What would trigger a 'Seldon Crisis'?
Tomasz Kozlowski (M), *Shmulik Shelach*, *Dr. Sara L. Uckelman*, *Marina Berlin*

16:30 **Medical effects of biological weapons**
3714 Class 50 minutes Point Square: Odeon 4
Paul Hulkovich and Tricia Tynan (Ph.D) present a class on the medical effects of biological weapons.
Paul Hulkovich, *Tricia Tynan PhD*

16:30 **Ethics**
3720 Workshop 50 minutes Point Square: Odeon 6 (Academic)
Business Info Systems, UCCAuthors: Dr Carolanne Mahony, Dr Simon Woodworth, Dr Ciara Heavin, Prof Joseph Feller (not attending)Many of us are now living our lives in a digitally connected world with nearly ubiquitous access to information and to individuals. We form deep everyday relationships with, and dependencies upon, our technologies. Being digital has transformed how we work, play, engage with one another, and understand and define ourselves. We generate and consume an ever increasing amount of data, personal and otherwise, and we continually expand and intensify the domain of technology's impact. In such a world, Mark Zuckerberg's motto 'Move fast and break things', while inspiring, may not be the ideal approach. Not everything that is easily broken can be as easily fixed.In business, education, and society, innovations in areas such as data analytics, artificial intelligence, augmented reality, and the Internet of Things (IoT) continually create both new opportunities and new challenges. This panel is an opportunity to address three key questions:

- How do we ensure that tomorrow's technology leaders have both the innovation and ethical decision-making skills they need?
- How do we ensure that students are cognisant of the wider implications of technological innovation, both positive and negative?
- How do we cultivate a personal sense of responsibility for managing these implications?

Stories have power. Good stories expand our awareness, providing access to new places, people, and situations. Great stories go further to transform our awareness, challenging us to critically imagine new futures, perspectives, and values. We are accustomed to taking seriously the stories of our observable past; we call this history. This panel challenges us to take seriously the stories of our imaginable future; we call this science fiction. Please join us for a lively and open conversation between the panellists and audience, exploring together the potential of using science fiction in different ways to teach ethics in computing and innovation modules in higher education. While the panellists will put forward their own opinions and ideas, they are ultimately there to raise difficult questions, not provide easy answers. The session will focus on gathering insights from the audience and collectively developing ideas on how to challenge students to think critically, ethically, and creatively as they shape our digital future.
Dr Carolanne Mahony (M)

16:30 **Reading: Catherynne Valente**
3699 Reading 20 minutes CCD: Liffey Room-3
Catherynne Valente

16:30 **Autographs: Peter Beagle**
3702 Autographing 50 minutes Point Square: Mezzanine
Peter Beagle

17:00 **Comparable futurist movements**
3759 Panel 50 minutes CCD: Wicklow Room-2
How influenced by Afrofuturism are other world futurist movements such as Sinofuturism, Nippofuturism and Gulf futurism? Do they consider themselves a part of the same futurist tradition, or separate? The panel will discuss visions of the future from world cultures, how they are influenced by the root cultures they draw from, and how (if at all) they relate to Afrofuturism.
Alec Nevala-Lee (M), *Gillian Polack*, *Jeanine Tullos Hennig*, *Shweta Taneja*

17:00 **Epistemologies and disciplines: two astronomers meet**
3726 Dialog 50 minutes CCD: Liffey Hall-2
How does one come to know truth in the science of astronomy? Panellists discuss the role of empiricism and faith in conducting science and how to achieve a balance in knowing truth.
Russ Colson (M), *Prof Jocelyn Bell Burnell*, *Brother Guy Consolmagno*

17:00 **From C3PO to Murderbot: why we love our droids**
3729 Panel 50 minutes CCD: Wicklow Hall 2B
From robots to sentient drones to cyborgs, our not-quite-human creations continue to fascinate, inspire, and break our hearts. As different as Star Trek's Data is from Iain M. Banks's minds, we cannot help but see ourselves in those larger-than-life creations. The panel will discuss the reasons why and how the machine-people serve as a mirror cabinet to humanity.
Karina Steffens (M), *M V Melcer*, *Mika Koverola*, *William Ledbetter*

17:00 **Grappling with the post-colonial in SFF**
3756 Panel 50 minutes CCD: Wicklow Room-1
Over the last 500 years, cultures and histories have been forever altered by colonial expansion. Although many former colonies have gained independence, their peoples still grapple with the effects of colonisation. Can post-colonial SFF help to heal the past? How dopost-colonial SFF authors reconcile the many facets of their identities intheir work, and what do they want their audiences to know?
Professor Fiona Moore (M), *Kat Tanaka Okopnik*, *Brandon O'Brien*, *Likhain*

17:00 **Broad Universe 'Rapid Fire Reading'**
3777 Group reading 50 minutes CCD: Liffey Room-3
Broad Universe is an international organisation for women and female-identifying authors of science fiction, fantasy, and horror, working together to promote women's works in the genres! Our signature event, the 'Rapid Fire Reading', gives each author a few minutes to read from their work. It's like a living anthology of female writers.
Randee Dawn (M), *E. C. Ambrose*, *Juliana Spink Mills*, *Kathryn Sullivan*, *Rebecca Gomez Farrell*, *Elizabeth Crowens*, *Laurel Anne Hill*

17:00 **Censorship in SFF and comics**
3783 Panel 50 minutes CCD: Liffey Room-2
Our genre has long been subject to censorship and control (*D&D*, monster movies). This has led to suppression or trends towards 'vanilla' (safe) content. How do we protect creative expression? How much should we hold to account companies that profit from characters dedicated to justice, inclusion, and diversity while pandering to consumers who are against all of that?
Prof Dave Lewis (M), *Roz Kaveney*, *Sienna Saint-Cyr*, *Mikko Rauhala*

17:00 **Modern alternatives to classic boardgames**
3762 Panel 50 minutes CCD: Wicklow Room-3
The traditional Monopoly, Cluedo and Risk have been replaced by more modern games for many boardgaming hobbyists. Panellists will explore the newer boardgames which have expanded their gaming horizons beyond classic games, and discuss what these developments mean for players.
Liz Dornan (M), *Rachel Scanlon*, *Fergal Mac Carthaigh*, *Simon Litten*, *Robin David*

17:00 **Let's do the time loop again**
3765 Panel 50 minutes CCD: Wicklow Room-4
From *Groundhog Day* to *Star Trek: Discovery*'s 'Magic to Make the Sanest Man Go Mad' and this year's *Russian Doll*, the time loop is a tried and true fan favourite. Why does it work? What does it do? What are our favourite examples?
E. Lily Yu (M), *Shivaun Hoad*, *Laura Antoniou*, *Eliza Bentley*, *Ira Alexandre*

17:00 **Family scavenger hunt**
3789 Children's Programme 120 minutes Spencer Hotel: Columba 1
A fun game for families to enjoy together. Follow the clues around the convention sites and collect all the items. There'll be puzzles and challenges along the way and spot prizes for creativity and inventiveness. Children must be accompanied by an adult and adults must be accompanied by a child; maximum ratio of one adult to three children.
Sal Roche

17:00 **Gaming with Steve Jackson – Friday**
3780 Game 120 minutes CCD: Liffey Hall 1 (Gaming)
Come and play tabletop games with game designer and Guest of Honour Steve Jackson. While everyone is welcome to play games in the Gaming Hall throughout the convention, these sessions guarantee that Steve will be in the room and ready to play!
Steve Jackson

17:00 **eFanzines – live!**
3774 Presentation 50 minutes CCD: Liffey Room-1
Guest of Honour Bill Burns is the creator and curator of the eFanzines website. Join him and Geri Sullivan on a tour of the old and new treasures that are to be found there.
Bill Burns, *Geri Sullivan*

17:00 **ConEIRE**
3771 Play 50 minutes CCD: Wicklow Hall 2A
A love letter to the people who do the thankless work behind the scenes at SFF cons everywhere!It's three days before the start of ConEIRE, the best Irish-themed science fiction and fantasy con in the tri-state area, when a phone call sets the entire Convention Committee into panic mode. Is Big Name Writer going to pull out at the last minute? What does Very Famous Artist have to do with that decision? And what do the fairies have to say about all this? Follow the hilarious mishaps as the committee members work desperately to salvage months of planning and hard work, all of which are about to be undone by a well-known prima donna.
Dr K. A. Laity (M), *Penny Jones*, *Mr simon jones*, *Dr Tracy Fahey*, *Chloë Yates*, *Adele Wearing*, *Tom Everley*

17:00 **Autographs: Friday at 17:00**
3732 Autographing 50 minutes CCD: Level 4 Foyer
CE Murphy, *Dr Inge Heyer*, *Alisa Hellstrom*, *Ellen Datlow*, *Jon Courtenay Grimwood*, *Charlie Jane Anders*

17:00 **Kaffeeklatsch: Grace P. Fong**
3735 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Grace P. Fong

17:00 **Kaffeeklatsch: Holly Black**
3738 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Holly Black

17:00 **Kaffeeklatsch: Lee Moyer**
3741 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Lee Moyer

17:00 **Kaffeeklatsch: Kathleen Lawrence**
3744 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Kathleen Lawrence

17:00 **Kaffeeklatsch: Dr Kristina Perez**
3747 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Dr Kristina Perez

17:00 **Kaffeeklatsch: Paul Cornell**
3750 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Paul Cornell

17:00 **Kaffeeklatsch: Stephen Cass**
3753 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Stephen Cass

17:00 **Transgender and non-binary meetup**
3768 Meetup 50 minutes CCD: Wicklow Room-5
Conventions can be both an exhilarating and a draining place for all of us, and even more so for gender non-conforming fans. Join other fans who fall under the transgender umbrella to commiserate and celebrate our experiences within fandom. (To maintain a safe space, allies are asked not to attend.)
Philippa Ryder (M), *Jacq Applebee* (M)

17:30 **Art Show reception**
3792 Reception 90 minutes Point Square: Warehouse 2 - Performance space
An informal gathering for artists, collectors and all fans of art. Meet some of the people behind the works in this year's Art Show, including some of Dublin 2019's Featured Artists, and visit the Art Show itself. Light refreshments will be served.

17:30 **An introduction to anime and manga**
3798 Panel 50 minutes Point Square: Stratocaster BC
Anime and manga are full of terms that seem strange to many outside Japan. We will find out the difference between anime and manga – no, they are *not* the same – and the difference between kawaii and kowai. And who knows: maybe we'll get some Pocky.
Sakura Perez, *Christopher Hwang*, *Christopher Brathwaite*, *Alicia Zaloga*

17:30 **Quilting in costumes**
3795 Panel 50 minutes Point Square: Alhambra
Panellists discuss quilting techniques and how they can be incorporated into your costume/cosplay design to produce surprising and incredible results.
Jill Eastlake (M), *Dr Michele Bannister*

18:00 **Ireland's legends and lore**
3801 Panel 50 minutes CCD: Liffey Hall-2
Ireland is steeped in legends: from banshee to black dogs, changelings to cluricaun, there's lore around every corner. Come and discover the wealth of stories that Ireland has to offer beyond leprechauns and fairies.
Fionnuala Murphy (M), *Mr Paddy Finn*, *Susan Connolly*, *Lora O'Brien*

18:00 **Introduction to grimdark**
3807 Panel 50 minutes CCD: Wicklow Hall-1
Grimdark is a fantasy subgenre defined, amongst other things, by its cynical outlook and flawed protagonists. The term was originally pejorative, stemming from the *Warhammer 40,000* description: 'In the grim darkness of the far future there is only war' – but many authors have turned the insult around and claimed it as their own. The panel will offer a brief introduction to the history and tropes of grimdark fantasy as well as reading recommendations.
Devin Madson (M), *Elliot Craggs*, *Kim ten Tusscher*, *Cameron Johnston*, *Jenn Lyons*

18:00 **Removing guilt from pleasure in SFF romance**
3840 Panel 50 minutes CCD: Liffey Room-2
Romance literature is as varied and fascinating as the rest of genre fiction. Why should we still call romance a 'guilty' pleasure? Reading about high tech engines and the curves of a spaceship is not more or less valid than reading about the six-pack abs of your vampire lover! The panel will reframe genre romance and recommend their favourite titles and authors.
Lauren James, *Anna Raftery*, *Rotem Baruchin*, *Veronica Belmont*

18:00 **What writers need to know: the brain and body**
3804 Panel 50 minutes CCD: Wicklow Hall 2B
This is the first of a two-part series of panels designed to help authors on science topics. Join our panel of experts who share the ins and outs about the brain and body. Let's dive into what's possible, impossible, and probable at some point in the future. How do you write about medical issues without a medical background? How much do you need to know and how much can you fake, and can a writer ensure that they are getting their body and brain science right?
Benjamin C. Kinney (M), *Daryl Gregory*, *Hadas Sloin*, *Dr Keren Landsman*, *Mick Schubert*

18:00 **Literary Beer: GoH Ian McDonald**
3810 Literary Beer 50 minutes Martin's (CCD: Liffey-A)
Ian McDonald

18:00 **Literary Beer: GoH Ginjer Buchanan**
3813 Literary Beer 50 minutes Martin's (CCD: Liffey-A)
Ginjer Buchanan

18:00 ***Dr. Krell & The Carnyx of Terror***
3843 Play 75 minutes CCD: Liffey-B (Second Stage)
Ireland's international award winning Crazy Dog Audio Theatre returns with *Dr. Krell & the Carnyx of Terror*, a new fantastical radio sci-fi adventure created especially for the Worldcon. What can possibly go wrong when a mad scientist bent on world domination seeks the Carnyx of Terror, an ancient enchanted Irish battle horn of unfathomable power? This hilarious hour-long adventure, in which science fiction collides with Irish folklore, features a stunning cast of international professional voice talents drawn from film, television, radio, and animations. Among the stars in the show are: Phil Proctor (*Rugrats*, *The Firesign Theatre*, *Monsters Inc.*, *Finding Nemo*, *Toy Story*), Morgan C. Jones (*Game of Thrones*, *Frankenstein Chronicles*, *Penny Dreadful*, *Ripper Street*, *Vikings*), Melinda Peterson (*Jag*, *MacGyver*, *The Twilight Zone*), and Roger Gregg (*Space Chickens*, *The Hitchhiker's Guide to the Galaxy: Tertiary Phase*).Prepare to be enthralled as this rollicking radio comedy stretches your audio imagination with an astounding array of live sound effects and music.
Roger Gregg (M), *Phil Proctor*, *Mr Morgan C Jones*, *Miss Sinead Keegan*, *Mr John Cullen*, *Melinda Peterson*, *Siofra Brogan*, *Mr Dylan Tonge Jones*, *Thom McDermott*

18:00 **Reading: Julia Rios**
3837 Reading 20 minutes CCD: Liffey Room-3
Julia Rios

18:00 **Neurodiversity meetup**
3834 Meetup 50 minutes CCD: Liffey Room-1
We aim to create a welcoming environment for all, but even the best spaces can be difficult to navigate if you are neurodiverse. This meetup is for neurodiverse people to hang out and meet other individuals who may share similar experiences. (Neurodiversity encompasses mental illness, autism, learning disabilities, and anything else affecting brain function. We ask neurotypical members of the Worldcon not to attend.)

18:30 **Reading: Alex Acks**
3849 Reading 20 minutes CCD: Liffey Room-3
Alex Acks

19:00 **Speculative biology: an evolving field**
3867 Panel 50 minutes CCD: Liffey Room-1
An introduction to the art and field of speculative biology (aka speculativeevolution). Panellists will address three questions, focusing on how we make the relevant plants and animals scientifically plausible: What is the future of life onEarth? How might life on Earth have turned out differently if events hadoccurred differently? What could life on other planets be like?
Dr Helen Pennington (M), *S. Spencer Baker*, *Dr V Anne Smith*, *Adrian Tchaikovsky*, *Dr Bob*

19:00 **Black superheroes in TV and film**
3855 Panel 50 minutes CCD: Wicklow Hall 2B
It's not just Black Panther. Miles Morales stormed into cinemas at the end of last year; on the small screen, we've had Luke Cage and Black Lightning. (And in print, Nnedi Okorafor has kicked off a new series about Shuri.) As we continue to see more leading roles for black superheroes, how are they redefining familiar tropes and narratives around gender, technology, and community?
Russell A Smith (M), *Tanya DePass*, *Errick Nunnally*, *Rivers Solomon*

19:00 **Writing outside western expectations**
3873 Panel 50 minutes CCD: Liffey Room-2
Many authors have been told by the publishing industry that SFF set outside the western experience is not commercially viable, and have been advised to make their writing more palatable to western audiences. The panel will discuss these difficulties and the influences they have drawn on for their writing.
Regina Kanyu Wang (M), *Mr Micah Yongo*, *Georgina Kamsika*

19:00 **The magic of beauty**
3852 Panel 50 minutes CCD: Liffey Hall-2
In what sense has beauty been treated as a special gift that only some possess? How has it functioned as a narrative device that gives its holders an exclusive form of power, especially in reference to the place of girls and women in patriarchal societies? How do social constructions of beauty differ cross-culturally and historically? For whom is beauty limiting? For whom is it empowering?
Kate Elliott (M), *Jeannette Ng*, *R.F. Kuang*, *Vida Cruz*, *Navah Wolfe*

19:00 **Hugo finalists discussion: Best Dramatic Presentation**
3858 Panel 50 minutes CCD: Wicklow Hall-1
Our panel will discuss this year's finalists in the Hugo Award category for Best Dramatic Presentation. What will win? What should win? And what else should have been shortlisted?
Mark Bernstein (M), *Dr Tony Keen*, *Marina Berlin*, *Olav Rokne*, *Phoebe Wagner*

19:00 **Ceilidh workshop**
3864 Workshop 60 minutes CCD: Wicklow Hall 2A
The Science Ceilidh Band is formed from the team of Lewis Hou (fiddle, calling), Lewis Williamson (fiddle), Gary Rafferty (guitar) and Helen Le-Mar (flute, calling).The band have played their high energy take on traditional Scottish music around Europe, incorporating elements from continental balfolk, quebecois and nordic traditions, with a cheeky dash of techno and geek culture for good measure, into their ceilidhs for festivals, events, weddings and conferences. Highlights have included TEDxGlasgow, the Royal Society, Physiological Society Conference, Big Bang Bash at National Museum Scotland, Green Man Festival (Einstein's Garden), headlining Solarsphere in Wales, Mugstock Festival, and weddings in Germany, Switzerland, Sweden, and Ireland.
Mr Lewis Hou, *Mr Gary Rafferty*, *Miss Helen Le-Mar*

19:00 **Reading: Anne Charnock**
3870 Reading 20 minutes CCD: Liffey Room-3
Anne Charnock

19:00 **Literary Beer: Ian Watson**
3861 Literary Beer 50 minutes Martin's (CCD: Liffey-A)
Ian Watson

19:30 **Reading: Lisa Tuttle**
3876 Reading 20 minutes CCD: Liffey Room-3
Lisa Tuttle

20:00 **Anniversary: *The Left Hand of Darkness* (book)**
3882 Panel 50 minutes CCD: Wicklow Hall 2B
It is the 50th anniversary of *The Left Hand of Darkness* by Ursula K. Le Guin. For many, this book has been an eye-opening presentation of gender. How has it influenced and shaped gender in SFF books? Where has the genre gone since?
Cheryl Morgan (M), *Laura Lam*, *Dr Nick Hubble*, *Ell Schulman*

20:00 **Quiz: romance plot or not?**
3879 Quiz/Gameshow 50 minutes CCD: Liffey Hall-2
Join the gang from the Viking Booty book club for a quiz with a difference! From billionnaire werebears to Viking vampire angels, genre romance often puts the bonk into bonkers! Each round of the quiz will include several romance novel plots, but one of them is not real. Can you tell the fact from the fiction?You can either form a team in advance or we will find you the perfect match.
Liz Loikkanen (M), *Kerstin Eksmo*, *Linnea Sternefält*, *Lena Wiberg*, *Ebba Svegelius Gunnarsson*

20:00 **Dublin's Worldcon Orchestra**
3906 Event 110 minutes CCD: Auditorium
Friday night brings an unmissable treat with the inaugural live performance of Dublin's Worldcon Orchestra, produced by Adam Robinson. Our programme for the evening will include musical works inspired by science fiction, fantasy, and the music and heritage of Ireland.
Gary Lloyd

20:00 **From concept to the screen**
3885 Panel 50 minutes CCD: Wicklow Hall-1
What are the unique challenges of creating art for film-makers? From static ideas on a flat surface to 3D in real life, and then back to two dimensions on the big screen, what surprises have these artists encountered?
Norman Cates (M), *Gregory Norman Bossert*, *M V Melcer*, *Charles Vess*, *Greg Chivers*

20:00 **LIterary Beer: GoH Steve Jackson**
3888 Literary Beer 50 minutes Martin's (CCD: Liffey-A)
Steve Jackson

20:00 **Reading: Naomi Kritzer**
3900 Reading 20 minutes CCD: Liffey Room-3
Naomi Kritzer

20:00 **Literary Beer: Charlie Jane Anders**
3891 Literary Beer 50 minutes Martin's (CCD: Liffey-A)
Charlie Jane Anders

20:30 **Concert: The Doubleclicks**
3915 Concert 60 minutes CCD: Liffey-B (Second Stage)
The Doubleclicks are a folk-pop sibling duo, featuring clever lyrics about dinosaurs, literature, love, and the Internet – with a cello, guitar, and meowing kitten keyboard. Their latest CD, *Love Problems*, debuted at number one on the Billboard comedy albums chart, and they've toured the world, performing at conventions, comedy festivals, and more. Their songs and YouTube videos have been viewed over 4 million times and are frequently featured on BoingBoing, Kotaku, the Huffington Post, and on NPR shows *Live Wire, All Things Acoustic*, and *State of Wonder*..
Laser Malena-Webber, the Doubleclicks, *Aubrey Turner*

20:30 **Reading: Gareth Powell**
3912 Reading 20 minutes CCD: Liffey Room-3
Gareth Powell

21:00 **Yes! Yes! Yes! Sex positivity in SFF**
3918 Panel 50 minutes CCD: Liffey Hall-2
Sex positivity encourages us to remove the stigma from consensual sex, allowing characters to explore sexual relationships without judgement. How has SFF's relationship with sex, and sex positivity, shifted over time? Can characters be said to be 'sex positive'? Can the alien nature of SFF societies offer opportunities to embrace sex positivity, and escape current systemic biases and repressions?
Annalee Newitz (M), *Vina Prasad*, *K.M. Szpara*, *Rosanne Rabinowitz*

21:00 **Why is it always raining in Gotham? Noir themes in SF**
3921 Panel 50 minutes CCD: Wicklow Hall 2B
Noir tropes are hugely popular in science fictional settings, such as China Miéville's *The City and the City*, or William Gibson's *Neuromancer*. In what ways are noir tropes adapted or subverted within the genre? Is there a difference in the ways SF books, comics, and movies use elements of noir? The panel will discuss the uses of noir across SF genres and formats.
Madeline Ashby (M), *Errick Nunnally*, *Laurence Raphael Brothers*, *Dr K. A. Laity*

21:00 **Screening with Q&A: *Judas Ghost***
3924 Media 110 minutes CCD: Wicklow Hall-1
Professional ghost finders are trapped in an old village hall. The haunting they set out to investigate turns out to be far worse than they expected. Who survives – and what's left of their souls? Screening followed by a Q&A with screenwriter Simon R. Green and executive producer Steve Lovett.
Simon R Green, *Steve Lovett*

21:00 **Friday filk circles 1**
3933 Concert 170 minutes CCD: Liffey Room-1

21:00 **Friday filk circles 2**
3936 Concert 230 minutes CCD: Liffey Room-2

21:00 **Ceilidh dance**
3930 Dance 175 minutes CCD: Wicklow Hall 2A
The Science Ceilidh Band is formed from the team of Lewis Hou (fiddle, calling), Lewis Williamson (fiddle), Gary Rafferty (guitar) and Helen Le-Mar (flute, calling).The band have played their high energy take on traditional Scottish music around Europe, incorporating elements from continental balfolk, quebecois and nordic traditions, with a cheeky dash of techno and geek culture for good measure, into their ceilidhs for festivals, events, weddings and conferences. Highlights have included TEDxGlasgow, the Royal Society, Physiological Society Conference, Big Bang Bash at National Museum Scotland, Green Man Festival (Einstein's Garden), headlining Solarsphere in Wales, Mugstock Festival, and weddings in Germany, Switzerland, Sweden, and Ireland.Sponsored by the Glasgow in 2024 Worldcon bid.
Mr Lewis Hou, *Mr Gary Rafferty*, *Miss Helen Le-Mar*

21:00 **Literary Beer: Geri Sullivan**
3927 Literary Beer 50 minutes Martin's (CCD: Liffey-A)
Geri Sullivan

22:00 **Not beyond Tolkien**
3942 Panel 50 minutes CCD: Wicklow Hall 2B
There has been much discussion of how elements of Tolkien's work have become staples in fantasy and how certain tropes are Tolkienesque, but what about the things Tolkien did that have become rare or unusual? 'Tolkienesque' has become shorthand for general high fantasy, but the panel will discuss the aspects of his work that did not spread widely beyond him.
Dr Nick Hubble (M), *Justin Call*, *Ms Sultana Raza*, *Amal El-Mohtar*

22:00 **Media sing-along**
3945 Concert 110 minutes CCD: Liffey-B (Second Stage)
Let's face it: we watch stuff, we hear familiar music, and we start to sing along. And sometimes we get weird looks for doing it… Join us as we watch and sing along, free from judgement!
Kathy Bond, *Christopher Garcia*

22:00 **Speed friending**
3939 Quiz/Gameshow 50 minutes CCD: Liffey Hall-2
We provide the questions; you have two minutes to discuss yours with whoever is in front of you – and when the time is up, you switch partners. It's a great way to find new friends!
Ric Bretschneider (M)

23:00 **Werewolf!**
3948 Game 110 minutes CCD: Liffey Room-3
Are you a werewolf? Join us for a fun interactive game of deduction and survival for two teams: villagers and werewolves. No sign-up required. Each game takes about 45 minutes. So if you're a few minutes late, no worries: just watch and then join in the next game.

Saturday

08:30 **parkrun Dublin**
4009 Meeting 180 minutes Other: Fringe
We will meet at 8:30 outside the CCD, which gives us time to take a taxi, public transport – or, indeed, walk or run! – to Fairview Park, well in time for the run briefing and the start of the run at 9:30. Fairview Park's parkrun is a three-lap course on grass and tarmac that brings runners within shouting distance of Bram Stoker's former residence in Marino Crescent. After the parkrun, some of us may grab a coffee with other parkrunners in a local café; otherwise, feel free to return to the convention (about a 30 minute walk or ten minutes by bus).This event is free, but if you don't already have a parkrun bar code, please register, print your barcode, and bring it with you. (Your barcode can then be used for any of the other 630+ parkruns in the world.)Cosplayers would be especially welcome!

Anton Sweeney (M)

09:00 **Accessible yoga**
4015 Workshop 50 minutes CCD: Wicklow Room-5
An inclusive yoga class for people of all abilities. Practise in a chair or on a mat with optional standing poses. Participants move, stretch, rejuvenate, and relax through a series of gentle yoga movements, breathing exercises, and meditation. Explore at your own pace in a welcoming and inclusive group. Companions/support people welcome.Bring water and a yoga mat or use a chair/wheelchair. Wear comfortable clothing that lets you move easily.
Ty Arnold

09:00 **Stroll with the stars: Saturday**
4012 Stroll 50 minutes CCD: Ground Floor Foyer
Ruth Frances Long, *Vanessa Rose Phin*, *Sazib Bhuiyan*, *Sheila Williams*, *Kate Baker*, *Kieron Gillen*

09:30 **Spaceship building competition: LEGO**
4027 Children's Programme 50 minutes Spencer Hotel: Columba 1
What kind of spaceship can you build out of LEGO in one hour? We'll provide the LEGO and any help you need with your design. There will be three age categories: 4-6, 7-9 and 10-12. Children must come up with the design themselves, but can be assisted by a parent or guardian. Note: you do not need to enter the competition to take part in this event.
James Shields

10:00 **Misconceptions in medieval history**
4072 Panel 50 minutes CCD: Wicklow Room-4
The medieval period is a rich source of inspiration for writers of speculative fiction, but medieval life has been so romanticised in popular culture that it has become hard to separate the chaff of fiction from the wheat of historical fact. Our panel of medievalists will saddle up their warhorses and ride to rescue the damsel of medieval history!
E. C. Ambrose (M), *Rebecca Slitt*, *S.A. Chakraborty*, *Dr K. A. Laity*

10:00 **Space opera is for robots; soap opera is for people**
4030 Panel 50 minutes CCD: Liffey Hall-2
Will humans ever live long-term in space, or is it easier to let our 'mind children' go to the stars, whether as uploaded minds or independent intelligences? If humans (or AI) leave for space, would we miss them?
Lauren James (M), *Diane Duane*, *Karl Schroeder*, *Laurence Raphael Brothers*

10:00 **How astronomy might break physics**
4036 Panel 50 minutes CCD: Wicklow Hall-1
Astronomy and physics don't always have an easy relationship, for example regarding the singularity. Panellists consider how astronomy might break physics with phenomena like resolution of the black hole information paradox, time travel, multiverses, and quantum space engines.
John Bray (M), *Dr Edmund Schluessel*, *Dr Laura Woodney*

10:00 **Revolutions in an era of advanced technology**
4069 Panel 50 minutes CCD: Wicklow Room-3
How do revolutions (e.g. overthrowing government) occur in an era of advanced technologies? Are orderly regime changes jeopardised with growing asymmetries in weaponry, surveillance, and political power? Are current political processes up to the challenge?
Marguerite Kenner (M), *Ms Maria Farrell Ms*, *Klaus Æ. Mogensen*, *Catherynne Valente*

10:00 **Full contact medieval combat demonstration**
4039 Demonstration 40 minutes CCD: Level 4 Foyer
Fighters from the Irish full contact medieval combat team will be on hand to demonstrate their high intensity, exciting sport, and to talk about the realities of using weapons and armour.

10:00 **Monsters: from antagonist to hero**
4066 Panel 50 minutes CCD: Wicklow Room-2
From *The Creature From the Black Lagoon* to *The Shape of Water*, from Nosferatu to Edward Cullen, the role of monsters in books, movies, and comics is shifting. What are the underlying causes of this shift? What does it say about our society?
Robert V. S. Redick (M), *Lindsay Ellis*, *Jay Key*, *Carrie Vaughn*

10:00 **Northern Irish SFF**
4087 Panel 50 minutes CCD: Liffey Room-2
SFF in Northern Ireland isn't just about *Game of Thrones* location tours! NI has a long tradition of writers of the fantastical and science fictional – from Flann O'Brien to Ian McDonald – as well as a unique history which provides plentiful material for SFF writers. So how can the SFF scene in NI be supported and brought to greater prominence?
Catherine Sharp (M), *Trevor Kennedy*, *Ian McDonald*, *Jo Zebedee*

10:00 **Gender and sexuality in YA**
4060 Panel 50 minutes CCD: ECOCEM Room
Young adulthood is a formative time in many ways, but especially when it comes to gender and sexuality. Both topics have been increasing in interest and importance in YA books. How do our books reflect explorations of identity? Why is it important that they do so? Has this changed over time? And how can we approach these topics respectfully – and with an eye on intersectionality?
Sam Bradbury (M), *Diana M. Pho*, *Victoria "V.E." Schwab*, *Rei Rosenquist*, *Rachel Hartman*

10:00 **Biology and hard SF: predicting the future**
4078 Panel 50 minutes CCD: Wicklow Hall 2A
Hard SF can be defined by the science of the era in which it was written, leading to a shift from engineering to biology. Cloning and gene-editing, like teleportation and FTL drives, began as speculative tropes but have become a reality. The panel discusses classic examples of SF rooted in the biological sciences and discuss current works that may illustrate where the science is headed.
Derek Kunsken (M), *Mick Schubert*, *Dr V Anne Smith*, *Christianne Wakeham*

10:00 **The history of tabletop gaming**
4033 Panel 50 minutes CCD: Wicklow Hall 2B
Tabletop gaming has changed in many ways since its earliest days. A panel of game designers, with a lot of experience between them, discuss the changes they've seen – and what has stayed exactly the same!
Mr. Colm Lundberg (M), *Steve Jackson*, *Tom Lehmann*, *Helena Nash*

10:00 **YA chills and thrills: reading and discussion**
4075 Workshop 50 minutes CCD: Wicklow Room-5
The supernatural is often a key ingredient in YA SFF literature, but how do you use it effectively without going overboard? Lodestar Award finalist Peadar Ó Guilín will kick off the workshop with a reading of an effective supernatural short story, followed by an analysis and discussion of how to create a really creepy atmosphere in your own work.
Peadar Ó Guilín (M)

10:00 **Masquerade contestant briefing**
4090 Event 60 minutes CCD: Auditorium
ALL Masquerade entries are required to attend this safety and orientation meeting. Large group entries may send a representative, but we encourage as many people in the group as possible to be present.In this meeting, we will go over the order of events for the show, where you need to be, and when you need to be there. Time and space permitting, we will do a walk-through of the backstage and stage areas.
Kevin Roche (M)

10:00 **WSFS Business Meeting: main session**
4096 Meeting 170 minutes Point Square: Stratocaster A
Joining Dublin 2019 made you a member of the World Science Fiction Society, the organisation that has sponsored Worldcons since 1939. WSFS holds its business meeting annually at the Worldcon, making the rules that govern Worldcons and the Hugo Awards. Every attending member of Dublin 2019 is welcome to attend the meeting, participate in debates, and vote. Today's first main meeting will consider the items on the agenda established at yesterday's preliminary meeting. Try to arrive early to collect and read agenda handouts.

10:00 **Creating from different disciplines**
4063 Panel 50 minutes CCD: Wicklow Room-1
Creatives from different disciplines take a common concept and explain how they would approach it from their respective fields.
Mary Robinette Kowal (M), *Afua Richardson*, *Jim Fitzpatrick*, *Taiyo Fujii*, *Ben Hennessy*

10:00 **My convention does it this way…**
4081 Panel 50 minutes CCD: Liffey Room-1
Fan-run conventions and the communities that surround them have certain similarities, no matter where in the world they are… Or do they? How hard is it to run outdoor LARPS in a metre of snow, or host a con somewhere without suitable venues? Our global panel talks about the similarities and differences between their local convention fandoms.
Gérard Kraus (M), *Dr Feng Zhang*, *Liat Shahar-Kashtan*, *Gay Haldeman*

10:00 **NASA astronaut training**
4093 Presentation 50 minutes CCD: Liffey-B (Second Stage)
Jeanette Epps will describe her experience being trained as a NASA astronaut – training that covers the entire lifecycle of the mission, as well as accomplishing specific scientific goals. She will also let us know how being an aquanaut makes one a better astronaut.
Jeanette Epps

10:00 **Reading: Paul Cornell**
4084 Reading 20 minutes CCD: Liffey Room-3
Paul Cornell

10:00 **Kaffeeklatsch: Gregory Norman Bossert**
4042 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Gregory Norman Bossert

10:00 **Kaffeeklatsch: Juliet Mushens**
4045 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Juliet Mushens

10:00 **Kaffeeklatsch: Andy Dudak**
4048 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Andy Dudak

10:00 **Kaffeeklatsch: Anne Clarke**
4051 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Anne Clarke

10:00 **Kaffeeklatsch: Ian R MacLeod**
4054 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Ian R MacLeod

10:00 **Kaffeeklatsch: Rebecca Roanhorse**
4057 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Rebecca Roanhorse

10:30 **Getting your hands dirty**
4129 Panel 50 minutes Point Square: Odeon 1
As digital art continues its steady takeover of the commercial art world, we have a chat about the old school ways and the physical materials we're leaving behind. Will we miss them when they're gone?
Maeve Clancy, *Kaja Foglio*, *Rob Carlos*

10:30 **The cost of comics: what format works best?**
4114 Panel 50 minutes Point Square: Odeon 5
Roy of the Rovers went from a weekly strip to a book and is now being relaunched as quarterly graphic novels. *Shonen Jump* (the world's most famous weekly comic) is moving to a free online model with downloads on subscription. As costs increase for individual issues, should we move to larger publications released at longer intervals? Is it possible to balance what is best for readers, creators, and publishers?
Ed Fortune (M), *Jaime Garmendia III*, *Scott Edelman*, *Raya Golden*

10:30 **The artificial uterus in science and science fiction**
4120 Talk 50 minutes Point Square: Odeon 3
Many SF works have the idea of an artificial uterus, e.g. Huxley's *Brave New World*, Herbert's *Dune*, Bujold's Vorkosigan Saga. We discuss the artificial uterus from a scientific perspective, including the biological and technical difficulties. Then we review the concept of the artificial uterus in SF and examine how its invention affects the society in which it is created, especially women's status in it.
Hadas Sloin

10:30 **Stitch 'n' bitch**
4108 Workshop 50 minutes Point Square: Warehouse Art Demo Area
UFO (UnFinished Object) encounter, knit 'n' natter… No matter what you call it, this is the place to come and work on your handicraft project and maybe have a great conversation. Who knows, you might even find help if you're stuck (not guaranteed). NOT a quiet room!
Juliet Kemp (M), *Anne Lyle* (M)

10:30 **Writing realistic injury scenarios**
4117 Presentation 50 minutes Point Square: Odeon 4
What happens when there is a medical emergency in space? Hollywood often gets this wrong. Hear about the reality, and about how realistic injury scenarios should be written.
Bruce Davis

10:30 **Hyperbolic crochet**
4111 Presentation 50 minutes Point Square: Alhambra
This panel/workshop is for those who would like to learn a little about hyperbolic geometry, using great visual aids, or those interested in learning a new crochet technique that can produce some spectacular effects. Based on the 2007 book *Crocheting Adventures with Hyperbolic Planes: Tactile Mathematics, Art and Craft for All to Explore* by Daina Tiamina of Cornell University.
Dr Nicholas Jackson (M), *Constanze Hofmann*

10:30 **AI is coming for your art**
4123 Panel 50 minutes Point Square: Odeon 2
AIs are writing, drawing, sculpting, and making music. In China, artificial people are already reporting the news. As the value of art dissipates in the digital world, are the Terminators coming for our paintbrushes?
Bruno Puelles (M), *Fred Gambino*, *Gerald M. Kilby*, *Dana L. Little*, *Tom Toner*

10:30 **YA**
4126 Academic 50 minutes Point Square: Odeon 6
(Academic)
1. Ali Baker – 'The Countryside in Children's Fantasy Fiction'2. Alyssa Hillary – 'Representing Neurodiversity in YA Speculative Fiction'

10:30 **Concert: Sassafras**
4102 Concert 50 minutes Point Square: Warehouse 2
- Performance space
Tales from Viking mythology set as close harmony a cappella music narrating the creation of the cosmos, the strife between Odin & Loki, and the coming of Ragnarok, plus other science fiction and fantasy themes. Composed by Ada Palmer (author of the Terra Ignota series).
Ada Palmer, *Lauren Schiller*

10:30 **Shooting for the stars**
4132 Children's Programme 50 minutes Spencer Hotel: Columba 1
Dr Norah Patten is an engineer and a citizen scientist-astronaut candidate with Project PoSSUM. Norah will take the audience on a journey to the stars, explaining the different elements of a space mission and using videos of her training to explain what it takes to prepare for space flight. The audience will then be tasked with creating their own space mission and designing a space mission patch.
Dr. Norah Patten

10:30 **Autographs: Sana Takeda**
4105 Autographing 50 minutes Point Square: Mezzanine
Sana Takeda

10:30 **Reading: Simon R. Green**
4099 Reading 20 minutes CCD: Liffey Room-3
Simon R Green

11:00 **Irish cons: our past and our future**
4141 Panel 50 minutes CCD: Wicklow Hall-1
The Irish Science Fiction Association was founded in 1976 and the gaming con Leprecon was founded in Trinity College Dublin in 1980, but regular cons weren't organised in Ireland until the 1990s. Join us for a conversation about more than 40 years of Irish fandom, Star Trek, gaming and anime con history – and some thoughts about the future of our community.
Janet O'Sullivan (M), *Brian Nisbet*, *Michael Carroll*, *Sakura Perez*, *Philippa Ryder*

11:00 **Crafting a fantasy novel from mythology**
4168 Panel 50 minutes CCD: Wicklow Room-1
Myths, legends, and folklore can provide rich sources of inspiration for fantasy writers, but are often complex and varied. Today's audiences look for coherent narrative arcs and complex characters. You might set out to retell the old story, or seek to blend them with original material, but how do you create a fantasy novel for today from these tangled webs?
Dr Tony Keen (M), *Mark Tompkins*, *Karolina Fedyk*, *Claire Light*

11:00 **What is African science fiction?**
4192 Panel 50 minutes CCD: Liffey Room-2
African SF has been around a long time in various guises but increasingly is gathering critical mass, both on the continent and within the diaspora. The panel will discuss what's out there – and how it differs and/or overlaps with concerns in both western SF and Afrofuturism.
Mr Micah Yongo (M), *Nick Wood*, *Geoff Ryman*, *Rafeeat Aliyu*

11:00 **Critics talk 2018: the year in books**
4165 Panel 50 minutes CCD: ECOCEM Room
Ever struggled to decide what to read next? The number of books appearing every year can be overwhelming and choosing the best of the bunch is like finding a needle in a giant stack of needles. To support you in this pursuit we asked critics to recommend their favourite books from 2018.
Dr Liz Bourke (M), *Gary K Wolfe*, *Mari Kotani*, *Roz Kaveney*

11:00 **Be the Serpent podcast: live recording**
4138 Podcast 50 minutes CCD: Wicklow Hall 2B
Be the Serpent is a speculative fiction, media, and fanfiction analysis podcast hosted by three redheaded fantasy authors. Come and join us for a live recording, featuring trope taxonomies, enthusiastic dissection of this episode's featured stories, dozens of recs, and more dirty jokes than you could shake a snake at. It is, after all, a podcast of extremely deep… literary merit.
Jennifer Mace, *Freya Marske*, *Alexandra Rowland*

11:00 **Rural pagans, haunted forests: folk horror revival**
4135 Panel 50 minutes CCD: Liffey Hall-2
With its roots in folklore and rural life, 'folk horror' has enjoyed a huge resurgence in the last few years. What is folk horror, and why is it suddenly so popular? Is it nostalgia-based, or are there new anxieties at work that have driven its rise?
Tim Major (M), *Ramsey Campbell*, *Lisa Tuttle*, *Neil Williamson*

11:00 **Fighting Words: creativity in everyone**
4180 Talk 80 minutes CCD: Wicklow Room-5
Fighting Words, a creative writing centre with a particular focus on children and young people, was founded on the belief that everyone has a story worth telling. This interactive talk introduces Fighting Words to anyone not familiar with the organisation, now in its tenth year, and invites you to partake of some of the creative magic that has produced many hundreds of stories in the last decade. Extreme silliness may ensue.
Rosa Devine

11:00 **Patreon: the evolution of supporting the arts**
4183 Panel 50 minutes CCD: Wicklow Hall 2A
Serialised fiction, topical articles, featured interviews, and more! Patreon provides a new way for authors to generate income and for fans to support creators. But what is Patreon? How does it work and can you really make money? What expectations do people bring with them? And is there a dark side to publishing on the platform? Who owns the published material, and what part does copyright play?
Jaine Fenn (M), *Gareth Powell*, *Nicolette Stewart*, *Legendgerry*

11:00 **Improv as a writing tool**
4171 Panel 50 minutes CCD: Wicklow Room-2
Writing comes with its own set of challenges, especially with looming deadlines, painful plot holes, and writer's block. There are many tools in a writer's toolbox, but sometimes you just need to try something new. Our set of panellists and improv artists share how improv can help ignite the creative spark. They share how improv works, tips for tapping into hidden veins of creativity, and overcoming personal restraints.
Manny Frishberg (M), *Sazib Bhuiyan*, *Ellen Klages*, *Auston Habershaw*

11:00 **Convention tour – Saturday**
4198 Docent 50 minutes Other: Miscellaneous - Onsite
Welcome to Dublin 2019, an Irish Worldcon! Our convention tour leaders are here to help introduce you to the convention, show you where everything is, and make some suggestions of things you shouldn't miss. Highly recommended for anyone who hasn't attended a Worldcon before.The tour will start by the Registration area.
Leane Verhulst

11:00 **Introduction to *Dungeons & Dragons***
4174 Workshop 50 minutes CCD: Wicklow Room-3
This workshop will focus on introducing attendees to the core rules of *Dungeons & Dragons* (5th Edition). In addition to learning the rules, each attendee will create their own character which they will then be able to use to play *Dungeons & Dragons* introductory games held throughout the convention.This is a repeat of 'Introduction to *Dungeons & Dragons*' on Thursday, for those unable to make that session.
Gregor Hutton

11:00 **Scoring the fantastic**
4177 Talk 50 minutes CCD: Wicklow Room-4
Music is integral to science fiction and fantasy stories in film and television. After all, without an eerie theremin accompaniment how would aliens ever make it to Earth? Sam Watts, composer for *The Sarah Jane Adventures* and *Wizards vs Aliens*, demonstrates the process of writing music for sci-fi and fantasy using examples of his work – and, if time permits, he'll compose a brand-new piece live.
Sam Watts

11:00 **Artemis: Apollo's big sister**
4195 Panel 50 minutes CCD: Liffey-B (Second Stage)
Recently NASA selected three lunar landers for taking scientific instruments to the Moon. This is the start of many steps towards the goal of returning to the Moon in 2024. What needs to be done, what is planned, and how does this compare with initiatives from other countries?
Alan Smale (M), *Jeanette Epps*, *Becky Chambers*, *Ian Sales*, *Geoffrey A. Landis*

11:00 **Saturday feedback session**
4186 Panel 50 minutes CCD: Liffey Room-1
What's going well? What's not going well? Come and share your positive and negative feedback with the convention organisers so that we can address concerns (where possible) and pass along the compliments to our hard-working staff and volunteers!

11:00 **Reading: Adrian Tchaikovsky**
4189 Reading 20 minutes CCD: Liffey Room-3
Adrian Tchaikovsky

11:00 **Autographs: Saturday at 11:00**
4144 Autographing 50 minutes CCD: Level 4 Foyer
Joe Abercrombie, *Justin Call*, *S.A. Chakraborty*, *Scott Lynch*, *James Smythe*, *Cadwell Turnbull*

11:00 **Kaffeeklatsch: Lex Beckett**
4147 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Lex Beckett

11:00 **Kaffeeklatsch: Marieke Nijkamp**
4150 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Marieke Nijkamp

11:00 **Kaffeeklatsch: Phil Foglio**
4153 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Phil Foglio

11:00 **Kaffeeklatsch: Fran Wilde**
4156 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Fran Wilde

11:00 **Kaffeeklatsch: Mrs Emma Newman**
4159 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Mrs Emma Newman

11:00 **Kaffeeklatsch: Yoon Ha Lee**
4162 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Yoon Ha Lee

11:30 **Fantastic buildings and where to find them**
4231 Panel 50 minutes Point Square: Odeon 1
We look at the architecture in fantastic worlds. Could it exist? Does it work? And what could, or would, we do if anything were possible?
Gary Ehrlich (M), *Dominic Riemenschneider MA*, *Grace P. Fong*, *Taiyo Fujii*, *Dr Sorcha O'Brien*

11:30 **The right style for the story**
4216 Panel 50 minutes Point Square: Odeon 5
With so many different ways to illustrate a story, how do writers, designers, and editors choose an illustrator? And how can it change a story when it is illustrated in a different style, by a new artist?
Anne Perry (M), *Pablo Defendini*, *Oisin McGann*, *Ranylt Richildis*

11:30 **You can be Spider-Man!**
4222 Panel 50 minutes Point Square: Odeon 3
Do you think you can't costume/cosplay your favourite character? 'Anyone can wear the mask,' Miles is told in *Spider-Man: Into the Spider-Verse*. Our panellists will prove it by showing examples of people who have successfully made and worn costumes 'outside the box'. This panel is geared towards children, but all are welcome and encouraged!
Sharon B (M), *Derwin Mak*, *Jennifer Skwarski*, *Janine Wardale*, *John Wardale*

11:30 **The camera lies**
4225 Panel 50 minutes Point Square: Odeon 2
Is there such a thing as an honest image any more? Was there ever? From filters on our phone cameras to recreating pictures in Photoshop, photography has become infinitely malleable since it changed from digital to film. Now that we're developing the ability to edit video in real time, how can we figure out when we're being lied to? And what does it mean for society at large?
Rick Wilber (M), *Sakuya*, *Zaza Koshkadze*, *Stephen Nelson*

11:30 **Comic art: a buyer's market**
4213 Panel 50 minutes Point Square: Alhambra
There are far more artists trying to get into mainstream comics than there is work for them to do. This means that firms always have the advantage when they're dealing with new artists. What are the less obvious areas where it's possible to find comics work, and how do you avoid being taken for a ride?
Christopher Hwang (M), *CE Murphy*, *Tara Ferguson*, *Leeann Hamilton*

11:30 **Stellar Enterprises**
4234 Children's Programme 50 minutes Spencer Hotel: Columba 2
Stellar Enterprises are four Irish boys, aged 10 and 11, who have put together a business plan and received funding for publishing their own hand-drawn comic book and games. Come to meet them and hear about their journey.

11:30 **Crusaders and Fairy Kings**
4228 Academic 50 minutes Point Square: Odeon 6
(Academic)
1. Dr Claire Collins – 'Truth vs Fiction: Ireland in *Crusader Kings II*'2. Dr K. A. Laity – 'Mad, Bad, and Dangerous to Know: the Celtic Fairy Realm in Susanna Clarke's *Jonathan Strange and Mr Norrell*'

11:30 **Concert: Kerri-Ellen Kelly**
4207 Concert 50 minutes Point Square: Warehouse 2 - Performance space
Kerri-Ellen Kelly is the manager of (and singer in) vocal ensemble Court & Country (which has sung at midwest SF and filk conventions as well as Chicon 7, OVFF, FKO and Confluence). She is also a solo musician in her own right. In addition to singing as a mezzo soprano, she plays or is learning to play multiple instruments including horn, trombone, soprano recorder, bagpipes, baritone ukulele, guitar, violin, and mandolin – at widely varying levels of competency. Her love of both research and early music have caused her to include numerous medieval and renaissance songs in her repertoire, with a particular fondness for bawdy Elizabethan ballads (especially in her historical persona as Lady Margrett Norwoode). However, she also loves more modern music and filk tunes, and writes her own original music. One of her original pieces was the third place winner in the 2017 Iron Filker contest at OVFF. Her name is a tongue twister waiting to happen; feel free to call her Kerri.
Kerri-Ellen Kelly

11:30 **Reading: Martha Wells**
4204 Reading 20 minutes CCD: Liffey Room-3
Martha Wells

11:30 **Autographs: Mur Lafferty**
4210 Autographing 50 minutes Point Square: Mezzanine
Mur Lafferty

11:30 **EAAPES (Feminist & Queer Extra-Solar Alternatives)**
4219 Presentation 50 minutes Point Square: Odeon 4
Presentation by EAAPES, a French group from The Cheapest University, digging into sci-fi to find out how it addresses social and/or physical queer and feminist alternatives. Clara Pacotte and Charlotte Houette have been working since 2016, translating into French, interviewing womyn writers/scientists and publishing their work. Their goal is to give access to the speculative future of gender, racial issues, and feminism as developed by SF works.
Charlotte Houette, *Clara Pacotte*

12:00 **Building the SFF community online**
4267 Panel 50 minutes CCD: Wicklow Room-1
What practices help with – or work against – building an online community for SFF fans and creators to enable us to support, strengthen, and celebrate each other? How does social media fit into this, and what pitfalls does it present? Our panellists will discuss building structures that can support their members and resist trolls and other organised online disruptions.
Christopher Davis (M), *Heather Rose Jones*, *Kat Tanaka Okopnik*, *fromankyra*, *Elio García Jr.*

12:00 **Narrative and the dollar: understanding contemporary TV**
4237 Panel 50 minutes CCD: Liffey Hall-2
TV has always been at the mercy of commercial imperatives. On network TV, the 'best' episodes air during sweeps week, and plot is structured around ad breaks. On streaming services, shows experiment with new structures, but with mixed results. How should viewers adjust their expectations? What is 'good TV' today? Will 'TV novels' come to dominate? Is there still a role for the anthology show?
Greg Chivers (M), *Mr Adam Whitehead*, *Abigail Nussbaum*, *Dr Douglas Van Belle*, *Michael Cassutt*

12:00 **Invisible work: mothers and caregivers in SFF**
4243 Panel 50 minutes CCD: Wicklow Hall-1
A query online for mothers in SFF led to endless lists of the most badass mothers, but why must mothers be badass in order to be valid? Do characters like single mother Nicole Reese in *Raising Dion* represent a change in the depiction of SF motherhood? The panel will discuss the depiction of mothers and carers in SFF and how it aligns with the politics of motherhood in the wider world.
Ms Sylvia Spruck Wrigley (M), *Aliette de Bodard*, *Kate Elliott*, *Rivers Solomon*

12:00 **Just a Minute**
4288 Quiz/Gameshow 50 minutes CCD: Liffey-B (Second Stage)
From the BBC panel game, in which the contestants are challenged to speak for one minute without hesitation, deviation, or repetition on any subject that comes up on the cards. An opposing contestant can challenge based on alleged violations of any of the rules, with byplay often ensuing. The fast-talking fun swings from silly to cutthroat as contestants try to win their points in a hilariously high-pressure competition.
Gillian Redfearn (M), *John Connolly*, *Ian McDonald*, *Pat Cadigan*, *Seanan McGuire*

12:00 **Fairies and Irish folklore in YA**
4285 Panel 50 minutes CCD: Liffey Room-2
Banshees. Leprechauns. Fairy rings. We all know the Irish myths… don't we? But do they still have power for modern readers? What do we need to understand about the fae folk? And what importance do these traditions have in modern YA stories? Our panellists will explore the influence of Irish myth, folklore, and legend in YA over the years.
Ruth Frances Long (M), *Susan Connolly*, *Sarah Rees Brennan*, *Peadar Ó Guilín*

12:00 **Shining the spotlight on SFF musical theatre**
4270 Panel 50 minutes CCD: Wicklow Room-2
From *Wicked* to *Matilda*, *Spamalot*, and *Peter Pan*, some of the most successful musicals have roots in SFF. What makes these musicals special? Is it the magic or the music? Why do they have such staying power? And what else would we like to see on the stage?
Emily January (M), *Dr Tony Pi*, *Amy Sundberg*, *Ruth EJ Booth*, *Mark Gerrits*

12:00 **Contracts and talking terms**
4276 Panel 50 minutes CCD: Wicklow Room-4
Literary contracts can be tricky to navigate. We'll reveal what's behind those mysterious clauses and terms hidden in plain sight. When is a deal too good to pass up – or too good to be true? Discover what's okay to publish without an agent, learn to avoid legal landmines, and ask questions about what you most want to know.
Julie Crisp (M), *Liz Gorinsky*, *Joshua Bilmes*, *Ms Catherine Cho*, *Meg Davis*

12:00 **Video game nostalgia: remakes and remasters**
4273 Panel 50 minutes CCD: Wicklow Room-3
In recent years, there have been many video game remakes and remasters – *Crash Bandicoot*, *Resident Evil II*, *Tomb Raider* – and many much anticipated future titles like *Final Fantasy VII*, but how do some go so right, and some so far wrong?
Fergal Mac Carthaigh (M), *Ms Cassie Parkes*, *Katrina Archer*, *Jeffery Reynolds*

12:00 **Astronomy and poetry**
4279 Workshop 50 minutes CCD: Liffey Room-1
The vastness and beauty of our universe has inspired many artists and poets, and Professor Jocelyn Bell Burnell is an avid collector of poems about astronomy. She invites you to join her in an interactive session where you can bring along your favourite astronomy-related pieces or – even better – perform something you've written yourself. 'Quoth the Raven, "Gravimetric Waves."'
Prof Jocelyn Bell Burnell

12:00 **Beady Pocket**
4240 Talk 50 minutes CCD: Wicklow Hall 2B
Beady pockets were a hip pocket that Traveller women wore. In modern times the beady pocket could be seen as a purse or a practical handbag. Women kept small items in it: a comb, sewing kit, or spare buttons. When families were being moved on or evicted, women gave each other buttons as a keepsake of their friendship and time on the road together; the buttons would then be sewn onto the outside of the beady pocket. Over the course of a lifetime, a woman's beady pocket would become full with an eclectic range of buttons and memories. Rosaleen McDonagh's *Beady Pocket* written piece attempts to capture the historical years of the beady pocket phenomena with a modern twist.
Kathleen Lawrence, *Rosaleen McDonagh*

12:00 **Reading: Michael Swanwick**
4282 Reading 50 minutes CCD: Liffey Room-3
Michael Swanwick

12:00 **Autographs: Saturday at 12:00**
4246 Autographing 50 minutes CCD: Level 4 Foyer
Dave Rudden, *Adrian Tchaikovsky*, *Christian (Miles) Cameron*, *Gillian Polack*, *Simon R Green*, *Jared Shurin*

12:00 **Kaffeeklatsch: Carrie Vaughn**
4252 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Carrie Vaughn

12:00 **Kaffeeklatsch: Dr Wanda Kurtçu**
4255 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer

12:00 **Kaffeeklatsch: Naomi Kritzer**
4258 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Naomi Kritzer

12:00 **Kaffeeklatsch: Peter V. Brett**
4261 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Peter V. Brett

12:00 **Kaffeeklatsch: Maquel A. Jacob**
4264 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Maquel A. Jacob

12:00 **Academic poster presentations**
4249 110 minutes CCD: Level 4 Foyer
The scholars whose research posters have graced the lobby throughout the convention will present their work in greater detail. Come and discuss some fascinating new insights from arts and sciences academics, listen to short presentations, explore their posters, and discuss cutting-edge research with fellow attendees.
Ellen Klages, *Sam Scheiner*, *Dr Inge Heyer*

12:15 **The Eldritch Accountant**
4291 Play 60 minutes CCD: Wicklow Hall 2A
In the abysmal past of 2018, malignant forces prepare for the unspeakable. Two young, ambitious corporate employees are about to discover that Lovecraftian horror dwells in every Excel spreadsheet, and every calculation cell reeks of an obscene conspiracy and abhorrent adjectives in numbers innumerable.
Mr Grzegorz Aleksander Biały (M), *Bartek Żak*, *Tomasz Kozlowski*, *Jan Rożewski*

12:30 **Artists and authors collaborating**
4324 Panel 50 minutes Point Square: Odeon 2
Comics are an inherently collaborative medium. Join our panellists to talk about the creative give-and-take, the differing and perhaps overlapping responsibilities of the author and the artist, and how to juggle all these balls under a strict deadline!
Francesca T Barbini (M), *Paul Cornell*, *Sana Takeda*, *Raya Golden*

12:30 **Female superheroes in TV and film**
4321 Panel 50 minutes Point Square: Odeon 3
The superhero renaissance on the small and large screens is nearly two decades old, but it's only in the last few years that women have gained some prominence. Jessica Jones, Supergirl, Wonder Woman, Captain Marvel: how have these characters, and their stories, lived up to our expectations (or not)? How have they embodied different feminist ideas? Where have they fallen short? When will women of colour get the spotlight?
Marianna "Kisu" Leikomaa (M), *Rachel Coleman*, *Katherine Jay*, *Fionnuala Murphy*, *Kat Kourbeti*

12:30 **The mathematics of music**
4312 Panel 50 minutes Point Square: Alhambra
Music and mathematics have often been associated with each other, whether in the relationship of elements of music to measurements of time and frequency, the notation used in composition, or the use of maths in the composition of music. Is maths a universal language that can cross musical styles?
Dr Edmund Schluessel (M), *Dr Boaz Karni-Harel*, *Dr Nicholas Jackson*, *Gary Lloyd*

12:30 **Introduction to silkpunk**
4315 Panel 50 minutes Point Square: Odeon 5
The term 'silkpunk' was coined by the author Ken Liu who explained that, like steampunk, silkpunk is a blend of science fiction and fantasy – but, instead of a Victorian aesthetic, silkpunk draws on the materials and fashions of classical East Asian antiquity. There is often a mixture of organic elements, such as bamboo, with machine-driven tech,that creates an evocative backdrop to silkpunk stories. The panel will introduce silkpunk's origins and influences as well as literature that has a silkpunk aesthetic.
Regina Kanyu Wang (M), *Emily Xueni Jin*, *Stanley Qiufan Chen*

12:30 **Zap: lightning science**
4318 Presentation 50 minutes Point Square: Odeon 4
Beautiful and deadly, lightning has long amazed and awed. But how does it work? What would happen if you were struck by lightning? Does lightning occur on other planets? Can you make your own? In this interactive talk with a PhD physicist, discover the science of lightning. No science background necessary!
Corry L. Lee Ph.D.

12:30 **Cover me: telling a story in a single image**
4330 Presentation 50 minutes Point Square: Odeon 1
They say that a picture is worth a thousand words, but how do you make sure that they're the right thousand? Dublin 2019 Featured Artist Afua Richardson talks about the thought and planning that go into cover art.
Afua Richardson

12:30 **SFF script analysis workshop for actors**
4294 Workshop 80 minutes CCD: Wicklow Room-5
Are you an aspiring actor? Do you know how to work from a script? This workshop uses a scene from contemporary SFF theatre to cover the basics of breaking a scene into playable beats and actions as well as performing character analysis.
Caryn Liz

12:30 **'The Raksura Colony Tree': a community art project 3**
4309 Workshop 50 minutes Point Square: Warehouse Art Demo Area
'The Raksura Colony Tree' is a community art project for Dublin 2019, celebrating the worldbuilding in Martha Wells's Books of the Raksura series by creating part of a colony tree in fibre and thread. A lot of fibre arts lend themselves well to creating organic forms: trees, bushes, lianas, grass, and lots more.Come by to find out more about the project, and help us to make an awesome model! All kinds of fibre crafts are welcome; whether you knit, crochet, embroider, tat… we've got lots of materials and pattern ideas. Take a peek at what we've already got at raksuracolonytree.home.blog
Constanze Hofmann (M)

12:30 **Mythmaking workshop**
4327 Academic 50 minutes Point Square: Odeon 6 (Academic)
A round table discussion looking at ways in which the techniques of mythmaking from genre fiction have become part of our everyday lives in the traditional and non-tradition news media. Fiction has a legacy of this, from Dianetics and Scientology to the Illuminati and the World of Darkness. These myths range from obvious fiction, like Slender Man, to systemised frameworks, like QAnon. They can even include traditional news media networks when they focus on editorial opinion and false equivalence in the interest of balance, accidentally lending credence to counter-theories based on false information.

As mythmakers and storytellers, authors of science fiction, fantasy, and horror are the best authority on the creation and utilisation of myth in fiction. The focus of this discussion is to explain the use of these tools and identify comparisons between them and fake news equivalents that we see every day.
Dr Allen Stroud, *Dr Stewart Hotston*, *Dr Anna Smith Spark*, *Alisa Hellstrom*

12:30 **Saturday – Children's Programme lunch break**
4333 Setup 90 minutes Spencer Hotel: Columba 1

12:30 **Saturday – Children's Programme lunch break**
4336 Setup 90 minutes Spencer Hotel: Columba 2

12:30 **Autographs: Joe Haldeman**
4306 Autographing 50 minutes Point Square: Mezzanine
Mr Joe Haldeman

12:30 **Francesco Verso book launch: Future Fiction**
4300 Book launch 60 minutes Point Square: Warehouse 2 - Performance space
Science fiction happens everywhere! *World SF #1* collects some of the best stories published by Future Fiction, a multicultural project created by Francesco Verso to preserve the narrative biodiversity of the future. Come and celebrate these SF stories from thirteen countries and six languages with authors like Ian McDonald, Jim Kelly, Chen Qiufan, and Claude Lalumière. We'll be serving light refreshments!
Francesco Verso

12:30 ***Science Fiction and Catholicism: The Rise and Fall of the Robot Papacy* by Jim Clarke – book launch**
4303 Book launch 60 minutes Point Square: Warehouse 2 - Performance space
Aliens? Absolutely. Robots? Of course. But why are there so many priests in space? Find out when Gylphi launches the first ever study on the relationship between Catholicism and SF at the Worldcon in Dublin. In the seventh book of the SF Storyworlds series (ed. Paul March-Russell), Clarke explores the genre's co-dependence and antagonism with the largest sect of Christianity.

13:00 **Technology we can't believe we're still using**
4366 Panel 50 minutes CCD: ECOCEM Room
Disruption isn't all that it's cracked up to be. Some tech we live with has remained unchanged for decades, if not centuries. Panellists discuss why some tech persists and some doesn't. They consider the value of old tech, barriers to innovation, and whether tech that persists because it's good enough may or may not hold back innovation. They also speculate on the disruptive tech that will persist into the future.
Tom Merritt (M), *Alison Scott*, *Charles Stross*, *Dave O'Neill*

13:00 **Muslim SFF**
4384 Panel 50 minutes CCD: Liffey Room-2
Muslim SFF is a blanket term for works written by and about Muslims, but it is not defined by a single ethnic group or nationality. From Zakariya al-Qazwini's 13th-century *Awaj bin Anfaq* – about an alien who visits Earth – to the recent popularity of authors such as G. Willow Wilson and Saladin Ahmed in the Anglophone world, how does Muslim SFF reflect and comment on the culture of Islam?
Yasser Bahjatt (M), *S.A. Chakraborty*, *Harun Šiljak*, *Peter Adrian Behravesh*

13:00 **There be dragons! Crafting maps for fantasy worlds**
4342 Panel 50 minutes CCD: Wicklow Hall 2B
From Middle Earth to Earthsea, Westeros to Orisha, maps can bring fantasy lands to life. But how do authors go about designing these fantasy worlds, and how do they then communicate those designs to mapmakers? The panel will discuss the craft of fantasy mapmaking and the challenges of bringing imagined worlds to life.
Dr Bob (M), *Robert V. S. Redick*, *Justin Call*, *J.S. Meresmaa*

13:00 **GoH interview: Ginjer Buchanan**
4339 Interview 50 minutes CCD: Liffey Hall-2
GoH Ginjer Buchanan has been in the science fiction community, first as a fan and then as a pro, since 1968. She has known John Douglas, also a fan turned pro, since 1970, and has been married to him since 1975 – so it made sense that he be the person to ask her a bunch of questions about life, the universe, and everything. She has promised that she will answer them. Most of what she says will probably be true…
John R. Douglas (M), *Ginjer Buchanan*

13:00 **Alternate Apollos**
4345 Panel 50 minutes CCD: Wicklow Hall-1
We know how the Apollo landings turned out, but it could have gone quite differently. Armstrong and Aldrin could have crashed, or landed safely but been unable to take off again. What might have happened if Apollo 18 and the Apollo Applications programme hadn't failed? If the Soviet N1 launcher had succeeded, could they have reached the Moon first? Panellists consider alternate histories of Apollo.
Ian Sales (M), *Henry Spencer*, *Dr Laura Woodney*, *Gillian Clinton*

13:00 **Formative fandoms**
4372 Panel 50 minutes CCD: Wicklow Room-2
Our formative or first fandoms captured our imaginations and often acted as gateways to other fandoms. Is there a common thread between them? Are our first fandoms still relevant, to us or to the wider fan community, and do we still love the things that brought us into fandom?
Catherine Sharp (M), *Claire Rousseau*, *Liat Shahar-Kashtan*, *William Frank*

13:00 **Inclusive game design**
4369 Panel 50 minutes CCD: Wicklow Room-1
Narrative, mechanics, and visuals are the core of every game. How can we use these building blocks to create a more inclusive gaming experience for everyone?
Ian Paul Power (M), *Ell Schulman*, *Carrie Patel*, *Dr Carlos Hernandez*

13:00 **Inclusive costuming**
4378 Panel 50 minutes CCD: Liffey Room-1
A discussion about design ideas and clothing and prop construction to accommodate those with mobility, visual, tactile, or other sensory concerns, and those who use mobility or medical aids. The panellists will come up with ways for everyone to look fabulous without compromising safety and comfort.
Elsa Sjunneson-Henry (M), *Ann Morris*, *Ada Palmer*, *Ariela Housman*

13:00 **Art in space**
4375 Presentation 50 minutes CCD: Wicklow Room-3
Four-star General Kevin P. Chilton (USAF Ret.), the most decorated astronaut in the space shuttle programme, asked Bridget Duffy to paint a special large painting for his first mission: the maiden voyage of the then-newest space shuttle *Endeavour*. *Endeavour* was launched on 7 May 1992; in her maiden voyage, in the payload of the *Endeavour* was the commissioned painting. How did this all come about?
Bridget Duffy-Thorn

13:00 **Kaffeeklatsch: GoH Steve Jackson**
4351 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Steve Jackson

13:00 **Autographs: Saturday at 13:00**
4348 Autographing 50 minutes CCD: Level 4 Foyer
Michael Carroll, *David D. Levine*, *Alexandra Rowland*, *Leah Bobet*, *Mr Micah Yongo*, *Dr Kristina Perez*

13:00 **Reading: Fran Wilde**
4381 Reading 20 minutes CCD: Liffey Room-3
Fran Wilde

13:00 **Kaffeeklatsch: Catherynne Valente**
4354 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Catherynne Valente

13:00 **Kaffeeklatsch: K.M. Szpara**
4357 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
K.M. Szpara

13:00 **Kaffeeklatsch: Rebecca Gomez Farrell**
4360 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Rebecca Gomez Farrell

13:00 **Kaffeeklatsch: Dr. Norah Patten**
4363 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Dr. Norah Patten

13:30 **The global multiverse: the comics scene worldwide**
4408 Panel 50 minutes Point Square: Odeon 3
Darna! *Storm Riders*! *The Metabarons*! These are just some of the comic book titles found outside the dominant US comics or manga industries. Whether it's bande dessinée from France, manhua from China, or self-published 'zines from the Philippines, come and discover not just one new world, but a multitude!
Christopher Hwang (M), *Cora Buhlert*, *Fulvio Gatti*, *Geoff Ryman*

13:30 **The business of webcomics**
4399 Panel 50 minutes Point Square: Alhambra
Webcomics are a business. But it can be a confusing one, with the advent of crowdfunding and Patreon adding to the more traditional revenue sources of books and T-shirts. Are print sales still necessary in an increasingly digital world? How does one go about making a living through publishing a webcomic?
Kaja Foglio, *Joey Yu*, *Galina Rin*

13:30 **Re-imagining national epics**
4417 Panel 50 minutes Point Square: Odeon 1
National epics – such as *Beowulf*, *Táin Bó Cúailnge*, *Ramayana* and the *Epic of Gilgamesh* – seem to capture something true and recognisable about a nation's history and character. For modern writers, they can be a tempting but daunting source of inspiration. How has the material of national epics be used in modern fiction, and when do questions of ownership and authenticity come into play?
Meg MacDonald (M), *Shweta Adhyam*, *Jo Walton*, *Dr Stephan Grundy*

13:30 **Cosplay photography skills**
4405 Panel 50 minutes Point Square: Odeon 4
Come and learn the technical ins and outs of costume and cosplay photography. The focus of this session is on technical information and composition tips to give photographers the best chance at success. This panel is aimed at beginners in photography.
Stephen Nelson (M), *Chad Dixon*, *Lincoln Peters*, *Liz Gilio*

13:30 **Rapunzel, Rapunzel, let's braid your hair!**
4396 Workshop 110 minutes Point Square: Warehouse Art Demo Area
Go beyond the basic braid: French, Dutch, Crown, five and seven strand, spirals, hearts! Learn how to do it and then have the chance to practise. All ages welcome and encouraged. Participation is not required but participants themselves must sign up in advance (limited to 12 participants).
John Wardale (M)

13:30 **Unknown and/or forgotten artists**
4411 Panel 50 minutes Point Square: Odeon 2
Some artists enjoy commercial success, while many others stay in the shadows. Why does this happen? Panellists discuss artists who have been forgotten or haven't received the attention they deserve.
Dr Andrew M Butler (M), *Phil Foglio*, *Sue Mason*

13:30 **Art from all cultures**
4402 Panel 50 minutes Point Square: Odeon 5
Is it getting easier in western-dominated media for other cultures to show what they've got? Are creators having to make compromises to get there? And what opportunities are there for new artists coming in that there might not have been a generation ago?
Pablo Defendini (M), *Andy Dudak*, *Yuan (Shuang ChiMu) Feng*, *Likhain*

13:30 **Anime and the west**
4420 Panel 50 minutes Point Square: Stratocaster BC
Alongside the resurgence of the popularity of anime, more and more western cartoon creators are citing anime as their inspiration and are starting to incorporate the style into their own shows. What has been the impact of this in the western world? If an animated work was created in the west but is stylised like anime, can it be called an anime?
Gabriella Gomez (M), *Ciaran Roberts*, *Ed Fortune*, *Sakura Perez*, *Lucy Hounsom*

13:30 **Writing**
4414 Academic 50 minutes Point Square: Odeon 6
(Academic)
1. Asst Prof Jason Aukerman – 'Advancing Authors' Causes Through Organisations'2. Dr Declan Taggart – 'Writing the New Thor'3. Michael J. Hollows – 'Creative Writing PhDs'

13:30 **Reading: Marie Brennan**
4393 Reading 20 minutes CCD: Liffey Room-3
Marie Brennan

13:45 **Concert: John McDaid**
4423 Concert 50 minutes CCD: Wicklow Hall 2A
John G. McDaid is a science fiction writer, folk/filk singer-songwriter, and freelance journalist from Rhode Island. A 1993 Clarion grad, he sold his first short story, the Sturgeon Award-winning 'Jigoku no mokushiroku' to *Asimov's* in 1995. Since retiring in 2016 from a career in corporate communications, he's been writing full time and playing at venues around the Northeast US. In 2017, his songs won both the topical and 'Iron Filker' contests at the Ohio Valley Filk Fest. Fiction and music are online at harddeadlines.com and he's currently working on a Second World War alternate history novel and an album of original songs.
John G. McDaid

14:00 **Relationships with sentient AIs in science fiction**
4426 Panel 50 minutes CCD: Liffey Hall-2
Sentient AIs are common in SF stories. Do writers use a sentient AI as a way to avoid making that character sexual? How does an AI's lack of sexuality, or birth gender, allow writers to explore relationships in new ways?
Karolina Fedyk (M), *Wendy Metcalfe*, *Adam Wing*, *Derek Kunsken*

14:00 **Window to the soul: a character's favourite song**
4471 Panel 50 minutes CCD: Wicklow Room-4
Creators often use a character's musical choices to show us their inner thoughts and hidden motivations: in *Guardians of the Galaxy* the music Peter plays is a link to his lost mother, in *Spider-Man: Into the Spider-Verse* Miles's favourite song places him as a member of Generation Z, and Alex's callous rendition of 'Singin' in the Rain' in *A Clockwork Orange* has gone down in infamy. Join our panellists for a walk through our favourite characters' musical memories.
Rebecca Gomez Farrell (M), *Seanan McGuire*, *Joao Goncalves*, *Kieron Gillen*

14:00 **Dystopian SF: how utopias go wrong**
4429 Panel 50 minutes CCD: Wicklow Hall 2B
In SF there is no such thing as a utopia. Or, at least, anything that seems on the surface to be a utopia usually isn't for everyone. The panel will discuss the concept of utopias and whether there can be one that isn't ultimately harmful for some aspect of society, giving examples from a range of SF sources. How can the ideals of a perfect world be twisted into something dark and dystopian?
Su J. Sokol (M), *Anne Charnock*, *Charlie Jane Anders*, *Tom Toner*, *K.M. Szpara*

14:00 **Beyond binary**
4462 Panel 50 minutes CCD: Wicklow Room-1
This panel seeks to explore the concept of gender in SFF. In particular, it will focus on societies in literature and other media that do not follow binary definitions of gender. What examples already exist and are they presented favourably? What are some good and bad examples? Do the panellists have ideas for how they would write a non-binary society?
Lex Beckett (M), *Alex Acks*, *Sarah Groenewegen*, *Rei Rosenquist*

14:00 **Tortall and other lands**
4483 Panel 50 minutes CCD: Liffey Room-2
From the initial publication of the Song of the Lioness quartet in the 1980s, Tamora Pierce's Tortall books have influenced countless readers. With kickass heroines like Alanna, Daine, Kel, Aly, and Beka, and stories exploring sexism, class, war, abuse, and discrimination, the books were groundbreaking works of children's fantasy. This panel discusses Tortall, its stories, its heroines, and its influence on YA fantasy.
Marieke Nijkamp (M), *Miriam Weinberg*, *Dr Mary Watson*, *Gail Carriger*, *Anna Raftery*

14:00 **Young adults versus… the world!**
4432 Panel 50 minutes CCD: Wicklow Hall-1
YA characters face so many challenges. They not only have to deal with all the drama that life, society, and their traitorous 'developing' bodies can throw at them, they also have to save the world and be home for dinner. What does it take for a teen to survive the dangers of a YA novel – including the whims of a capricious author who keeps placing them in the path of real danger?
Fonda Lee (M), *Catherynne Valente*, *Ian McDonald*, *Lucienne Diver*, *Michael Scott*

14:00 **Beginners' improv comedy workshop**
4474 Workshop 50 minutes CCD: Wicklow Room-5
So you think you're funny – but can you think on your feet? Want to learn? The secrets of improv comedy, or at least the basics, are on offer in our improv comedy workshop. Sign-ups in advance will be required for this workshop (linited to 8 people).
Sazib Bhuiyan

14:00 **Behind the scenes: bringing fantastic theatre to life**
4477 Panel 50 minutes CCD: Liffey Room-1
In the theatre, the real magic happens off stage and behind the scenes. So what does it take to put on a speculative stage play? What extra challenges exist, if any? Let's look behind the curtain and explore the ins and out of crew work, set design, lighting, costuming, special effects, and producing a speculative play for the stage.
Roger Gregg (M), *Rotem Baruchin*, *Méabh de Brún*, *MIKI*, *Bruno Puelles*

14:00 **How to introduce kids to roleplaying**
4468 Talk 50 minutes CCD: Wicklow Room-3
A discussion on how tabletop roleplaying can be used with young children to help them explore the worlds of their imagination. In this workshop, author and game designer (and parent!) Gar Hanrahan will discuss some of the techniques he has used to engage with younger audiences.

14:00 **The Irish publishing market**
4480 Panel 50 minutes CCD: Liffey Room-3
Join us for a survey of Ireland's publishing industry. From celebrated small presses to top tier publishers, our panellists share their thoughts and perspectives on the opportunities and challenges within the Irish market. How are we doing? Which authors should we be reading? And what new books should we be watching for?
David Ferguson (M), *Dr Patricia Kennon*, *Ms Michelle NicPhaidin*

14:00 **Create a giant mural**
4498 Children's Programme 50 minutes Spencer Hotel: Columba 2
Do you like to draw, paint or colour? If so, we've got a task for you! We want you to create a giant mural, with help from illustrator and author Oisín McGann. What will you create? The possibilities are endless. The finished mural will take pride of place on the wall in Children's Programme for the rest of the weekend.
Oisin McGann

14:00 **Meet the GoHs: Ginjer Buchanan and Diane Duane**
4438 Reception 50 minutes Martin's (CCD: Liffey-A)
Join us for an informal gathering with Dublin 2019 Guests of Honour Ginjer Buchanan and Diane Duane. Their featured programme sessions are this afternoon, and this social interval in between gives you a chance to chat with them about their careers and contributions.
Ginjer Buchanan, *Diane Duane*

14:00 **Autographs: George R. R. Martin – session #2**
4492 Autographing 80 minutes Point Square: Mezzanine
Things to help this session work well for everyone, please:One item only per person: George R. R. Martin will sign a book or a comic or an action figure… (nearly) anything, but only one item per person. Signatures only: no personalisations or inscriptions. No posed pictures: you may take a photograph of George R. R. Martin while he is signing, but no selfies with him – and do not go behind the table.
George R.R. Martin

14:00 **History of Eastercons**
4465 Panel 50 minutes CCD: Wicklow Room-2
The British national SF convention has been run over the Easter weekend every year since 1955. Where and how did it all start, and what has kept it running for so long? How has it changed and evolved over time, and in what ways has it stayed constant over the years? And what does the future hold for this venerable convention?
Steve Davies (M), *Bill Burns*, *Caroline Mullan*, *Mary Burns*, *Mike Scott*

14:00 ***P/Faerie Tale***
4486 Play 90 minutes CCD: Liffey-B (Second Stage)
P/Faerie is a new movement play. 'F' is not in the Philippine alphabet; 'ae' is in the Gaelic alphabet. Putting a slash between two letters can make a word exclusive or inclusive. Putting a wall between any nations – say, the land of Faerie and the mortal realm – could arguably also be exclusive or inclusive. Depends which side you're on. This Saturday, 17 August, will be the first – albeit truncated – version of this play ever seen onstage (it has only existed in staged readings at Capricon and was originally created as a short for the Solstice Arts Centre in Co. Meath). Though we have the costumes, the puppets, the props, the people, we'd like the audience to help us decide which 'side' these elements fall on. Are they Diwata? Are they Sidhe? Are they mortal? We have some idea but we'd like you to participate in the final say.

Therefore, please join us on **Thursday 15 August** for a 30-minute discussion of the Diwata, faeries of the Philippines. Help us to decide if what we're planning to put onstage on Saturday really represents what we tell you about the Diwata. After all, who wouldn't wanna talk about Diwata?

On **Friday 16 August**, join us for a 30-minute discussion of the Sidhe, faeries of Ireland. The playwright admits that, even though she received her doctorate in Theatre History from TCD, she's not Irish; she really wouldn't want to claim authority on this, so please help her out here (just be gentle).

And then, on **Saturday 17 August**, join us for the hour-long world premiere of *P/Faerie Tale*.

A few weeks before the Worldcon, we will be releasing an audio recording of the first scene of the play, which we will not be performing in Dublin. It's a prequel, which should not be necessary to listen to before the show but which will enhance the events at the convention.About the play: Mara, an Irishwoman, heartily disapproves that her son married her former caregiver, Naomi, a Pilipina. But Naomi needs Mara's help, because the one-year-old child of the union has been abducted by faeries and Naomi cannot battle Irish faeries (Sidhe), having only ever encountered Philippine ones (Diwata). Are P/Family ties stronger than P/Faerie magic, or will the bitter P/Feud between the two women leave a child beyond the pale P/Forever?
Dr Ruth Palileo (M), *Jonathan East*, *Zack Georgian*, *Ginger Leopoldo*, *Amy Flood*, *Oscar Hernández Rodríguez*, *Niamh Clancy*

14:00 **Autographs and photo session: Jeanette Epps**
4495 Children's Programme 50 minutes Spencer Hotel: Columba 1
Astronaut Jeanette J. Epps will autograph items in the Children's Programme area for kids of all ages. And maybe even their parents.
Jeanette Epps

14:00 **Autographs: Saturday at 14:00**
4435 Autographing 50 minutes CCD: Level 4 Foyer
Ruth Frances Long, *Anna Stephens*, *Mrs Emma Newman*, *Fred Gambino*, *Sarah Gailey*, *Alec Nevala-Lee*

14:00 **Kaffeeklatsch: Patrick & Teresa Nielsen Hayden**
4441 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Patrick Nielsen Hayden, *Teresa Nielsen Hayden*

14:00 **Kaffeeklatsch: Diana M. Pho**
4444 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Diana M. Pho

14:00 **Kaffeeklatsch: Matthew Hughes**
4447 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Matthew Hughes

14:00 **Kaffeeklatsch: R.F. Kuang**
4450 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
R.F. Kuang

14:00 **Kaffeeklatsch: Sarah Rees Brennan**
4453 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Sarah Rees Brennan

14:00 **Kaffeeklatsch: Sean Hazlett**
4456 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Sean Hazlett

14:00 **Reading: Nancy Kress**
4459 Reading 20 minutes CCD: ECOCEM Room
Nancy Kress

14:30 **Quack medical devices: a show & tell**
4513 Presentation 50 minutes Point Square: Odeon 3
Content warning: please note that, as some adult topics will be discussed, parental discretion is advised for younger attendees. Join us for a whirlwind tour of some of the strangest medical devices over the years. Despite using the popular new technologies of the day, such as electricity and radiation, these have not always worked as well as promised, whether through ignorance or duplicity. There will be audience participation, so hang on to your hats…
Eugene Doherty

14:30 **Mythological science fiction**
4504 Panel 50 minutes Point Square: Alhambra
Science fiction has been described as modern mythology, but it also has a long history of taking themes and tropes from existing mythological traditions and reworking them. The panel will discuss science fictional stories whose structure or themes echo those of existing mythological tales from around the world.
Deirdre M Murphy (M), *Dr Tony Keen*, *Dyrk Ashton*, *Vida Cruz*

14:30 **Can't stop the signal: continuing through comics**
4507 Panel 50 minutes Point Square: Odeon 5
Firefly, *Buffy*, *The X-Files*, *The Dark Crystal*, *Aliens*, *Predator*, and more have all found new life off the screen in comics adaptations or official continuations. How much is changed and/or lost when moving from one medium to another? What more can be done with the move? How is fidelity maintained with the original?
Lisa Tuttle (M), *Grace P. Fong*, *Paul Cornell*, *Stephen Mooney*

14:30 **Seiun Awards presentation and discussion**
4525 Awards 50 minutes Point Square: Stratocaster BC
The presentation of the two prestigious Seiun Awards will be followed by a discussion of news and relevant topics from the world of Japanese SF.
Jack R. Hirai, *Dr Takayuki Tatsumi*, *Mari Kotani*

14:30 **The portrayal of disability in art**
4510 Panel 50 minutes Point Square: Odeon 4
People with disabilities are woefully under-represented in art of all kinds. What are the right and wrong ways to portray disability? How can we encourage artists to increase this representation and to do it in a fair and realistic manner?
RJ Barker, *Marina Berlin*, *Leo Adams*, *Ira Alexandre*

14:30 **'Time Traveller': short film with special Q&A**
4516 Media 50 minutes Point Square: Odeon 2
Join us for a special screening of the short film 'Time Traveller', winner of the Audience Award at the 2018 Dublin International Film Festival. Following the film we will have a Q&A with the director and producer.'Time Traveller': A *Back To The Future*-obsessed traveller boy strives to finish building his own DeLorean replica before his family are evicted from their halting site.
Dr Harvey O'Brien (M), *Mr Steve Kenny*, *Collie McCarthy*

14:30 **Designing genre award trophies**
4522 Panel 50 minutes Point Square: Odeon 1
The designers of the bases for the awards being presented by the convention this Sunday evening get together to talk about the challenges and considerations in getting them created and supplied.
Jim Fitzpatrick, *Vincent Docherty*, *Scott Lefton*, *Sara Felix*

14:30 **Futures and politics**
4519 Academic 50 minutes Point Square: Odeon 6 (Academic)
1. Denis Taillandier – 'The Virtual Worlds of Japanese SF'
2. Natalie Ingram – 'Building "Salt Roads" to a Better World'
3. Erin Andrews – 'Ronald Reagan and the Politics of Science Fiction'

14:30 **Reading: Naomi Novik**
4501 Reading 20 minutes CCD: ECOCEM Room
Naomi Novik

14:45 **Concert: T. J. Burnside Clapp**
4528 Concert 20 minutes CCD: Wicklow Hall 2A
Pegasus Award-winning filk artist T. J. Burnside Clapp performs her own songs of fantasy, SF, and humour, along with favourites by her husband, Mitchell Burnside Clapp, and her singing group, Technical Difficulties.
TJ Clapp

15:00 **Ancient astronomy meets future astronomy**
4537 Panel 50 minutes CCD: Wicklow Hall-1
Ireland has just joined the European Southern Observatory as well as LOFAR, building upon Ireland's rich history of science and astronomy. Come and hear our panel explore this history from the neolithic times to modern, from Newgrange to the Great Telescope at Birr Castle.
Henry Spencer (M), *Prof Jocelyn Bell Burnell*, *Brother Guy Consolmagno*, *Verity Allan*

15:00 **Authors and their pets**
4534 Panel 50 minutes CCD: Wicklow Hall 2B
Join our panel of authors to discuss the ups and downs of writing with an animal companion. Do dogs or cats make better familiars for authors? What do you do when your pet is more popular on social media than you are? There will be pet pictures!
Mary Robinette Kowal (M), *Jon Courtenay Grimwood*, *Elizabeth Bear*, *Melissa Caruso*

15:00 **Technological regression in post-apocalyptic novels**
4567 Panel 50 minutes CCD: Wicklow Room-1
The creation of post-apocalyptic worlds usually comes with a certain degree of technological regression. This is a logical assumption, but at the same time it can be an interesting and powerful tool in a writer's hands. How do writers decide the level of technological regression they want for their post-apocalyptic world? What are some examples of convincing regressions, and what can this aspect of worldbuilding offer to readers?
William Ledbetter (M), *Carrie Vaughn*, *Emil Hjörvar Petersen*, *James Smythe*, *Nicolette Stewart*

15:00 **GoH talk: a fireside chat with Diane Duane**
4531 Interview 50 minutes CCD: Liffey Hall-2
John Scalzi sits down to talk with Diane Duane about the ups and downs of a life given over to SFF and genre TV and film. Other topics: crossing the streams of fandom and prodom, the cohabitation of art and married life, the intersection of writing and quirky food habits, and possibly the dead rising from the grave, human sacrifice, and dogs and cats living together… Actually, maybe the cats more than the dogs. In fact, a whole lot more.
Diane Duane, *John Scalzi*

15:00 **Changing climates, changing worlds**
4582 Panel 50 minutes CCD: Liffey Room-1
In August 2018 William Gibson tweeted: 'All imagined futures lacking recognition of anthropogenic climate-change will increasingly seem absurdly shortsighted. Virtually the entire genre will be seen to have utterly missed the single most important thing we were doing with technology.' The panel will discuss visions of the world transformed by the changes in the climate.
Libia Brenda (M), *Olav Rokne*, *Russ Colson*, *Cat Sparks*

15:00 **The use of SF in higher education**
4570 Panel 50 minutes CCD: Wicklow Room-2
Professors from different disciplines discuss the possible uses of speculative fiction as a tool for teaching. From humanities to sciences via legal studies, how have academics used SFF in the classroom in the past, and how can we dream of speculative fiction – and the technology it posits! – being used in future?
Mary Anne Mohanraj (M), *Nora E. Derrington*, *David DeGraff*, *Dr. Shaun Duke*, *Corry L. Lee Ph.D.*

15:00 **Nonhuman and interspecies communication**
4576 Panel 50 minutes CCD: Wicklow Room-4
There is much to be learned by terrestrial, yet nonhuman, lifeforms that communicate within and between species. We have already learned a lot from language experiments with great apes, parrots, and dolphins. What more do these animals and others have to teach us about communicating with lifeforms beyond the Earth, should we ever meet?
Manny Frishberg (M), *Dr Claire McCague*, *Dr Bob*, *Christianne Wakeham*

15:00 **Breaking into short horror fiction markets**
4585 Panel 50 minutes CCD: Liffey Room-3
What are editors looking for in short horror fiction, and what are they tired of seeing? What mistakes do beginning writers make? How should aspiring horror writers break in? Some of the top editors of short horror fiction in the field offer advice for newer writers.
Lynda Rucker (M), *Ellen Datlow*, *Stephen Jones*, *Brett Savory*

15:00 **What I learned along the way**
4573 Panel 50 minutes CCD: Wicklow Room-3
Writing is a many wondrous thing filled with highs and lows, but those lows can be really tough to navigate either after a great success or after a lack of success. Rejection is something every writer has to face, but how do writers keep writing in the face of failure? What lessons have they learned along the way? Our panellists share the ups and downs of a writing life.
Ian R MacLeod (M), *Aliette de Bodard*, *Karl Schroeder*, *George Sandison*, *Nina Allan*

15:00 **Building inclusion and equity into genre**
4591 Panel 50 minutes CCD: Liffey Room-2
Diversity and inclusion remain a challenge in science fiction, fantasy, and horror. Let's look at the market today compared to five or ten years ago and determine what kind of progress has been made. Considering today's stats, what diversity-specific goals would we like to achieve in the near term? Moreover, as the genre publishing industry struggles to diversify, what can we do to help publishers press forward on this front, and how can we help to support diverse authors and readers? And what more should we be doing to help bolster diversity in our fiction?
Brenda Noiseux (M), *Rafeeat Aliyu*, *Jacq Applebee*, *Julia Rios*

15:00 **What do aliens look like?**
4597 Children's Programme 50 minutes Spencer Hotel: Columba 1
An exploration of the diversity of life on Earth, what life could look like on other planets, and what humans might look like after adapting to different environments. Children will imagine exploring planets with features unlike Earth's, and draw the aliens they might find there. Facilitated by Hanne-Madeleine Gates Paine, who has worked as an engineer at NASA and an educator at a children's Space Education Centre.
Hanne-Madeleine (Iro) Gates Paine

15:00 **Gaming with Steve Jackson – Saturday**
4588 Game 120 minutes CCD: Liffey Hall 1 (Gaming)
Come and play tabletop games with game designer and Guest of Honour Steve Jackson. While everyone is welcome to play games in the Gaming Hall throughout the convention, these sessions guarantee that Steve will be in the room and ready to play!
Steve Jackson

15:00 **Concert: Another Castle**
4594 Concert 60 minutes Point Square: Warehouse 2 - Performance space
Another Castle is the geekiest women's choir in Helsinki, Finland. With the help of some Nordic magics we summon geeky melodies from movies, TV series, and games. Let us take you on a wondrous musical journey through all your favourite fantasy worlds.
Rosana de Oliveira Sorva, *Ida Eerikäinen*, *Heli Jaakkola*, *Riikka Juntunen*, *Annina Kaivola*, *Katja Kuitunen*, *Anna Lantee*, *Sanni Leksis*, *Jonna-Kristiina Makkonen*, *Anna-Maria Malm*, *Annemarie Müller*, *Susanna Muukka*, *Ulla Niini*, *Säde Norja*, *Wiebke Pandikow*, *Lotta Raatikainen*, *Anna RajainmaaTiina Repo*, *Tiina Torp*, *Eeva Rita-Kasari*, *Elina Saario*, *Satu Sahlstedt*, *Milla Suomalainen*, *Ilse Tuohimaa*, *Jemina Valkama*, *Miina Hagerlund*, *Iitu Hagerlund*, *Ellen Hiittenkivi*, *Anna Maritta Aurora Novius*, *Pia Vanhala, Bookbindress Mari Vehkaluoto*

15:00 **Autographs: Afua Richardson**
4540 Autographing 50 minutes CCD: Level 4 Foyer
Afua Richardson

15:00 **Reading: Charles Stross**
4564 Reading 20 minutes CCD: ECOCEM Room
Charles Stross

15:00 **Autographs: Saturday at 15:00**
4543 Autographing 50 minutes CCD: Level 4 Foyer
Darcie Little Badger, *Corinne Duyvis*, *Stark Holborn*, *Neil Clarke*, *Michael Swanwick*

15:00 **Kaffeeklatsch: Peter Beagle**
4546 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Peter Beagle

15:00 **Kaffeeklatsch: Roz Kaveney**
4549 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Roz Kaveney

15:00 **Kaffeeklatsch: Carrie Patel**
4552 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Carrie Patel

15:00 **Kaffeeklatsch: John R. Douglas**
4555 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
John R. Douglas

15:00 **Kaffeeklatsch: Miriam Weinberg**
4558 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Miriam Weinberg

15:00 **People of African descent meetup**
4579 Meetup 50 minutes CCD: Wicklow Room-5
Whether you reside in Africa or are part of the diaspora, come along and meet other members of the Worldcon who are people of African descent. All self-identified fans of African descent are invited to attend this meetup to mix, mingle, and get to know each other. (We ask members who are not people of colour and of African descent to respect this space by not attending.)
Russell A Smith (M), *Dr Wanda Kurtçu* (M)

15:00 **Kaffeeklatsch: Kate Elliott**
4561 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Kate Elliott

15:30 **Bayeux 'Tapestry' embroidery techniques – session 1**
4609 Workshop 110 minutes Point Square: Warehouse Art Demo Area
The Bayeux 'Tapestry', a 70 metre (230 foot) long embroidery, illustrates events leading to the Battle of Hastings in England in 1066. This session will teach the three basic stitches used, with a history lecture and a handout on events from the death of Edward the Confessor to the coronation of William of Normandy. Under 16s welcome with parent. No previous experience needed. Sign-ups in advance will be required for this workshop (limited to 6 participants), with a small fee for supplies.
Terry Neill (M)

15:30 **Running a post-apocalyptic convention**
4633 Panel 50 minutes Point Square: Stratocaster BC
When society breaks down and we no longer have technology or infrastructure to help us, how can we run an SFF convention? What would we even talk about if there are no new books, films, TV shows, or even the internet? Join our panellists as they come up with absurd and sobering ideas for running a convention after the end of the world… which we hope won't be next week.
Heidi Lyshol (M), *Norman Cates*, *Isabel Schechter*, *Jukka Särkijärvi*

15:30 **Graphic novel adaptations of genre work**
4624 Panel 50 minutes Point Square: Odeon 2
Is there such a thing as a good adaptation of a pure prose text? While some people argue that movies can never live up to the reader's imagination, graphic novels have fewer limits and can add a significant visual element to our favourite genre literature. But they still might not look 'right', and a picture might not always be worth losing a thousand words. Join us to consider the challenges!
Holly Black (M), *Victoria "V.E." Schwab*, *Gail Carriger*, *Raya Golden*

15:30 **Signature style**
4630 Panel 50 minutes Point Square: Odeon 1
Most of us can recognise our favourite artists just by their style of drawing or painting. But what if you want to work in more than one style, or your style goes out of fashion? We ask some artists who stands out for them, how and why that is, and whose styles have stood thetest of time.
Bryan Talbot (M), *Kaja Foglio*, *Ms Sultana Raza*

15:30 **Crafting your fandom**
4612 Panel 50 minutes Point Square: Alhambra
From building a spaceship wardrobe to knitting the Doctor's scarf, baking the Death Star, or putting their travel cards into wands, fans have ever more inventive ways to express their love, enthusiasm, and fandom through arts and crafts. Our panellists will share their love of fandom crafting from what they do to how they do, and discuss why we all do it.
Dr. Sara L. Uckelman (M), *Todd Allis*, *Arwen Grune*, *Alicia Zaloga*

15:30 **The role of fantastical creatures**
4621 Panel 50 minutes Point Square: Odeon 3
Whether they are protectors or dangerous beasts to be feared, children's literature is filled with creatures of all kinds: big creatures, small creatures, thin creatures, tall creatures. From Pantalaimon to the Grinch, the Dementors, Winnie-the-Pooh, and more, we will take a special look at the fantastical literary creatures of children's fiction.
Thomas Årnfelt (M), *Christine Taylor-Butler*, *Dave Rudden*, *Amy McCulloch*, *Dr Carlos Hernandez*

15:30 **The early history of computer music**
4615 Talk 50 minutes Point Square: Odeon 5
From the minute someone hooked a speaker up to a mainframe, there have been people using computers to make music. From CSIRAC in Australia, to Bell Labs, to pioneering work in Russia, Germany, France, and Japan, the first decades of computers in music brought great technicians together with musicians, and great technology was put to use with often-questionable compositions.
Christopher Garcia

15:30 **Design your own comic**
4636 Children's Programme 50 minutes Spencer Hotel: Columba 2
Do you like comics? Have you ever created your own comic book? Do you think The Hulk should be able to fly, or maybe Spider-Man saves Superman from destruction? You'll use images and sections from old comic books to create new and unique comics to take home!
John Nisbet

15:30 **Biosciences**
4627 Academic 50 minutes Point Square: Odeon 6
(Academic)
1. Dr Chris Barker – 'Inositol: One Ring to Rule Them All?'2. Mr Kyle Malone – 'The Rise of the Drug in Science Fiction & Fantasy'

15:30 **Concert: Bed & Breakfast (Bill and Brenda Sutton)**
4603 Concert 50 minutes CCD: Wicklow Hall 2A
Bed & Breakfast is the duo of Bill and Brenda Sutton. They have performed at SF conventions and in pubs and coffee houses across the US and around the world.
Bill Sutton, *Brenda Sutton*

15:30 **Autographs: Charles Vess**
4606 Autographing 50 minutes Point Square: Mezzanine
Charles Vess

15:30 **Reading: Yoon Ha Lee**
4600 Reading 20 minutes CCD: ECOCEM Room
Yoon Ha Lee

15:30 **Robots before *RUR***
4618 Talk 50 minutes Point Square: Odeon 4
The word 'robot' was coined by the Czech writer, Karel Čapek, for his play, *Rossum's Universal Robots*, first performed in 1921. However, the idea of artificial human-like machines is far older. Cheryl Morgan takes us on a tour of the prehistory of robotics to see how artificial beings were imagined, and even built, by visionaries of the past.
Cheryl Morgan

16:00 **Time travel novellas after the end of history**
4687 Panel 50 minutes CCD: Liffey Room-1
Time travel is as fascinating to writers now as it has always been, but its portrayal has evolved in recent years. How do the preoccupations of time travel writers today differ from those of the past? Do they see new futures, and how do they reimagine the past? How have changes in the publishing landscape encouraged these new time travel plots and experiments?
Kelly Robson (M), *Dr Tiffani Angus*, *Kate Heartfield*, *Amal El-Mohtar*

16:00 **From fan to pro**
4693 Panel 50 minutes CCD: Liffey Room-2
The transition from being fan writers, artists, and content creators to making a living from your passions can change how you interact in fan spaces such as social media and conventions. Our panel of professional fans and fans-turned-pros discuss their experiences.
Laura Anne Gilman (M), *Zen Cho*, *Meg Frank*, *Jo Fletcher*

16:00 **Exploring Chinese science fiction**
4669 Panel 50 minutes CCD: ECOCEM Room
Chinese science fiction has seen a recent resurgence in popularity. Using selected writings by both native Chinese writers and diaspora writers overseas, the panel will look at the themes, tropes, and cultural values in the stories, while examining where they sit within the genre of science fiction as a whole.
Dr Tony Pi (M), *Regina Kanyu Wang*, *Joey Yu*, *Dr Feng Zhang*, *Yen Ooi*

16:00 **Tabletop RPG as inspiration for creative writing**
4678 Panel 50 minutes CCD: Wicklow Room-3
Tabletop roleplaying games (RPGs) take us to fantastical new worlds and allow us to explore these places with others; it's no wonder that they inspire us far beyond the table. In this panel, authors will discuss how games they have run or played in provided inspiration or source material for future creative endeavours.
Gareth Hanrahan (M), *Steven Erikson*, *Christian (Miles) Cameron*, *Mur Lafferty*, *Kieron Gillen*

16:00 **Problems for future historians**
4681 Panel 50 minutes CCD: Wicklow Room-4
Pity the poor historians of the 22nd century. The Brexit Bus, 'New Phone, Who Dis?', and 'SAD!' will be dissertation topics, and they'll need to explain to puzzled undergraduates how both left and right decided to wear yellow vests. But, as we have seen with the disappearing websites of the 1990s, how will they manage their task when so much of our present day culture leaves no physical trace?
William Frank (M), *Adrienne Foster*, *Dr Katja Kontturi*, *Russell A Smith*, *Mr Grzegorz Aleksander Biały*

16:00 **The work of Cathal Ó Sándair**
4675 Talk 50 minutes CCD: Wicklow Room-2
Cathal Ó Sándair is said to have been the best-selling writer in the Irish language, but his books are all but forgotten. Ó Sándair wrote over 150 novelettes in Irish from the 1940s onwards, including quite a few science fiction stories, mostly featuring a space pilot called Captaen Spéilling. This talk will discuss Ó Sándair's contribution to Irish science fiction and Irish language publishing.
Pádraig Ó Méalóid

16:00 **Fan funds auction**
4642 Event 110 minutes CCD: Wicklow Hall 2B
Are you a generous and discerning convention attendee who'd like to support fannish travel funds such as TAFF (the Trans-Atlantic Fan Fund) and GUFF (the Going Under/Get Up-and-over Fan Fund) as they strengthen connections across SF fandom by exchanging delegates between continents? Come and exchange your cash for quality merchandise and unique items, in the fan funds auction!
Claire Brialey (M), *Marcin "Alqua" Klak*, *Jerry Kaufman*

16:00 **Group reading: speculative performance poetry**
4690 Group reading 50 minutes CCD: Liffey Room-3
Speculative poetry encompasses themes from science fiction, fantasy, and horror as well as all of the subgenres in between. Dublin 2019 presents a special showcase of poets who have come together to perform a selection of speculative poetry and to share the magic of this exciting medium. This reading will feature new and classic works from speculative poetry's mainstays, rising starts, and trendsetters.
C. S. E. Cooney (M), *Jenny Blackford*, *Sandra Kasturi*, *Geoffrey A. Landis*, *Mary Soon Lee*, *Nigel Quinlan*, *Dr Anatoly Belilovsky*, *Sazib Bhuiyan*, *Brandon O'Brien*

16:00 **Into the woods**
4645 Panel 50 minutes CCD: Wicklow Hall-1
From Little Red Riding Hood's forests to *Annihilation*'s eldritch funghi, nature and plants have been a powerful force in fiction from historical fairy tales to far-future hydroponics. How have forests shaped fiction, and how has the use of nature in fiction changed over time? What do we love – or hate – about leaves?
Navah Wolfe (M), *Jennifer Mace*, *Sarah Gailey*, *Seanan McGuire*, *Sue Burke*

16:00 **Is the musical a work of fantasy?**
4672 Panel 50 minutes CCD: Wicklow Room-1
Everyone knows the rules of a musical: all street urchins perform impeccable choreography, every lonely goatherd can carry a tune, and all sisters wear matching outfits differing only by colour. The setting of a musical is as fantastical as a fairy court or witch's cottage. But does this escape from reality count as a fantasy setting?
Neil Williamson (M), *Ruth Frances Long*, *Gabriella Gomez*, *Marguerite Smith*, *Christopher Brathwaite*

16:00 **Autographs: GoHs Diane Duane and Ian McDonald**
4648 Autographing 50 minutes CCD: Level 4 Foyer
Diane Duane, *Ian McDonald*

16:00 **Editors panel: challenges and anecdotes**
4639 Panel 50 minutes CCD: Liffey Hall-2
Every job has its challenges, and editing fiction is no exception. Some of our favourite editors discuss the challenges of their jobs, and the interesting obstacles and diversions that they've encountered throughout their careers – and those that have made for truly special days.
Eleanor Teasdale (M), *Michael Rowley*, *Ginjer Buchanan*, *David Thomas Moore*, *John R. Douglas*

16:00 **Preparing for space**
4696 Talk 50 minutes CCD: Liffey-B (Second Stage)
Two talented women coming from different backgrounds have found a common passion: to get to space. What sparked their interest, and what prepared for them for getting into their respective programmes? What obstacles did they need to overcome? What are the differences and commonalities in their training, and what hazards are considered with their respective regimes?
Jeanette Epps, *Dr. Norah Patten*

16:00 **Kaffeeklatsch: Mary Turzillo**
4651 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Mary Turzillo

16:00 **Kaffeeklatsch: Atlin Merrick**
4654 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Atlin Merrick

16:00 **Kaffeeklatsch: Alexandra Rowland**
4657 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Alexandra Rowland

16:00 **Kaffeeklatsch: Ellen Kushner**
4660 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Ellen Kushner

16:00 **Kaffeeklatsch: Paddy Lennon**
4663 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Paddy Lennon

16:00 **Kaffeeklatsch: Sarah Pinsker**
4666 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Sarah Pinsker

16:30 **Blurred media**
4717 Panel 50 minutes Point Square: Odeon 5
As films, television, books, comics, and games intermingle across channels, both in terms of content and production, how is this influencing the approaches and the skills involved in their creation?
Stark Holborn (M), *Ben Galley*, *Matt Hill*, *Kat Kourbeti*, *Michael Cassutt*

16:30 **A taste of early music for vocal performance**
4720 Talk 50 minutes Point Square: Odeon 4
This programme is a sampler of early vocal music from multiple countries and time periods between the 9th/10th centuries and the turn of the 17th century. The focus is primarily non-liturgical music designed for solo performance; songs will be placed in historical context. Short excerpts of multiple performances of the songs will be played, to illustrate different artists' interpretations of the songs.
Kerri-Ellen Kelly (M)

16:30 **Who did what best?**
4723 Panel 50 minutes Point Square: Odeon 3
We look at the elements of images that define the tropes of sci-fi and fantasy, and we ask what artists did the best versions. Expect some arguments…
Edie Stern (M), *Vincent Docherty*, *Jenn Lyons*, *Phil Foglio*, *Grace P. Fong*

16:30 **The comics galaxy of Star Wars**
4735 Panel 50 minutes Point Square: Stratocaster BC
A long time ago, Star Wars comics were published by Marvel and bore little relation to the movies. After a critically acclaimed run with Dark Horse, Star Wars comics returned to Marvel in 2015, giving new depth to existing characters (Princess Leia, Darth Vader) and introducing new fan favourites (Doctor Aphra, the Second Sister). Should the comics follow the big screen more closely, or vice versa?
John Coxon (M), *Stephen Mooney*, *Gabriel Petersen*

16:30 **Fan art you can drink**
4705 Workshop 80 minutes CCD: Wicklow Room-5
Come and learn a unique fan expression: characters and concepts as cocktails! In this hands-on workshop, we'll discuss our process for capturing a personality in spirits, mixers, and garnishes. We've been creating a weekly craft cocktail based on *The Expanse* for two years. You'll make five of our favourites, learning various mixology skills, and drink your work! And you'll leave ready to cocktail-ify your favourite fictional worlds. Note that only those aged 18 and over are allowed to consume alcohol in this workshop; proof of age will be checked. A small fee will be collected to cover costs and materials.
Hanne-Madeleine (Iro) Gates Paine (M), *Kagan MacTane*

16:30 **Concert: Alexander James Adams**
4711 Concert 50 minutes Point Square: Warehouse 2 - Performance space
Canticles Productions brings Alexander James Adams at his best, with high fantasy storytelling through music. If you love literature, art, music, and media in fantastical worlds never seen before, then Canticles is for you. This performance will feature Alexander James Adams performing acoustically. Find us on Patreon to support our amazing family of independent creators, or on YouTube.
Alexander James Adams

16:30 **Astrophysics for writers**
4729 Workshop 50 minutes Point Square: Odeon 6 (Academic)
Dublin Institute for Advanced Studies.'Space is big. Really big. You just won't believe how vastly, hugely, mind-bogglingly big it is.' Douglas Adams was right about the sheer scale of the universe, and just how difficult it is to grasp that scale. In this workshop, we hope to help sci-fi writers, artists, and fans to get a sense of that scale, and also point out a number of other simple tricks to help add a dose of realism to sci-fi. This workshop is also intended to discuss how fandom can help bring the wonder of science to a wider audience and the opportunities to learn from science fiction.
Dr Oisin Creaner

16:30 **Autographs: Jim Fitzpatrick**
4714 Autographing 50 minutes Point Square: Mezzanine
Jim Fitzpatrick

17:00 **Luddites of SF**
4789 Panel 50 minutes CCD: Liffey Room-1
Not all SF evangelises about technology; many genre works actively critique it. But SF that criticises or protests against tech is often labelled anti-tech or Luddite, even though the original Luddites protested only against technology they saw as anti-humanist. Can SF reclaim the original meaning and change the narrative?
Renee Sieber (M), *Dr Glyn Morgan*, *Auston Habershaw*, *Avner Shahar-Kashtan*

17:00 **Urban fantasy from the margins**
4738 Panel 50 minutes CCD: Liffey Hall-2
A new generation of marginalised urban fantasists are finding fresh ways to place the supernatural in real-world settings. The panel will look at how these writers are subverting the tropes of urban fantasy: incorporating non-western mythological traditions; depicting marginalised communities; exploring how fantasy can illuminate the boundaries of race, gender, ability, spirituality, and more.
Claire Light (M), *Nicole Givens Kurtz*, *Eliza Chan*, *Rebecca Roanhorse*

17:00 **The history of censorship and information control**
4741 Panel 50 minutes CCD: Wicklow Hall-1
Panellists consider how censorship and technology have influenced the dissemination of information through time and across the world, particularly when that information runs counter to the status quo. Has anything changed with advancements in tech; have the revolutions in information availability been successful? Or is it the same old intellectual property, societal preservation, and corporate control?
Dr. Deb Geisler (M), *Ada Palmer*, *Kelvin Jackson*, *Mikko Rauhala*

17:00 **Tall technical tales**
4795 Panel 50 minutes CCD: Liffey Room-2
What kind of stories emerge from the lab when scientists gather round the campfire and have too much to drink? Will they involve exploding particle accelerators, the escape of dangerous diseases, or why you should never operate a centrifuge while drunk?
Dr Claire McCague (M), *Dr Helen Pennington*, *Dr Nicholas Jackson*, *Dr David L Clements*, *Mr Ingvar Mattsson*

17:00 **Horror: where are we going?**
4780 Panel 50 minutes CCD: Wicklow Room-3
What is a 'horror' story? What makes a horror story work? Must it inspire fear, or can it have different aims and still be successful? Where is the genre headed, and what tales and authors will leave their mark on the genre? What does the contemporary landscape of horror look like to the panellists, and who do they recommend reading right now?
Alasdair Stuart (M), *Stephen Jones*, *Ellen Datlow*, *Brett Savory*, *John Connolly*

17:00 **What fanfiction can teach genre writers**
4771 Panel 50 minutes CCD: ECOCEM Room
Fanfiction's popularity continues to grow, tapping into the special creative connection between authors and fans. What is it about this literary nexus that is so fascinating and stimulating for fans? And what might authors have to learn from fans who write it?
Sara-Jayne Slack (M), *Naomi Novik*, *Jeremy Szal*, *Kate Sheehy*

17:00 **Gender and the writer**
4774 Panel 50 minutes CCD: Wicklow Room-1
Gender defines and redefines how we think about ourselves, each other, and our characters. Our panel delves into the topic of gender, looking past the basics of diversity to examine the issues important to trans, nonbinary, and gender-nonconforming creators and readers.
Dr Nick Hubble (M), *Dr. J.S. Fields Ph.D.*, *Vanessa Rose Phin*, *Jasmine Gower*, *BE Allatt*

17:00 **Why I write science fiction and/or fantasy**
4777 Panel 50 minutes CCD: Wicklow Room-2
Authors write for their own reason, but why do they choose science fiction and fantasy? What is it about these genres that compels them to write? Our authors share their love and need to write within these genres. Let's explore the wonders that SFF hold for our authors and readers alike.
Mick Schubert (M), *Dr Martin Owton*, *Alexander Dan Vilhjálmsson*, *Tina Connolly*, *Stanley Qiufan Chen*

17:00 **Family disco**
4801 Children's Programme 90 minutes Spencer Hotel: Columba 1
This family event is for parents and children to come and boogie together! Disco anthems and music from legends like Stevie Wonder, as well as music from well-known movies and TV, providing tunes the whole family will love to dance to. With games and activities, ribbon sticks, bubbles, and balloons. Children must be accompanied by an adult and all adults must be accompanied by a child; maximum ratio of one adult to three children.
Sal Roche

17:00 **Octocon presents: The Vault of Horror**
4798 Event 110 minutes CCD: Liffey-B (Second Stage)
The Vault is back and for its fifteenth goryious year (see what we did there) we have decided to share both the fun and horror with the Worldcon. Join your host, award-winning screenwriter and film-maker, John Vaughan as he deconstructs moments from some of the worst films ever made. No film is safe and neither is the audience from the laughter and groans which can be heard when the Vault is opened.
The John Vaughan

17:00 **Winter came**
4783 Panel 50 minutes CCD: Wicklow Room-4
It's over. Let's talk about how it ended: what worked, what didn't, and what the legacy and influence of *Game of Thrones* is likely to be.
Laura Antoniou (M), *Marina Berlin*, *Mr Adam Whitehead*, *Charlie Jane Anders*, *Linda Antonsson*

17:00 **Concert: Death Ingloria (Galina Rin)**
4786 Concert 50 minutes CCD: Wicklow Hall 2A
Death Ingloria: rock music, comic art, and animation. Death Ingloria explores humanity's depths, its heights, and its inevitable conclusions through rock music, comic art and animation.Death Ingloria's debut album *The Wolf Onboard* is a complete science fiction story told across seven songs, a seven page comic book, and seven animated videos which play out during Death Ingloria's performances. The comic is the narration of the story, the songs the voices of the characters. Each of Death Ingloria's albums are complete sci-fi stories accompanied by an animated comic. At the end of each album, humanity finds inglorious ways to be completely wiped out.
Galina Rin

17:00 **Reading: Ellen Klages**
4792 Reading 20 minutes CCD: Liffey Room-3
Ellen Klages

17:00 **Autographs: Saturday at 17:00**
4744 Autographing 50 minutes CCD: Level 4 Foyer
Joseph Malik, *Debra Jess*, *Daryl Gregory*, *Gordon Van Gelder*, *Rachel Hartman*, *Aimee Ogden*

17:00 **Kaffeeklatsch: Jo Walton**
4753 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Jo Walton

17:00 **Kaffeeklatsch: Gillian Redfearn**
4756 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Gillian Redfearn

17:00 **Kaffeeklatsch: Henry Spencer**
4759 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Henry Spencer

17:00 **Kaffeeklatsch: S.A. Chakraborty**
4762 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
S.A. Chakraborty

17:00 **Literary Beer: Dr Shaun Duke**
4747 Literary Beer 50 minutes Martin's (CCD: Liffey-A)
Dr. Shaun Duke

17:00 **Literary Beer: Joe Haldeman**
4750 Literary Beer 50 minutes Martin's (CCD: Liffey-A)
Mr Joe Haldeman

17:00 **Kaffeeklatsch: Dr Inge Heyer**
4765 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Dr Inge Heyer

17:00 **Kaffeeklatsch: Michael Swanwick**
4768 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Michael Swanwick

17:30 **Protest and resistance in fiction and reality**
4825 Panel 50 minutes Point Square: Stratocaster BC
The last decade has repeatedly demonstrated the central role of protest in politics. From the Women's March in DC to the Arab Spring, protests have played a vital role in shaping the political conversation. How does SF reflect this reality? Is there room for protest in heroic fiction, or do these types of stories only leave space for violent resistance?
Ranylt Richildis (M), *Abigail Nussbaum*, *Mary Anne Mohanraj*, *Paolo Bacigalupi*, *Veronica Roth*

17:30 **Whose book is it anyway?**
4810 Panel 50 minutes Point Square: Alhambra
Who decides which YA books get bought? Publishers? Editors? Booksellers? Parents? Or maybe even YA readers? Join us for a thoughtful discussion on marketing and publishing in YA as we look at how YA novels get chosen. Moreover, what are publishers and readers looking for in a book?
Marguerite Kenner (M), *D Franklin*, *Juliet Mushens*, *Molly Ker Hawn*, *Stevie Finegan*

17:30 **Reading: Sarah Tolmie**
4804 Reading 20 minutes CCD: Liffey Room-3
Dr Sarah Tolmie

17:30 **NewCon Press book launch**
4807 Book launch 60 minutes Point Square: Warehouse 2 - Performance space
Best of British SF 2018 (anthology), *Once Upon a Parsec* (anthology), *The Boughs Withered* by Maura McHugh, *Wourism and Other Stories* by Ian Whates. Many authors including Adrian Tchaikovsky, Maura McHugh, G. V. Anderson, Tim Major, Fiona Moore, Neil Williamson, Finbarr O'Reilly and Ian Whates on hand to sign books. All welcome. We will be serving light refreshments.
Ian Whates, *Maura McHugh*, *Adrian Tchaikovsky*, *Tim Major*, *Professor Fiona Moore*

18:00 **Introduction to Afrofuturism**
4831 Panel 50 minutes CCD: Wicklow Hall 2B
Afrofuturism blends the African diaspora with science, technology, and philosophy. The term was coined in 1994 by Mark Dery, but discussions surrounding the validity of a term not created by the community it references have led to other names for the subgenre, including: the Black Fantastic, African futurism, CyberFunk, and Sword and Soul. Probably the most well-known recent example is *Black Panther*, but the subgenre includes a wide range of art, music, and literature. Our panel will give an introduction to the topic and offer recommendations.
Maquel A. Jacob (M), *Afua Richardson*, *Brandon O'Brien*, *Rivers Solomon*

18:00 **The popularity of livestreaming games**
4864 Panel 50 minutes CCD: Liffey Room-1
One of the most common reactions we hear when talking about livestreaming is: 'You want to *watch* other people play games? Why?!' On this panel, we discuss why streaming on platforms like Twitch has been exploding in popularity in recent years.
Ciaran Roberts (M), *Tanya DePass*, *Avery Delany*, *Ell Schulman*

18:00 **How not to make feudal mistakes**
4867 Panel 50 minutes CCD: Liffey Room-3
Why are there so many feudal societies in fiction when, in reality, the feudal system largely didn't exist in its popularised form? Why do fantasy authors keep coming back to it? What problems and benefits are there to feudalism in fantasy and why does it make historians cringe? This panel will explore the popularity of medieval feudalism in fantasy and consider the possible alternatives.
Jeanine Tullos Hennig (M), *Kari Sperring*, *Dr Anna Smith Spark*, *Mr Micah Yongo*

18:00 **Literary Beer: GoHs Bill and Mary Burns**
4837 Literary Beer 50 minutes Martin's (CCD: Liffey-A)
Bill Burns, *Mary Burns*

18:00 **Children's books: the gateway drug**
4870 Panel 50 minutes CCD: Liffey Room-2
For most of us, exposure to sci-fi and fantasy starts as children. At what point does imaginative children's book illustration start being labelled 'fantasy'? What creators influenced you? How aware are these two industries of each other? We talk to people who've had experience of both.
Oisin McGann (M), *Gili Bar-Hillel*, *Holly Black*, *Lee Moyer*, *Ben Hennessy*

18:00 **Literary Beer: GoH Prof Jocelyn Bell Burnell**
4840 Literary Beer 50 minutes Martin's (CCD: Liffey-A)
Prof Jocelyn Bell Burnell

18:00 **Reading: GoH Diane Duane**
4828 Reading 50 minutes CCD: Liffey Hall-2
Diane Duane

18:00 **Reading: GoH Ian McDonald**
4834 Reading 50 minutes CCD: Wicklow Hall-1
Ian McDonald

19:00 **The appeal of the gumshoe in SFF**
4879 Panel 50 minutes CCD: Wicklow Hall 2B
From Harry Dresden to Peter Grant, Takeshi Kovacs to Doré Konstantin, the hard-bitten gumshoe character has been transposed into a wide range of SFF settings. With a shared origin within the pages of pulp magazines, it's no surprise that detectives and science fiction have had a long shared history. This panel will discuss the ways in which tropes from detective fiction have been adapted by authors of SFF into a multitude of genres.
Virginia (M), *Nicole Givens Kurtz*, *Jon Courtenay Grimwood*, *Robin Duncan*, *Matthew Hughes*

19:00 **Science and politics of water**
4882 Panel 50 minutes CCD: Wicklow Hall-1
Water is life. Twisting a line from Frank Herbert: 'He who controls the water controls the universe.' Our planet is covered by 70% water, our bodies comprise 70% water, and most plants contain 90% water. What other roles does water play in our technologically savvy world? How has water shaped our political landscape, in a time of rising tides and warming oceans? What can we do to protect our most precious resource?
Sam Fleming (M), *Darcie Little Badger*, *Dr Tad Daley*, *Paolo Bacigalupi*

19:00 **In the background: class in YA fiction**
4900 Panel 50 minutes CCD: Liffey Room-2
For too long, with honourable exceptions, the 'generic' YA protagonist was white, non-disabled, cishet, middle class. In recent years, YA is working hard to become more inclusive. But what does class mean in YA fiction? (And, perhaps, in access to books?) Are there role models for people from every background? And is it easier to deal with a fictional class system than a real one?
Marieke Nijkamp (M), *Avery Delany*, *Caroline Hooton*, *Victoria Lee*

19:00 **Audio dramas and radio plays**
4894 Panel 50 minutes CCD: Liffey Room-1
With the rise of paying markets like Big Finish Productions and Audible Theater, a new era in professional audio theatre has dawned. But how do you go about writing or recording an SFF audio drama or radio play – and are they even the same thing? In this suddenly booming industry, where do you start? And what is the demand for this type of work?
Jeanne Beckwith (M), *Phil Foglio*, *Roger Gregg*, *Professor Fiona Moore*

19:00 **Narrative and storytelling for games**
4876 Panel 50 minutes CCD: Liffey Hall-2
The manner in which games create narratives has led to, arguably, some of the most compelling storytelling presented in any form. How does this form of narrative differ from more established forms in literature? What unique opportunities and constraints does this medium present to writers and narrative designers, as well as players?
Dr Carlos Hernandez (M), *Carrie Patel*, *Nicolette Stewart*, *Yen Ooi*

19:00 ***Walls and Windows***
4891 Play 50 minutes CCD: Wicklow Hall 2A
Adult content warning. Fishamble Theatre presents Mary Murray in a reading of excerpts from *Walls and Windows* by trailblazing playwright Rosaleen McDonagh. It is a play about the accommodation crisis: what happens when a young Traveller woman is put into a hotel room and has her children taken from her? *Fishamble* is an Olivier Award-winning, internationally acclaimed, Irish theatre company which discovers, develops, and produces new work across a range of scales. *Rosaleen McDonagh* is a Traveller woman with a disability. She worked in Pavee Point Traveller & Roma Centre for ten years, managing the Violence Against Women programme, and remains a board member. She is a regular contributor to the *Irish Times* and has written within the framework of a Traveller feminist perspective. *Mary Murray* has appeared in over 40 television and film productions. Most notably she played the role of Janet in *Love/Hate* for RTE. She has toured China, the United States, and Europe in numerous theatre productions and been awarded best actress and supporting actress awards by the *Irish Times*, MAMCA and the First Irish, New York.
Ms. Mary Murray, *Chandrika Narayanan-Mohan*

19:00 **Reading: E. Lily Yu**
4897 Reading 20 minutes CCD: Liffey Room-3
E. Lily Yu

19:00 **Literary Beer: Mary Anne Mohanraj**
4885 Literary Beer 50 minutes Martin's (CCD: Liffey-A)
Mary Anne Mohanraj

19:00 **Literary Beer: Victoria 'V. E.' Schwab**
4888 Literary Beer 50 minutes Martin's (CCD: Liffey-A)
Victoria "V.E." Schwab

19:30 **Reading: P. C. Hodgell**
4906 Reading 20 minutes CCD: Liffey Room-3
P C Hodgell

20:00 **Authors and social media: friends or foes?**
4915 Panel 50 minutes CCD: Wicklow Hall-1
Join us as we explore the good, the bad, and the ugly of the relationship between authors and social media. Where should you be? What should you do? And how much is too much? From Twitter to Facebook, via Instagram: how to make social media work for you and avoid digging your own digital grave in the process.
Francesca T Barbini (M), *Gareth Powell*, *Georgina Kamsika*, *Amal El-Mohtar*

20:00 **Future financial systems and transactions**
4912 Panel 50 minutes CCD: Wicklow Hall 2B
The recent global financial crisis revealed major flaws in the system. What were some of these flaws? Were they fixed and what impact will they have on the legacy of our financial systems? Investors are looking for stability and security in the systems. Where should they place their trust? What do we need to know, and what red flags should we be watching for in the future?
Jo Lindsay Walton (M), *Shmulik Shelach*, *Dr Stewart Hotston*, *Nile Heffernan*, *Ms Maria Farrell Ms*

20:00 **Masquerade**
4936 Event 117 minutes CCD: Auditorium
A long-standing favourite event at Worldcons, on Saturday evening we bring to you the Masquerade: a series of mini-theatrical productions in which Worldcon members of all levels and abilities show off their costuming skills to entertain the audience and compete for awards. All Worldcon members are welcome to participate, either by producing and entering costumes of their own or by joining the audience to watch the show.
Ric Bretschneider (M)

20:00 ***Forbidden Planet* at the IFI – with GRRM**
4942 Media 150 minutes Other: Fringe
George R. R. Martin will attend a screening of the classic SF film *Forbidden Planet* (1956) at the Irish Film Institute (IFI) in Temple Bar, Dublin: 'A starship crew investigates the silence of a planet's colony, only to discover two survivors – and a deadly secret.'After the screening Maura McHugh will be in conversation with George R. R. Martin about his love for the film and its impact on him and his writing.This event is separately ticketed via the IFI and is completely sold out.
Maura McHugh (M), *George R.R. Martin*

20:00 **Literary Beer: GoH Diane Duane**
4918 Literary Beer 50 minutes Martin's (CCD: Liffey-A)
Diane Duane

20:00 **Concert: The Library Bards**
4939 Concert 60 minutes CCD: Liffey-B (Second Stage)
The Library Bards are a nerd parody band consisting of Bonnie Gordon (ABC's *The Quest*; Cartoon Network; *Street Fighter V*; *Mega Man 11*; Geek & Sundry) and Xander Jeanneret (TBS's *King of the Nerds*; announcer in *Divekick*, *Sagas of Sundry*, etc.). They take Top 40 hits and transform them into the nerdy versions they should have been in the first place. With their catchy tunes and nerdy lyrics, the@LibraryBards will be bringing you into the #BardLife in no time!
Bonnie Gordon, *Xander Jeanneret*

20:00 **What's been happening at WETA Digital?**
4909 Presentation 50 minutes CCD: Liffey Hall-2
Norman Cates has been at Weta Digital for over 18 years. (Whew! Has it been that long?) So he has some movies to talk about! Using various clips and behind the scenes footage, Norman will give some insights into the world of visual effects, with examples from some of the biggest films of the last 20 years. He will also take questions, but can't guarantee answers…Oh, and for the privilege of being able to share this with you, we ask that there be **absolutely no photography or recording of any kind** once the panel has started.
Norman Cates

20:00 **Bright Club Ireland**
4924 Event 50 minutes CCD: Wicklow Hall 2A
Academics as comedians! With comedy, music, and more besides, Bright Club is the only variety night where you'll furrow your brow before laughing your face off!
Dr. Jessamyn Fairfield (M), *Dr Steve Cross*, *Dr Sarah Sharp*, *Ana Panigassi*, *Rob O' Sullivan*

20:00 **Reading: Dr Theodora Goss**
4930 Reading 20 minutes CCD: Liffey Room-3
Dr Theodora Goss

20:00 **Literary Beer: Gary K. Wolfe**
4921 Literary Beer 50 minutes Martin's (CCD: Liffey-A)
Gary K Wolfe

20:30 **Reading: Nina Allan**
4945 Reading 20 minutes CCD: Liffey Room-3
Nina Allan

21:00 **Panel show: 'That was unexpected!'**
4951 Quiz/Gameshow 50 minutes CCD: Wicklow Hall 2B
Ever wanted to know what your favourite fantasy novelist would do if *they* were suddenly turned into a witch's familiar? Or how a popular sci-fi writer would communicate with an alien race that only speaks in bad puns? Watch a team of esteemed writers talk their way out of the kinds of problems they're accustomed to writing their characters out of, and some that they would never have imagined.
Brandon O'Brien (M), *Catherynne Valente*, *Charlie Jane Anders*, *Rafeeat Aliyu*, *Joe Abercrombie*

21:00 **Dystopia in current times**
4948 Panel 50 minutes CCD: Liffey Hall-2
Where do we draw the line between a dystopia and living in a real, tyrannical state? What are the less obvious means that a state can use to control its citizens? Dystopias are frequently positioned as futuristic; under the threat of climate change and oppressive governments, how do we reconcile our world today with the dystopian fiction we consume? What can we take from these stories and apply to our own worlds?
Patrice Sarath (M), *Pablo Defendini*, *Rebecca Roanhorse*, *Veronica Roth*

21:00 **Send in the crones: older women in SFF**
4954 Panel 50 minutes CCD: Wicklow Hall-1
Very often SFF stories centre on young women, with older female characters being consigned to background dressing at best and cliched depictions of elders and antagonists at worst. Is anyone writing stories that focus on older women? Where are the middle-aged heroines?
Sam Hawke (M), *Lauren Roy*, *Ali Baker*, *Devin Madson*, *Julie C. Day*

21:00 **Saturday filk circles 1**
4966 Concert 230 minutes CCD: Liffey Room-1

21:00 **Saturday filk circles 2**
4969 Concert 230 minutes CCD: Liffey Room-2

21:00 **Literary Beer: Pat Cadigan**
4957 Literary Beer 50 minutes Martin's (CCD: Liffey-A)
Pat Cadigan

21:00 **Literary Beer: Elizabeth Bear**
4960 Literary Beer 50 minutes Martin's (CCD: Liffey-A)
Elizabeth Bear

22:00 **Cats in SFF**
4978 Presentation 50 minutes CCD: Liffey Hall-2
Love them? Hate them? Feline heroes, villains, and victims in art and story; from the Sphinx, through Maneki Neko and Heinlein's Pixel, to *Exploding Kittens* and Bast knows who else, we coo over them, laugh at them, sometimes fear them, and even worship them. Cats. With pictures.
Mary Turzillo

22:00 **Down Below the Reservoir**
4984 Play 90 minutes CCD: Liffey-B (Second Stage)
Down Below the Reservoir presents: 'A Dance in the Dark'. There is no God. Love is impossible. Everyone drinks the water here. *Down Below the Reservoir*, Ireland's first horror fiction podcast, is adapted from the works of acclaimed horror writer Graham Tugwell and voiced by award-winning YA authors Dave Rudden, Sarah Maria Griffin, and Deirdre Sullivan. Join them for a very special event: a live performance where the audience is in control and the authors are at your mercy. You choose their actions, as their characters attempt to navigate what was supposed to be a celebration, what was supposed to be the best night of their lives…
Dave Rudden, *Deirdre Sullivan*, *Ms Sarah Maria Griffin*, *Graham Tugwell*, *Mr Bryan Mullen*

22:00 **John Scalzi's 'Dance Across the Decades'**
4981 Dance 180 minutes CCD: Wicklow Hall 2A
Put on your dancing shoes and bring all your friends as award-winning DJ (and occasional author) John Scalzi plays the most danceable tunes from the '70s, '80s and '90s to today. From the Bee Gees to Bowie to Beyonce and beyond – all the best beats to move your feet. Let's dance!

22:05 **The ins and outs of SFF erotica [over 18s]**
4987 Panel 50 minutes CCD: Wicklow Hall-1
Adult content warning. From sex robots to courtesans in a fantastical France, alien threesomes to elf orgies, the wonderful world of SFF erotica is as varied and exciting as the rest of genre fiction. There really is something for everyone! Join our panel of smut aficionados as they plumb the depths of erotic SFF literature.
Anna Raftery (M), *Dr Tiffani Angus*, *Atlin Merrick*, *Elliott Kay*

23:00 **Werewolf!**
4990 Game 110 minutes CCD: Liffey Room-3
Are you a werewolf? Join us for a fun interactive game of deduction and survival for two teams: villagers and werewolves. No sign-up required. Each game takes about 45 minutes. So if you're a few minutes late, no worries: just watch and then join in the next game.

Sunday

09:00 **Live long and prosper: yoga and meditation for Trekkies (Day 2)**
5009 Workshop 50 minutes CCD: Wicklow Room-5
If you really want to live long and prosper, try yoga. In Day 2 of this workshop, a certified Kundalini Yoga instructor will guide the group through an easy warm-up and a second meditation that incorporates Mr Spock's favourite mudra: the Vulcan salute. This introductory-level class can be done in a chair, or feel free to bring a mat and pillow. Comfortable clothes recommended: red shirts not advised. Sign-ups in advance will be required for this workshop. Engage!
Erin Wilcox

09:00 **Stroll with the stars: Sunday**
5006 Stroll 50 minutes CCD: Ground Floor Foyer
Mary Turzillo, *Peadar Ó Guilín*, *Mary Anne Mohanraj*, *Jean Bürlesk*, *Scott Edelman*, *Patrick Nielsen Hayden*

09:30 **Build a lightsaber**
5024 Children's Programme 30 minutes Spencer Hotel: Columba 1
This is your chance to build and take home a cool lightsaber in a workshop hosted by our venerable leader, Dublin 2019 Chair James Bacon. Parents are welcome to assist.
James Bacon

10:00 **Doctor Who beyond the TV screen**
5027 Panel 50 minutes CCD: Liffey Hall-2
We see a lot of programme items that talk about *Doctor Who* as a TV series, the actors, the stories, etc. However, we don't see as many items about *Doctor Who* beyond the TV. How has the Doctor's reach permeated print? Books? Gaming? Radio plays? …and why has there not been a modern big budget *Doctor Who* movie in cinemas?
Nina Niskanen (M), *Paul Cornell*, *John Jarrold*, *Harun Šiljak*

10:00 **Down the rabbit hole: the appeal of portal fantasy**
5081 Panel 50 minutes CCD: Liffey Room-2
In portal fantasies people are transported from our world to another, which allows the reader to learn about this new world at the same time as the protagonist. What is theappeal of portal versus secondary world fantasies? Why are portal fantasies so often written for children and teens rather than adult readers? The panel will discuss the appeal of portal fantasy and its place in the fantasy genre.
Kathryn Sullivan (M), *Seanan McGuire*, *Vina Prasad*, *Genevieve Cogman*

10:00 **Tabletop games as educational tools**
5063 Panel 50 minutes CCD: Wicklow Room-3
Tabletop games have been successfully used in classroom environments as a fun and exciting method of teaching. In this panel we will explore the use of games in this setting and talk about specific games that have been successful in the past.
Dr Helen Pennington (M), *Rachel Scanlon*, *Fergal Mac Carthaigh*, *Elsa Sjunneson-Henry*

10:00 **What I read when I was young**
5084 Panel 50 minutes CCD: Liffey-B (Second Stage)
The books we read in childhood often have a lasting influence. In this panel, finalists for the Hugo Award for Best Novel discuss the books that had a profound effect on the people they became. How did these works change them? Was this influence a good or a bad one? Is there a book they think everyone should read at least once in their life?
Mur Lafferty (M), *Mary Robinette Kowal*, *Catherynne Valente*, *Rebecca Roanhorse*, *Becky Chambers*, *Naomi Novik*, *Yoon Ha Lee*

10:00 **Earth from the Moon: a first glance into relativity**
5090 Children's Programme 50 minutes Spencer Hotel: Columba 2
A workshop for children aged 9-12. An interactive scientific inquiry about the Earth-Moon relationship, challenging classic misconceptions. Children will use both their bodies and spheres to model the Earth-Moon system.
Dr. Estelle Blanquet

10:00 **How to start a podcast**
5033 Panel 50 minutes CCD: Wicklow Hall-1
Podcasting is a great way for fans to be heard and seen and to share their passion and theories, but starting your own may appear difficult. Our panel of seasoned podcasters discuss how to get started – including hosting, gear, recording, editing, and finding an audience.
Dan Moren (M), *Kate Baker*, *Eeson Rajendra*, *Jeremy Carter*, *Megan Leigh*

10:00 **It's all gone to shit: grimdark worldbuilding**
5060 Panel 50 minutes CCD: Wicklow Room-2
Let's build a dark and dreadful world, and then make it worse. Join our super-serious panelists as they discuss the darker aspects of worldbuilding in fantasy.
Robert Corvus (M), *Dr Anna Smith Spark*, *Cameron Johnston*, *Joe Abercrombie*, *R.F. Kuang*

10:00 **The bare bones of worldbuilding: archaeology in SFF**
5030 Panel 50 minutes CCD: Wicklow Hall 2B
Whether it's an actual archaeological dig looking for evidence of alien civilisations or fantasy characters camping in the ruins of their ancestors, archaeological evidence and research can be used to help develop a world beyond the here and now and add complex layers to a story without the need for exposition. The panel will discuss the ways in which archaeology has been used to deepen SFF worldbuilding and storytelling.
Ehud Maimon (M), *Dr Katrin Kania*, *Alyc Helms*, *Marie Brennan*

10:00 **Introduction to bellydance**
5069 Workshop 110 minutes CCD: Wicklow Room-5
Always wondered if you could belly dance? Want to find out how? This workshop will cover the basics for the curious – educational and enjoyable! All welcome. Sign-ups in advance will be required for this workshop (limited to 40 people).
Jeanine Tullos Hennig

10:00 **1001 years later: what happened to Arabian fiction?**
5054 Panel 50 minutes CCD: ECOCEM Room
The Arabic countries have a rich history of storytelling, but what stories are being told in the modern day? Who is telling them and who is reading them? What is the relationship of present day storytelling to the colonial and romanticised past?
Yasser Bahjatt (M), *Dr Ahmad Hamed*, *Dr Shaima Alshareef*

10:00 **Writing interactive fiction**
5066 Panel 50 minutes CCD: Wicklow Room-4
Where once we had 'choose your own adventure' stories, we now have interactive fiction; what is this new type of fiction and how does it differ from traditional storytelling or the old CYOA template? Where do we find interactive fiction, how do we get started if we want to write it, and what does it offer to the writer and player/reader that differs from linear storytelling? Panellists will discuss the basics of interactive fiction and where they see it going from here.
Rebecca Slitt (M), *Jason Stevan Hill*, *Leah Bobet*, *Natalia Theodoridou*

10:00 **Writing past our literary blind spots**
5057 Panel 50 minutes CCD: Wicklow Room-1
A writer's subconscious, experiences, and social influences can conspire to cause trouble during the creation process. It's possible to catch some issues such as lifeless tropes, cultural faux pas, and stereotypes, but it's impossible to catch them all. Our panellists share tips on how to see through our literary blind spots – as well as how to thoughtfully point them out in the work of others during the editing and critique process.
R.W.W. Greene (M), *Tanya DePass*, *Michelle Sagara*, *Shaoyan Hu*, *John R. Douglas*

10:00 **Writing screenplays**
5075 Panel 50 minutes CCD: Liffey Room-1
Everyone's a film critic at heart. Great stories don't always make great movies. So what does it take to write a good script? What are some of the key elements? What are some great examples of science fiction, fantasy, and horror films that got it right? Our screenwriters share their tips and tricks of the trade.
Dr Douglas Van Belle (M), *Zaza Koshkadze*, *Stephanie Katz*, *Mark Stay*

10:00 **WSFS Business Meeting: Site Selection**
5087 Meeting 170 minutes Point Square: Stratocaster A
Joining Dublin 2019 made you a member of the World Science Fiction Society, the organisation that has sponsored Worldcons since 1939. WSFS holds its business meeting annually at the Worldcon, making the rules that govern Worldcons and the Hugo Awards. Every attending member of Dublin 2019 is welcome to attend the meeting, participate in debates, and vote. The results of the 2021 Worldcon Site Selection will be announced at the start of today's meeting, followed by a presentation by the winning Worldcon and Question Time for the 2020 Worldcon and bids for the 2022 Worldcon. Following that we expect to recess for the traditional Worldcon Chairs Photo Session. Following the Photo Session, it is possible that the meeting will reconvene to continue debate on proposals not disposed of at the first Main Meeting.

10:00 **Concert: Sam Watts**
5072 Concert 30 minutes CCD: Wicklow Hall 2A
Sam Watts (*Planet Earth*, *The Sarah Jane Adventures*, *Wizards vs Aliens*) will perform solo piano arrangements of television soundtracks he has composed, as well as pieces from his recent albums and a Worldcon exclusive debut of music from his upcoming release.
Sam Watts

10:00 **Autographs: Sunday at 10:00**
5036 Autographing 50 minutes CCD: Level 4 Foyer
Victoria Lee, *Laura Anne Gilman*, *William Ledbetter*, *James Patrick Kelly*, *Jeremy Szal*, *Heather Rose Jones*

10:00 **Kaffeeklatsch: Christine Taylor-Butler**
5039 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Christine Taylor-Butler

10:00 **Reading: Lex Beckett**
5078 Reading 20 minutes CCD: Liffey Room-3
Lex Beckett

10:00 **Kaffeeklatsch: Benjamin C. Kinney**
5042 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Benjamin C. Kinney

10:00 **Kaffeeklatsch: David Demchuk**
5045 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
David Demchuk

10:00 **Kaffeeklatsch: Eva L. Elasigue**
5048 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Eva L. Elasigue

10:00 **Kaffeeklatsch: Devin Madson**
5051 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Devin Madson

10:30 **The author as a fellow traveller on the hero's journey**
5108 Panel 50 minutes Point Square: Odeon 4
Many authors, unsurprisingly, form a strong emotional bond with their characters, experiencing the joys and frustrations of the story along with them. How does this affect the writing process itself? What about the impact on the writer's critical engagement with their own work? How much does an author's engagement depend on their personality, their approach, or the type of story being written?
Dr Kristina Perez (M), *Michael Swanwick*, *Karen Simpson Nikakis*, *Naomi Kritzer*, *Daryl Gregory*

10:30 **Monster mash: retellings of classic monster stories**
5105 Panel 50 minutes Point Square: Odeon 5
Dracula, Frankenstein, Jekyll and Hyde: one definition of a classic monster might be that its story can be retold innumerable times, in new contexts and by new writers. What drives an author to take on the classics? And what separates a great reimagining from the merely good (or the not-so-good)?
Dr Theodora Goss (M), *Naomi Libicki*, *Eliza Chan*, *Angus Watson*

10:30 **Choosing and demystifying sewing patterns**
5102 Panel 50 minutes Point Square: Alhambra
How do you know which is the best pattern for what you want to make? What do all those weird symbols mean? Why are they important? Experienced sewers will help you understand, analyse, and decode commercial patterns. Differences between European and American patterns will also be addressed.
Christine A Doyle MD (M), *Karen McWilliams*, *Lauren Carroll*

10:30 **Public or private sector space flights**
5120 Panel 50 minutes Point Square: Odeon 1
The era of commercial space flight is here, with the cost to launch a rocket just a fraction of NASA's. Many other countries still have national space programmes and China announced its intention to build a base at the lunar south pole. What's the role of commercial flights alongside these? Will our return to the Moon be driven by a combination of commercial and national programmes?
Jim Doty PhD (M), *Jeanette Epps*, *Eric Choi*, *Geoffrey A. Landis*

10:30 ***Troll Bridge* screening**
5111 Media 50 minutes Point Square: Odeon 3
It's the fight of the century: Cohen the Barbarian vs bridge troll! A screening of the short film, *Troll Bridge*, based on the short story of the same name by Terry Pratchett. This will be followed by showings of other shorts by Snowgum Films.

10:30 **We love Image Comics!**
5114 Panel 50 minutes Point Square: Odeon 2
Outside the 'big two', Image Comics is the most successful publisher in the USA and arguably has the most diverse range of titles. Once focused on superhero and fantasy titles, Image now has a policy of promoting creator-owned works – with popular titles including *Saga*, *The Walking Dead*, *Monstress*, and *The Wicked + The Divine*. Our panellists discuss their own projects and work with Image.
Derek Kunsken (M), *Afua Richardson*, *Sana Takeda*, *Mr Declan Shalvey*, *Kieron Gillen*

10:30 **AI**
5117 Academic 50 minutes Point Square: Odeon 6
(Academic)
1. Prof Dave Lewis – 'No Datafication Without Representation!'2. Prof David Powers – 'AI, Talking Robots/Ships, Brain Control Interface'3. Jo Lindsay Walton – 'Project Cybersyn'

10:30 **Concert: Another Castle**
5096 Concert 50 minutes Point Square: Warehouse 2
- Performance space
Another Castle is the geekiest women's choir in Helsinki, Finland. With the help of some Nordic magics we summon geeky melodies from movies, TV series, and games. Let us take you on a wondrous musical journey through all your favourite fantasy worlds.
Rosana de Oliveira Sorva, *Heli Jaakkola*, *Riikka Juntunen*, *Katja Kuitunen*, *Anna Lantee*, *Sanni Leksis*, *Anna-Maria Malm*, *Annemarie Müller*, *Susanna Muukka*, *Ulla Niini*, *Säde Norja*, *Wiebke Pandikow*, *Lotta Raatikainen*, *Anna Rajainmaa*, *Tiina Repo*, *Tiina Torp*, *Eeva Rita-KasariElina Saario*, *Satu Sahlstedt*, *Milla Suomalainen*, *Ilse Tuohimaa*, *Jemina Valkama*, *Miina Hagerlund*, *Iitu Hagerlund*, *Ellen Hiittenkivi*, *Anna Maritta Aurora Novius*, *Pia Vanhala*, *Bookbindress Mari Vehkaluoto*

10:30 **Autographs: Robert Silverberg**
5099 Autographing 50 minutes Point Square: Mezzanine
Robert Silverberg

10:30 **Reading: Libia Brenda**
5093 Reading 20 minutes CCD: Liffey Room-3
Libia Brenda

11:00 ***Orville* vs *Discovery***
5177 Panel 50 minutes CCD: Liffey Room-2
One is seen as the next version of True Trek. The other is canonical Trek, by definition, since it has the imprimatur of being a Trek production. Fans usually love one or the other, but rarely both. We delve into the mystery of what sets the two apart and whether it is possible to love them both.
Gillian Clinton, *Lise Andreasen*, *Prof. Kenneth Schneyer*, *Kelvin Jackson*, *Anna Stephens*

11:00 **The shapes in water: aquatic myths and monsters**
5162 Panel 50 minutes CCD: Wicklow Room-3
From selkies to umibozo, sirens to marids, water in myth and fantasy has long been a location for strangeness and fluidity. Why are watery fantasies so potent, and so common? And how have different cultures embodied this tendency?
Mari Ness (M), *Umiyuri Katsuyama*, *Lora O'Brien*

11:00 **How science and ordinary people can change the future**
5171 Panel 50 minutes CCD: Liffey Room-1
We are doctors, bakers, ship captains, actors, taxi drivers, rabbis, and more. We are ordinary people in ordinary walks of life, and the future is in our hands. How do we play our part in changing the future? How can science help us to navigate the path? And how do we know what course to set? Even if we can change the future, should we? And what gives us the right to make that choice for others?
Rich Lynch (M), *Bo Balder*, *Gerald M. Kilby*, *Klaus Æ. Mogensen*

11:00 **The lack of technological progress in fantasy**
5153 Panel 50 minutes CCD: ECOCEM Room
From the cotton gin to the printing press, technology doesn't seem to advance in many fantasy worlds – despite hundreds of years of history in which an industrial revolution could happen. Why doesn't it? Does magic replace the need for technology? What about the growth of magic-powered technology within a fantasy world? What does it take to get a little scientific progress?
Renee Sieber (M), *Juliet E McKenna*, *J.S. Meresmaa*, *Ian R MacLeod*

11:00 **Human reproduction and childbirth in SFF**
5156 Panel 50 minutes CCD: Wicklow Room-1
Authors of SFF have often explored the political, social, biological, and technological consequences of pregnancy and reproduction. In the last century, developments in assisted reproduction and childbirth have changed the boundaries of the possible. The panel will consider the ways in which SFF depicts human reproduction and childbirth, from high tech futures to medieval fantasies.
D Franklin (M), *Anne Charnock*, *Beth Meacham*, *A.J. Hackwith*, *Jeannette Ng*

11:00 **GoHs and the books that influenced them**
5180 Panel 80 minutes CCD: Liffey-B (Second Stage)
Join many of our Guests of Honour for a discussion about the books that have most influenced them.
Marianna "Kisu" Leikomaa (M), *Bill Burns*, *Mary Burns*, *Diane Duane*, *Steve Jackson*, *Ginjer Buchanan*, *Ian McDonald*

11:00 **Na Scéalta Fantaisíochta is Fearr ar Fáil i nGaeilge**
5159 Panel 50 minutes CCD: Wicklow Room-2
Le arrachtaí agus draoithe, aos sí agus na Fianna, tá saibhreas fantaisíochta do-chreidthe láidir againn in Éireann. Beidh an painéal ag plé le na seanscéalta sin agus ag fáil amach an an bhfuil an traidisiún fós beo. (The best fantasy stories available in Irish. With monsters and wizards, fairies, and the Fianna, there is an incredibly strong wealth of fantasy here in Ireland. The panel will look at the old tales and find out if the tradition is still a living one.)
Ms Michelle NicPhaidin (M), *Paul Walsh*, *Cathriona Tobin*, *Mr Paddy Finn*

11:00 **Fantasy: beyond Europe**
5123 Panel 50 minutes CCD: Liffey Hall-2
Increasingly, fantasy literature that reflects a world outside the 'traditional' Western European-based mould is being published, promoted, and celebrated. How does fantasy include different cultures and narratives? Who gets to tell these stories? How does it change our tropes and types? And what will the future of fantasy bring?
Nicole Givens Kurtz (M), *Zen Cho*, *Fonda Lee*, *Tasha Suri*, *Arthur Maia*

11:00 **Dark fantasy for children**
5168 Panel 50 minutes CCD: Wicklow Hall 2A
How dark is too dark when it comes to dark fantasy and horror for young readers? Is there an invisible line in the sand? And what stories actually fall into this category: *Alice in Wonderland*, *Coraline*, *Charlie and the Chocolate Factory*, *Goosebumps*, *A Monster Calls*, *The Wizards of Once*? And why are kids drawn to these stories that make them jump at every bump in the night?
Gili Bar-Hillel (M), *Magdalena Hai*, *Dave Rudden*, *Holly Black*

11:00 **Social media: marketing tips and tools**
5129 Panel 50 minutes CCD: Wicklow Hall-1
Social media has become a way of life for many people in the 21st century, and it can be a tricky business. With quick and easy access to current fans as well as to new potential readers, how can an author or creator use social media to further their career? Our social media experts share savvy marketing tips, as well as pitfalls to avoid, when using their social networks.
Brenda Noiseux (M), *Stevie Finegan*, *Lydia Gittins*, *Pablo Defendini*

11:00 **Roleplaying game for kids**
5183 Children's Programme 120 minutes Spencer Hotel: Columba 1
Roleplaying games are so much fun. If you've heard about them and always wanted to try one, we've just the game for you. *Golden Sky Stories* is a heartwarming, non-violent roleplaying game from Japan, by Ryo Kamiya. In this game, players take on the roles of henge: animals that have just a little bit of magical power, including the ability to temporarily take on human form. A great introductory game for young players.
Prof David Farnell

11:00 **Musical influences: emotions, health, and memory**
5165 Panel 50 minutes CCD: Wicklow Room-4
Music has a powerful effect on our emotions – and creators of film, games, and television take full advantage of this route to our subconscious. How do creators set the mood, does our own cultural baggage help or hinder this process, and in a medical setting can music be used to alter our moods and strengthen memories?
Jennifer Mace, *Joao Goncalves*, *Su J. Sokol*, *Gabrielle de Cuir*

11:00 **Octocon presents: The Monster's Perspective**
5126 Panel 50 minutes CCD: Wicklow Hall 2B
Often fiction is an exploration of the human condition as written from the perspective of the monster, the outsider, the other – the one who is different and so questions things that we might have taken for granted. But who defines who is the monster? Regular Octocon guests and previous Guests of Honour revisit a discussion from Octocon 2018.
Janet O'Sullivan (M), *Peter Morwood*, *Mrs Emma Newman*, *Pat Cadigan*, *Oisin McGann*

11:00 **Make your Mini Masquerade costume**
5186 Children's Programme 300 minutes Spencer Hotel: Columba 1
We'll spend the day getting ready for the Mini Masquerade. Volunteers will be on hand to help with costume design and character creation. You can make dragon wings, fairy wings, superhero masks, and T-shirt designs too.
Sal Roche

11:00 **Make your Mini Masquerade costume: hair braiding**
5189 Children's Programme 50 minutes Spencer Hotel: Columba 1
There are many different ways to braid hair that are beautiful and ornate. It truly is an art form that's as beautiful to watch being created as it is to wear. Young and old are welcome to have their hair braided by John Wardale, whether you're in costume for the Mini Masquerade or not.
John Wardale

11:00 **Make your Mini Masquerade costume: hat design**
5192 Children's Programme 50 minutes Spencer Hotel: Columba 1
Hats, helmets, fascinators, and bows: our hat designer is here to help with your design or to give you some ideas.
Sara Felix

11:00 **Reading: Peadar Ó Guilín**
5174 Reading 20 minutes CCD: Liffey Room-3
Peadar Ó Guilín

11:00 **Autographs: Sunday at 11:00**
5132 Autographing 50 minutes CCD: Level 4 Foyer
Kate Elliott, *Yasser Bahjatt*, *Sazib Bhuiyan*, *Tanya DePass*, *John Connolly*, *Kate Heartfield*

11:00 **Kaffeeklatsch: Darcie Little Badger**
5135 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Darcie Little Badger

11:00 **Kaffeeklatsch: Marie Brennan**
5138 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Marie Brennan

11:00 **Kaffeeklatsch: P C Hodgell**
5141 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
P C Hodgell

11:00 **Kaffeeklatsch: Ellen Klages**
5144 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Ellen Klages

11:00 **Kaffeeklatsch: John Picacio**
5147 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
John Picacio

11:00 **Kaffeeklatsch: George Sandison**
5150 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
George Sandison

11:30 **Logistics of space exploration**
5219 Panel 50 minutes Point Square: Odeon 1
Logistics is about getting what is needed where it is needed when it is needed. How do we explore the solar system and further? What are the basic logistical challenges in going to Mars? How much harder is it to send manned spacecraft to Jupiter? What are the limiting factors and how do we overcome them?
Noelle Ameijenda PhD (M), *Alan Smale*, *Dr Inge Heyer*, *Dr Michele Bannister*

11:30 **3D or not 3D? That is the question**
5204 Panel 50 minutes Point Square: Odeon 5
As 3D becomes easier to create for animation and illustration, we look at how much has changed, the reasons to use it, and the reasons not to.
Lee Moyer (M), *Grace P. Fong*, *Celine Kiernan*

11:30 **DNA testing and its implications**
5210 Panel 50 minutes Point Square: Odeon 3
DNA sequencing and testing has become common technology. It is possible to reverse anonymised data, or to track potential suspects from DNA of relatives, and you can also see assessments of your risk for certain diseases (although those assessments may change as the result of more research). What can be done with DNA testing today, and what are the ethical and moral questions being raised as DNA sequencing becomes more ubiquitous?
Aimee Ogden (M), *Susan Weiner*, *Liz Batty*, *Jani Ylönen MA*

11:30 **Supercharge your writing**
5222 Children's Programme 50 minutes Spencer Hotel: Columba 2
Writing tips for kids aged 9 to 12. What are your favourite stories? Why are they so good? We will uncover the secrets of great storytelling, from character to plot and description to setting. In this session you will learn: The secrets of story. How do you create a really cool story? What can you learn from the best stories ever told?Captivating characters. Who are our favourite characters? Why are they so compelling? Why do we remember them?Amazing descriptions! Learn how to write incredible descriptions of people, places, and things.Sensational settings. Every story is set somewhere; how do you create a setting that really captures the reader? 'Saggy sofa' settings vs 'hard chair' settings.If you're coming to this session please bring a notebook and a pen!
Andrew Chamberlain

11:30 **Keep calm and get the seam ripper**
5201 Panel 50 minutes Point Square: Alhambra
In the halls or on the stage, costuming and cosplay disasters can and do happen – but it doesn't have to be the end of the world. Come and hear stories of costuming disasters and learn ways to recover from them. Some names may be changed to protect the embarrassed…
Sharon B (M), *Jill Eastlake*, *Tiariia Tamminen*

11:30 **Flann O'Brien: the unluckiest man who ever lived**
5207 Panel 50 minutes Point Square: Odeon 4
From his first novel, *At Swim-Two-Birds*, being firebombed in a London warehouse by the Luftwaffe in 1940 to his untimely death at the age of 54 in 1966 from a combination of alcohol, cigarettes, cancer, and a heart attack, Brian O'Nolan – aka Flann O'Brien – never got a break. Yet despite all that he would go on to become an enduring figure in the Irish literary canon.
Jo Lindsay Walton (M), *Pádraig Ó Méalóid*, *Professor Anthony Roche*, *Jenna Maguire*

11:30 **Interview with Charles Vess**
5213 Interview 50 minutes Point Square: Odeon 2
The hugely accomplished artist talks about his life and career in a one-to-one interview with William Simpson. Charles Vess is an award-winning illustrator and a finalist for the Hugo Award for Best Artist. From his work on *Sandman* with Neil Gaiman and his covers for Charles de Lint to the beautifully illustrated volume of Ursula K. Le Guin's *The Books of Earthsea*, Charles's art spans not only book covers but comics as well.
Charles Vess, *William Simpson*

11:30 **Different visions of Ireland**
5216 Academic 50 minutes Point Square: Odeon 6
(Academic)
1. Dr Andrew M. Butler – '"We are meat, we are potential carcasses": Francis Bacon's *Alien*'2. Dr Richard Howard – 'Comfort Plus Excitement: Bob Shaw and David Hardy'3. Val Nolan – 'Narration and Recurrence in Neil Jordan's *Shade*'

11:30 **Concert: Death Ingloria (Galina Rin)**
5198 Concert 20 minutes Point Square: Warehouse 2
- Performance space
Death Ingloria: rock music, comic art, and animation. Death Ingloria explores humanity's depths, its heights, and its inevitable conclusions through rock music, comic art and animation.Death Ingloria's debut album *The Wolf Onboard* is a complete science fiction story told across seven songs, a seven page comic book, and seven animated videos which play out during Death Ingloria's performances. The comic is the narration of the story, the songs the voices of the characters. Each of Death Ingloria's albums are complete sci-fi stories accompanied by an animated comic. At the end of each album, humanity finds inglorious ways to be completely wiped out.
Galina Rin

11:30 **Reading: Roz Kaveney**
5195 Reading 20 minutes CCD: Liffey Room-3
Roz Kaveney

12:00 **Lost in translation: dubs vs subs**
5276 Panel 50 minutes CCD: Liffey Room-1
Dubbed vs subbed is an age-old debate, especially among anime fans. Both undoubtably have their own advantages and disadvantages. Unfortunately, sometimes nuances end up getting lost in the process of translating dialogue from one language to another. How do translators (and the fans) deal with this? Is substituting a word for a different one the better option, or is it better to leave translation notes to explain lost meanings?
Kat Kourbeti (M), *Dakkar*, *Kate Larking*, *Simone Heller*, *Elliot Craggs*

12:00 **The human cost of time travel**
5255 Panel 50 minutes CCD: ECOCEM Room
Time travel is a popular and well-explored element in science fiction, but there is more to time travel than science. The cool timey-wimey tech may broaden a story's scope beyond the here and now, but there is always a price to pay. What is the mental, physical, emotional, and social impact on people in time travel stories? Is the gain worth the price?
D.B. Jackson (M), *Edmond Barrett*, *Brenda Clough*, *Eliza Bentley*

12:00 **Fantasies of Irish emigration**
5261 Panel 50 minutes CCD: Wicklow Room-2
Urban fantasy abounds with characters from Irish mythology and folklore, but most of these stories are set in London or America rather than Ireland itself. The panel will examine the influence of Irish culture on urban fantasy and the abiding popularity of Irish mythology across the diaspora.
Randee Dawn, *CE Murphy*, *Deirdre M Murphy*, *Dyrk Ashton*

12:00 **Irish revolution in speculative fiction, 1875–1945**
5228 Talk 50 minutes CCD: Wicklow Hall 2B
Spanning the time period from when John Holland submitted his first submarine plans to the US Navy in 1875 to the arrest of the Irish writer Francis Stuart by French forces in Germany at the end of the Second World War after broadcasting Nazi propaganda, this talk will discuss the influence of Irish revolution on speculative fiction.
Nick Larter

12:00 **Afrofuturism: where do we go from here?**
5225 Panel 50 minutes CCD: Liffey Hall-2
The success of *Black Panther* has thrust Afrofuturism into the limelight, but what does the future hold for the Afrofuturist movement? Encompassing a wide range of disciplines including art, fashion, literature, music, and politics, Afrofuturism offers a wide scope for expansion and interpretation.
Dr Wanda Kurtçu (M), *Nicole Givens Kurtz*, *Errick Nunnally*, *Cadwell Turnbull*

12:00 **Portrayals of mental health in genre**
5273 Panel 50 minutes CCD: Wicklow Hall 2A
Content warning: may include discussions of suicide and self-harm, mental illness and ableism, eating disorders. Mental health used well can drive a story, create believable motives for characters and even greater awareness amongst the audience. However, these issues are not always treated sensitively or realistically. This panel will explore examples of mental health issues ingenre fiction and consider their implications and accuracy.
Alasdair Stuart (M), *Penny Jones*, *Dr Glyn Morgan*, *Devin Madson*

12:00 **The politics of horror**
5258 Panel 50 minutes CCD: Wicklow Room-1
Is horror political? Should it be? How do the metaphors of horror map onto social and political concerns? What creators are using horror to engage with the contemporary political climate right now?
F. Brett Cox (M), *Rosanne Rabinowitz*, *Charles Stross*, *Cristina Alves*

12:00 **What writers need to know: physics and space travel**
5282 Panel 50 minutes CCD: Liffey Room-2
This is the second of a two-part series of panels designed to help authors on science topics. Join our panel of experts who share the ins and outs about physics and space because, in the words of Han Solo, …'travelling through hyperspace ain't like dusting crops.' Our panellists will cover writing tips and resources available for ensuring that you get the science right even if you don't have a PhD in astrophysics.
Brother Guy Consolmagno (M), *Mr Joe Haldeman*, *Cliona Shakespeare*, *Marc Stiegler*

12:00 **Writing weapons workshop**
5270 Workshop 80 minutes CCD: Wicklow Room-5
Writing combat scenes can be tricky when you're unfamiliar with the ins and outs of medieval weaponry. So come and consult the experts: a fighter and a writer working together to teach you how to write – and handle – weapons.
Aidan Barron, *Christian (Miles) Cameron*

12:00 **The importance of the fanfiction community**
5231 Panel 50 minutes CCD: Wicklow Hall-1
As we can see from the Archive of Our Own – managed and maintained by its creators and readers and supporters – fanfiction isn't just about the written works, but also about the community surrounding them. What can the fanfiction community offer that other areas of fandom can't?
Juliet Kemp (M), *Liekinloimu*, *Katherine Jay*, *Aaron Feldman*, *Georgina Kamsika*

12:00 **Vampires in Society**
5267 Paper 50 minutes CCD: Wicklow Room-4
Kathleen Hunt, Vampires in SocietyBram Stoker was an Irish author, most famous for writing about the undying influence of dangerous "others" in English society, whom he personified as vampires infecting upstanding citizens. Dracula served as a metaphor for Stoker's syphilis infection, slowly driving him mad, as well as a comment on the way that many Irish people viewed the English interlopers as "killing from within." What was it that gave Stoker's novel, a long and involved semi-travelogue of a horror story, more archetypal staying power than previous vampire stories in the UK, such as Polidori's The Vampyre, the extremely popular penny-dreadful Varney the Vampire, or even the lush and sensual Carmilla? What does the Dracula story tell us about our fears of "otherness", and how can we become stronger by embracing that which we fear?
Kathleen Hunt

12:00 **Autographs: Sunday at 12:00**
5234 Autographing 50 minutes CCD: Level 4 Foyer
Carrie Vaughn, *Amal El-Mohtar*, *Dr Anna Smith Spark*, *Professor Fiona Moore*, *Gareth Powell*, *Paul Anthony Shortt*

12:00 **Reading: John Scalzi**
5279 Reading 50 minutes CCD: Liffey Room-3
John Scalzi

12:00 **Kaffeeklatsch: Jo Fletcher**
5237 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Jo Fletcher

12:00 **Kaffeeklatsch: John Berlyne**
5240 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
John Berlyne

12:00 **Kaffeeklatsch: E. Lily Yu**
5243 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
E. Lily Yu

12:00 **Kaffeeklatsch: Ian Whates**
5246 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Ian Whates

12:00 **Kaffeeklatsch: Cat Marsters**
5249 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Kate Johnson

12:00 **Kaffeeklatsch: Steven Erikson**
5252 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Steven Erikson

12:00 **Polyamory in theory and practice**
5264 Panel 50 minutes CCD: Wicklow Room-3
Resources abound for how to get started in opening up your relationship, but how do you make polyamory work in the real world? What do you do when your relationship styles seem to clash with those of your partners? How can you set effective boundaries with metamours? In this panel, we'll tackle some of the harder questions that come up when theory meets practice.
Kris "Nchanter" Snyder (M), *Ian Paul Power*, *Mary Anne Mohanraj*, *Rei Rosenquist*

12:15 **Concert: Kerri-Ellen Kelly**
5291 Concert 50 minutes Point Square: Warehouse 2 - Performance space
Kerri-Ellen Kelly is the manager of (and singer in) vocal ensemble Court & Country (which has sung at midwest SF and filk conventions as well as Chicon 7, OVFF, FKO and Confluence). She is also a solo musician in her own right. In addition to singing as a mezzo soprano, she plays or is learning to play multiple instruments including horn, trombone, soprano recorder, bagpipes, baritone ukulele, guitar, violin, and mandolin – at widely varying levels of competency. Her love of both research and early music have caused her to include numerous medieval and renaissance songs in her repertoire, with a particular fondness for bawdy Elizabethan ballads (especially in her historical persona as Lady Margrett Norwoode). However, she also loves more modern music and filk tunes, and writes her own original music. One of her original pieces was the third place winner in the 2017 Iron Filker contest at OVFF. Her name is a tongue twister waiting to happen; feel free to call her Kerri.
Kerri-Ellen Kelly

12:30 **Academics and acolytes: learning in SFF worlds**
5315 Panel 50 minutes Point Square: Odeon 4
Whether they're apprenticed to an assassin, a grunt in basic training, downloading knowledge from an online academy, or learning spells from wizardly professors, characters often need to gain skills and qualifications of some kind. How and when they do this is an important element of worldbuilding and there are endless options. What does it tell us about the Discworld that wizards attend university and witches are apprentices? How does Starfleet Academy differ from the Imperial Academy? From Hogwarts to Brakebills to the Oha Coven, how does magical instruction differ?
Dr. Shaun Duke (M), *Karen Simpson Nikakis*, *Prof. Kenneth Schneyer*, *Ali Baker*

12:30 **How did you get here?**
5309 Panel 50 minutes Point Square: Alhambra
Some artists find their niche early and stick with the same industry their whole life. Others have more… varied CVs. We talk to some artists who've taken a less than direct route to their chosen careers.
Siobhan Murphy (M), *Grace P. Fong*, *Fred Gambino*, *Scott Lefton*

12:30 **Introduction to Irish crochet lace**
5306 Workshop 110 minutes Point Square: Warehouse Art Demo Area
Irish crochet lace was created as a faster way to make lace items that looked similar to expensive Italian/French needle laces. Using ordinary crochet stitches, we'll create an Irish crochet motif that can be used as a brooch or to decorate a piece of clothing.Knowledge of basic crochet stitches is required to successfully participate in this workshop. Sign-ups in advance will be required (limited to 10 people) with a small fee for supplies.
Constanze Hofmann (M)

12:30 **All of biology in 60 minutes or less**
5321 Talk 50 minutes Point Square: Odeon 2
What are the basic rules that govern life? In this presentation, Dr Scheiner will discuss the general principles of living systems and illustrate how they have been followed, or not followed, in a variety of science fiction stories.
Sam Scheiner

12:30 **Introduction to orbital mechanics**
5312 Talk 50 minutes Point Square: Odeon 5
In space battles what happens to bullets? It's unexpected: speed up to slow down, aim low to hit high. To get it right, hard SF authors need extensive knowledge of orbital mechanics. We'll discuss bullets, and how astronauts and satellites are put into orbit. We'll look at computer simulations of orbital mechanics, and manoeuvres needed to get astronauts up and back down in one piece.
Jim Doty PhD

12:30 **A history of deadly fashions**
5318 Talk 50 minutes Point Square: Odeon 3
Lead and arsenic and corsets, oh my! A presentation of some of the amazing and dangerous things that humans did, and exposed themselves to, in the name of fashion and beauty.
Janine Wardale (M)

12:30 **Maeve Clancy: visualising a refugee story**
5327 Presentation 50 minutes Point Square: Odeon 1
Maeve Clancy's artwork for the Worldcon is a story installation outlining the experiences of Rouba and Noura Merzah, recent refugees from Syria who now live in Ireland. Comic strip panels, original drawings, and sculpture are all part of the piece. Maeve and Rouba will be in conversation with an interviewer, discussing the work, Rouba's story, and how it all came together.
Maeve Clancy

12:30 **Exploring Westeros and the Galaxy**
5324 Academic 50 minutes Point Square: Odeon 6
(Academic)
1. Ms Sultana Raza – 'Cosmopolitanism in Fantasy'2. Dr Douglas Van Belle – 'Societal Robustness, SETI and the L Factor in the Drake Equation: Why Self-Destruction is an Unlikely Explanation for the Fermi Paradox'

12:30 **Sunday – Children's Programme lunch break**
5330 Setup 90 minutes Spencer Hotel: Columba 1

12:30 **Autographs: Joe Hill**
5303 Autographing 50 minutes Point Square: Mezzanine
Joe Hill

13:00 **Older characters and older authors**
5372 Panel 50 minutes CCD: Wicklow Room-3
A decade ago, the media would label an author of 50 as 'older'. Today, more writers are beginning their careers in their 60s and 70s. Do these older writers write and champion older characters, or is there still pressure to appeal to a younger demographic with equally young protagonists? What are the advantages and disadvantages of becoming a full-time writer at an older age?
Kari Sperring (M), *Wendy Metcalfe*, *Sam Fleming*, *Faith Hunter*

13:00 **Gods, religion and atheism in the genre**
5336 Panel 50 minutes CCD: Wicklow Hall 2B
Gods and religion are often an integral element of SFF worlds; they offer ways to build conflict and to explore alternative philosophical concepts. How have authors tackled the creation and inclusion of religion in their worldbuilding? Is it possible for atheism to exist in worlds where gods literally walk among the people?
Naomi Kritzer (M), *Derwin Mak*, *Dominic Riemenschneider MA*, *Ehud Maimon*, *Meg MacDonald*

13:00 **The dark side of the Moon: an interview with Ian McDonald**
5333 Interview 50 minutes CCD: Liffey Hall-2
From a terraforming Mars to a near-future India short on water (but flush with AIs), and then back to the libertarian Moon, the work of Ian McDonald spins the threads of society, people, and SF into a tapestry of wonder. Peadar Ó Guilín will examine and unwind the threads, and may or may not enquire into the merits of a good gin.
Peadar Ó Guilín (M), *Ian McDonald*

13:00 **The canon conundrum**
5369 Presentation 50 minutes CCD: Wicklow Room-2
In 2014, in one fell stroke, Walt Disney erased 30 years of Star Wars canon and replaced it with a new canon. But… can they even do that? Who defines what is canon or not? Why does Star Wars have a fixed, regulated canon, while Tolkien's canon evolved with his rewritings, and *Doctor Who* makes do without any whatsoever? In this talk we'll cover the history of canonicity, from Sherlock Holmes to Batman, and talk about why it *matters* to the fandom.
Avner Shahar-Kashtan

13:00 **In memoriam**
5387 Panel 50 minutes CCD: Liffey Room-2
The panel will celebrate the lives and works of SFF authors and editors we have sadly lost in the past year, including: Pat Lupoff, Dave Duncan, Carol Emshwiller, Betty Ballantine, Vonda M. McIntyre, and Gene Wolfe. We will discuss their place in the history of SFF as a whole, as well as their individual contributions to the genre.

13:00 **Wands at the ready! Magical worldbuilding in SFF**
5339 Panel 50 minutes CCD: Wicklow Hall-1
When worldbuilding with magic, is it enough to add magic to our existing social structures, or does some magic alter the way the world works? There are soft magic systems with few rules and hard magic systems with lots of rules; does this affect the ways magic shapes the narrative? Arthur C. Clarke said: 'Magic is just science we don't understand yet.' At what point does magic become science?
Christopher Husberg (M), *Zen Cho*, *Diane Duane*, *Justin Call*

13:00 **Why are so many romantic aliens humanoid?**
5378 Panel 50 minutes CCD: Wicklow Hall 2A
There is a wealth of human/alien romance but, although they might have scales or extra arms, aliens are mostly depicted as humanoids. Are there any romantic aliens with other forms, or does it become too difficult to create a believable attraction? The panel will discuss how the SF romance genre portrays alien life and the possible reasons for those portrayals.
Laurel Anne Hill (M), *Lauren James*, *K.M. Szpara*, *David D. Levine*

13:00 **Game writing and the story**
5375 Panel 50 minutes CCD: Wicklow Room-4
Games have stories, whether complex or simple, and they follow a progressive path from beginning to end. Other than this structure, what does it take to write a story within a game? What are the elements of a game story? Do they differ from how a literary story is constructed? If so, how? And how do you make a game story compelling enough to keep players coming back again and again?
Legendgerry (M), *Cathriona Tobin*, *Ira Alexandre*, *Dr Allen Stroud*, *Conor Kostick*

13:00 **Getting published and staying published**
5363 Panel 50 minutes CCD: ECOCEM Room
You have a two-book deal with a mainstream publisher. Huzzah! But, after those two books, what happens next – not just immediately, but across years? Panellists share their experiences and expectations, offering advice and notes on what they wish they had known.
E. C. Ambrose (M), *Patrick Nielsen Hayden*, *George Sandison*, *Michelle Sagara*, *Rachel Winterbottom*

13:00 **Internet, censorship, control, and influence**
5366 Panel 50 minutes CCD: Wicklow Room-1
Innovations on the internet transformed the ability to have global conversations about politics, but also heightened capacities for censorship and control. Have these affected the internet's original doctrine? Do they provide greater transparency or muddy the water? We'll discuss the evolution of the idea behind censorship and control as applied to the internet in terms of law and modern society.
Rebecca Gomez Farrell (M), *PRK*, *Kelvin Jackson*, *El*

13:00 **Chairs interview Chairs**
5381 Interview 50 minutes CCD: Liffey Room-1
The convention chairs of LoneStarCon 3 (The 71st World Science Fiction Convention), Renovation (The 69th World Science Fiction Convention), and the original Chicon (The 2nd World Science Fiction Convention) talk about the experience of chairing a Worldcon then and now(-ish).
Erle Korshak, *Randall Shepherd*, *Patty Wells*

13:00 **Sunday – Children's Programme lunch break**
5396 Setup 60 minutes Spencer Hotel: Columba 2

13:00 **Autographs: Sunday at 13:00**
5342 Autographing 50 minutes CCD: Level 4 Foyer
Ada Palmer, *Fonda Lee*, *Genevieve Cogman*, *Laura Antoniou*

13:00 **Reading: Sarah Pinsker**
5384 Reading 20 minutes CCD: Liffey Room-3
Sarah Pinsker

13:00 **Kaffeeklatsch: Aliette de Bodard**
5345 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Aliette de Bodard

13:00 **Kaffeeklatsch: Teddy Harvia**
5348 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Teddy Harvia

13:00 **Kaffeeklatsch: Delia Sherman**
5351 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Delia Sherman

13:00 **Kaffeeklatsch: Joshua Bilmes**
5354 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Joshua Bilmes

13:00 **Kaffeeklatsch: Liza Trombi**
5357 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Liza Trombi

13:00 **Kaffeeklatsch: Fulvio Gatti**
5360 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Fulvio Gatti

13:30 **Diverse voices, better science**
5435 Panel 50 minutes Point Square: Odeon 1
Many people regard science as an accurate and neutral view of the world – yet philosophers and historians of science argue that science is not objective. Biases occur in science such as choosing what to research, which data to collect, and how to share that knowledge. Panellists consider how diverse voices can improve science, for example by questioning existing approaches or proposing new ones.
Corry L. Lee Ph.D. (M), *Prof Jocelyn Bell Burnell*, *Darcie Little Badger*, *Dr Stewart Hotston*

13:30 **The art of myth and legend**
5429 Panel 50 minutes Point Square: Odeon 2
Myths and legends have long fascinated and influenced artists, but what's the secret to their eternal appeal?
Oisin McGann (M), *Jim Fitzpatrick*, *Claudia Fusco*, *Ms Sultana Raza*

13:30 **Unashamed BIOS**
5426 Talk 50 minutes Point Square: Odeon 3
'The more fingers you lose, the harder it is to pick them up.' Wise words there from Twitcho, the unicycling knife-juggler. But what does that have to do with the nature of reality, or the reality of nature? Amateurfessor Michael Carroll presents a new and only marginally terrifying way of putting the very fabric of the universe through the economy rinse. *In honour of Bob Shaw's Serious Scientific Talks*.
Michael Carroll

13:30 **Marketing and promotion: the writer's website**
5417 Panel 50 minutes Point Square: Alhambra
When people think about marketing and promotion for creators, it's usually social media that comes to mind. Websites are often overlooked, overly complicated, or out-of-date. This panel isn't about web design, but rather about the things a writer should include on their website, things that are helpful and nice, and things that should just never, ever, be done.
Lydia Gittins (M), *David Demchuk*, *Sara-Jayne Slack*, *Ben Galley*

13:30 **Queering the worldbuilding**
5420 Panel 50 minutes Point Square: Odeon 5
Speculative fiction offers so many opportunities to step outside western constraints of gender and sexuality. From JY Yang's refusal to assign gender or sex at birth in the Tensorate sequence to Ann Leckie's rejection of societal gender in the Ancillary sequence, from Ursula K. Le Guin's Sedoretu to Homestuck's alien romantic structure, how does spec fic queer its worlds? And how else can it stretch to do so?
Jaime Garmendia III (M), *Sarah Gailey*, *Elizabeth Bear*, *Hal Duncan*, *Helen Corcoran*

13:30 **Method acting in space**
5402 Workshop 80 minutes CCD: Wicklow Room-5
This workshop adapts an introductory Stella Adler method acting technique for actors performing in outer space! We'll teach you the basics of how to truthfully live and move in an imaginary setting.
Caryn Liz

13:30 **Get us out of the Twilight Zone: the work of Jordan Peele**
5438 Panel 50 minutes Point Square: Stratocaster BC
With two extraordinary films and a reimagined *Twilight Zone* under his belt, Jordan Peele has made a huge impact as a weird/horror visionary over the last few years. This panel will discuss Peele's work: what it says, how it works, and why it matters.
Chris M. Barkley (M), *Dr Andrew M Butler*, *Dr Wanda Kurtçu*

13:30 **Irish small press comics**
5423 Panel 50 minutes Point Square: Odeon 4
Ireland is full of Indie comics, zines, independent artists and illustrators – but few of their works have made it out of local circulation. If you're local, come and talk about your favourites; and if you're from out of town, come and see what you've been missing out on!
Kevin Weldon (M), *Paul Carroll*, *David Ferguson*, *Rosa Devine*

13:30 **Global perspectives on Chinese science fiction**
5432 Workshop 50 minutes Point Square: Odeon 6 (Academic)
The rise of a new wave in Chinese science fiction has caused a worldwide news sensation and reshaped SF as a new global genre. The politics and poetics of Chinese SF have both been controversial. On the one hand, some observers identified the flourishing of Chinese science fiction as an indicator of China's rise as a new global power. Debates on the nature of Chinese SF, in particular a recent debate on *The Wandering Earth* (2019), a film based on Liu Cixin's short story, have often involved ideological conflicts. On the other hand, critics have also identified in the new wave of Chinese SF a dark and subversive side that speaks either to the 'invisible' dimensions of the reality, or simply the impossibility of representing a certain 'reality' dictated by the discourse of mainstream realism. On its most radical side, the new wave of Chinese SF has been thriving on an avant-garde literary spirit that connects this generation of Chinese writers to earlier authors as well as authors writing outside mainland China, who thought and wrote beyond the conventional ways of perceiving reality, so that they could reform the Chinese mind (re-form China) and fashion new literary modes. The current new wave of Chinese SF has represented a continued effort of this intellectual strength. This roundtable gathers experts in science fiction studies and Chinese literary studies, as well as major writers from China, asking some key questions about the phenomenon of Chinese science fiction: What happens to science fiction as a global genre when Chinese SF becomes one of the new gravitational centers of the genre? What remains invisible, aesthetically, politically, ethically, epistemologically, geographically, when Chinese SF moves into the center stage? What is the Sinophone science fiction? What did some of the new discoveries of the genre's earlier samples in Hong Kong and Singapore say about its cultural dynamics? How do we write a literary history including science fiction?

Organiser and moderator: Mingwei Song (Associate Professor, Wellesley College) Participants: David Der-wei Wang (Edward C. Henderson Professor, Harvard University), Yan Feng (Professor, Fudan University), Zhang Feng (Professor, Peking University, Graduate School in Shenzhen), Regina Kanyu Wang (writer, Storycom), Stanley Qiufan Chen (writer), Emily Xueni Jin (postgraduate, Wellesley College)

Mingwei Song (M), *Regina Kanyu Wang*, *Yuan (Shuang ChiMu) Feng*, *Dr Feng Zhang*, *Stanley Qiufan Chen*, *Emily Xueni Jin*

13:30 **Geek! presented by the Socratic Theatre Collective**
5411 Play 75 minutes CCD: Liffey-B (Second Stage)
It's Dante's Fire Con! Danya and Honey need to fight their way through a steampunk army, devil cats, a psychic wannabe-boyfriend, and the absence of Honey's sister to meet their hero: the one, the only, Samagashi! A love letter to geeks of all stripes, *Geek!* celebrates the power of fandom, conventions, and cosplay to forge connections and bring fantasy to life. This amateur production of *Geek!* is presented by special arrangement with SAMUEL FRENCH LTD, a Concord Theatricals Company.

Liz Bragg (M), *Sarah Kriger*, *Michael Lake*, *Madryn McCabe*, *Jackie Mahoney*, *Amanda O'Halloran*

13:30 **Reading: Ramsey Campbell**
5405 Reading 20 minutes CCD: Liffey Room-3

Ramsey Campbell

14:00 **How national identity is portrayed in SFF**
5477 Panel 50 minutes CCD: ECOCEM Room
Speculative fiction can offer authors a space, removed from reality, to consider questions of national identity. How do nations respond to disasters? Do authors use cultural stereotypes as a shorthand for national identity, and where have these come from? The panel will discuss the ways SFF provides a window into how nations view themselves and others, and what that means in a broader context.

Abigail Nussbaum (M), *Anna Gryaznova LL.M.*, *Dr. Bradford Lyau*

14:00 **Things that SFF writers often get wrong: logistics**
5489 Panel 50 minutes CCD: Wicklow Room-4
That's not how it really works! Organisational planning and logistics often get overlooked or written wrong – whether it's the time needed to hunt and cook an animal in the forest, or to develop the cure for a disease. Timing, availability, and coordination of things often get pushed into a grey area where good logistical planning goes to die. What does it take to get these details right? When the details don't work within the story, how does an author work around them? Our panellists share their own experiences, including what they have got right and wrong along the way.
D.A Lascelles (M), *Ginjer Buchanan*, *Brian Smith*, *Yoon Ha Lee*

14:00 **Satire and the fantastic**
5501 Panel 50 minutes CCD: Liffey Room-2
From Swift's satire of 18th century society in *Gulliver's Travels* to the satirical commentary on bureaucracy in Douglas Adams's *The Hitchhiker's Guide to the Galaxy*, SFF is perfectly placed to lampoon and criticise the politics and society of the 'real' world. How is satire used in modern SFF? Is dystopian fiction inherently satirical? The panel will discuss the links between satire and the speculative.
Heide Goody (M), *Ju Honisch*, *Roger Gregg*, *Juliana Rew*

14:00 **Imagining disabled futures**
5480 Panel 50 minutes CCD: Wicklow Room-1
Speculative fiction has always shaped the conversation about our future. The dearth of solid, accurate depictions of disability, or even hints of disability, in worldbuilding affects how we imagine. How do we build a speculative future for inclusion of disability? How can SFF stop harming disabled readers? How will disability change in a world with constantly evolving technology? There's a whole future out there, and disabled people will be part of it.
Kerry Buchanan (M), *Elsa Sjunneson-Henry*, *Sarah Pinsker*, *Nick Wood*, *Marieke Nijkamp*

14:00 **Born sexy yesterday**
5492 Panel 50 minutes CCD: Wicklow Hall 2A
Too many heterosexual relationships in SFF, especially on screen, are still rooted in stereotype and cliché: conveniently fragile women, toxically entitled men, and pervasive, usually unacknowledged, power imbalances. Which relationships in current popular media buck this trend to provide more thoughtful depictions of love and partnership?
Atlin Merrick (M), *R.W.W. Greene*, *Ciaran Roberts*, *RJ Barker*, *Nikki Ebright*

14:00 **The art of collaboration**
5495 Panel 50 minutes CCD: Liffey Room-1
Collaboration isn't always easy – learning to work with others, even your friends, can be tricky – but it can create some amazing results. Our participants share their experiences, advice, and questions as they reveal the joys and pitfalls of partnered art.
Gerald M. Kilby (M), *Rosanne Rabinowitz*, *Alicia Zaloga*, *Mark Stay*, *J. Sharpe*

14:00 **What agents want**
5483 Panel 50 minutes CCD: Wicklow Room-2
A good agent is hard to find. So what are they looking for? Do they even know? How does an author attract an agent's attention? And how does a person determine if Agent X is the right person for them, or if they are better off looking for someone else or striking out on their own? Our select group of agents share their advice, thoughts, desires, and favourite finds.
Lucienne Diver (M), *John Berlyne*, *Joshua Bilmes*, *Juliet Mushens*

14:00 **Science experiments**
5507 Children's Programme 50 minutes Spencer Hotel: Columba 2
Children's writer and scientist Christine Taylor-Butler shows how to change water density with salt and float eggs, how to float paper clips using surface tension, and how to make a gas and use it – properly!
Christine Taylor-Butler

14:00 **Meet the GoHs: Bill & Mary Burns and Ian McDonald**
5456 Reception 50 minutes Martin's (CCD: Liffey-A)
Join us for an informal gathering with Dublin 2019 Guests of Honour Ian McDonald and Bill & Mary Burns. Their featured programme sessions are this afternoon, and this social interval in between gives you a chance to chat with them about their careers and contributions.
Ian McDonald, *Bill Burns*, *Mary Burns*

14:00 **Shapes of the Mórrígan: representations and reality**
5447 Talk 50 minutes CCD: Wicklow Hall-1
She is a multifaceted being: Irish goddess of battle, prophecy, and magic; but here we meet the Mórrígan as shapeshifter. We see the guises in which she appears to us through the texts – both ancient and modern. We look at the lore around the various animal and human shapes of the Mórrígan, and why it's important to know her reality before we attempt to interact… or represent her ourselves.
Lora O'Brien

14:00 **Eoin Colfer: reading and Q&A**
5441 50 minutes CCD: Liffey Hall-2
Join Eoin Colfer, bestselling author of the Artemis Fowl books and the sixth installment of *The Hitchhiker's Guide to the Galaxy*, for an exclusive sneak peek into his brand new upcoming adult fantasy novel, *Highfire*, followed by a Q&A ranging over his entire work.
Eoin Colfer

14:00 **Autographs: Will Simpson**
5450 Autographing 50 minutes CCD: Level 4 Foyer
William Simpson

14:00 **Autographs: Sunday at 14:00**
5453 Autographing 50 minutes CCD: Level 4 Foyer
Lionel Davoust, *Dr Theodora Goss*, *J.S. Meresmaa*, *Kim ten Tusscher*, *Rick Wilber*

14:00 **Reading: Joe Haldeman**
5498 Reading 20 minutes CCD: Liffey Room-3
Mr Joe Haldeman

14:00 **Kaffeeklatsch: David D. Levine**
5459 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
David D. Levine

14:00 **Ditch Diggers podcast: live recording**
5444 Podcast 50 minutes CCD: Wicklow Hall 2B
Join the *Ditch Diggers* team of Mur Lafferty and Alasdair Stuart as they record their yearly live RPG where authors travel through the haunted woods of publishing to get to the golden castle of the NYT Bestseller list! On deck for this year's game is popular guest star Ursula Vernon. Promises to be asinine and include dice.
Mur Lafferty (M), *Alasdair Stuart* (M), *Ursula Vernon*

14:00 **Kaffeeklatsch: Kate Baker**
5462 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Kate Baker

14:00 **Kaffeeklatsch: Neil Clarke**
5465 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Neil Clarke

14:00 **Kaffeeklatsch: A. T. Greenblatt**
5468 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
A. T. Greenblatt

14:00 **Kaffeeklatsch: Julie C. Day**
5471 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Julie C. Day

14:00 **Kaffeeklatsch: Michi Trota**
5474 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Michi Trota

14:30 **The Jetsons was my gateway SF**
5531 Talk 50 minutes Point Square: Odeon 2
How science fiction helped me to appreciate real science, learn to face challenges, and become an advocate for women in STEM.
Anne-Marie Flaherty

14:30 **Perry Rhodan: world's greatest SF series**
5528 Talk 50 minutes Point Square: Odeon 3
Perry Rhodan, a German SF series, has been published weekly since 1961. The series spans more than 3,000 episodes, making it the longest continuous story since writing began. More than 2 billion copies of Perry Rhodan stories have been sold worldwide. Robert Corvus will present the Perry Rhodan phenomenon and introduce a universe full of alien races, artificial life, cosmic powers, mutants – and more!
Robert Corvus

14:30 **Unanticipated benefits of space programmes**
5519 Panel 50 minutes Point Square: Alhambra
Which everyday technologies were developed for space programmes? Much of our tech wasn't invented for the mass market; it was designed for specific needs in space programmes, then later saw extensive use elsewhere. What do we use every day that comes from space programmes? Everybody knows about Teflon; how many know that memory foam was invented by NASA? What other technology can we thank space programmes for?
Dr. JA Grier (M), *Eric Choi*, *Dr Inge Heyer*, *Dr David Stephenson*

14:30 **Costume as narrative shorthand**
5525 Panel 50 minutes Point Square: Odeon 4
Good costume design is worth a thousand words. After stepping on screen or stage, but before uttering one word, a lot can be communicated about a character. A costume can express social status, education, profession, and background. From colour coding in *Elizabeth* to embroidery in *Game of Thrones* to standardisation of Kabuki costume, come and explore the power of costume design.
Michael Cassutt (M), *Karen McWilliams*, *Deanna Sjolander*

14:30 **Octocon presents: The Golden Blasters**
5537 Awards 110 minutes Point Square: Odeon 1
Octocon is proud to co-host this year's Golden Blasters with Dublin 2019. Now in their tenth year, the Blasters are dedicated specifically to the art of the short film and screenplay in the genres of science fiction, horror, and fantasy. Please join us as we show you the finalists for this year's awards – the winners of which will be decided not only by ourpanel of judges but also by you, with the coveted Silver Blaster audience award. So be sure to come along and help decide which film will take home this year's Blaster.
The John Vaughan

14:30 **To the edge of the Sun: the Parker Solar Probe**
5540 Talk 50 minutes Point Square: Stratocaster BC
From *Golden Apples of the Sun* to *Sundiver*, SF has examined missions to the Sun. Now NASA's Parker Solar Probe has turned SF into reality – travelling faster, making the closest approach to the Sun, and facing heat and radiation more intense than any spacecraft before. How do you design a spacecraft to survive the intense environment near the Sun? How do you power it? What are we trying to learn?
Geoffrey A. Landis

14:30 **Crediting the Illustrator**
5522 Panel 50 minutes Point Square: Odeon 5
All too often, only the writer is credited in the media for an illustrated book. The world of comics offers a bit more balance, but how often does an artist's name get mentioned when a book cover they illustrated is displayed? Can projects like the British campaign Pictures Mean Business help get illustrators recognised for their work? At what point of the publication process are things going wrong and how can we fix it?
Lee Moyer (M), *Kaja Foglio*, *Rob Carlos*, *Ms. Nicole Kimberling*

14:30 **Le Guin and Cadigan**
5534 Academic 50 minutes Point Square: Odeon 6 (Academic)
1. Prof David Farnell – 'Artificial Bodies in Sarah Maria Griffin'2. Mason A. Porter – 'Punctuating Literature with Time-Series Analysis'3. Amanda Pavani Fernandes – 'The Mediated Ideologies in *Synners* by Pat Cadigan'

14:30 **Autographs: Jeanette Epps**
5516 Autographing 80 minutes Point Square: Mezzanine
Jeanette Epps

14:30 **Reading: Rachel Hartman**
5510 Reading 20 minutes CCD: Liffey Room-3
Rachel Hartman

15:00 **How pop culture portrays genius**
5573 Panel 50 minutes CCD: Wicklow Room-1
Why are so many scientist characters in popular literature and media a 'doctor of science', who can do anything in any speciality? Why does pop culture still use 'I have multiple PhDs!' as a mark of intellect, when to real scientists it indicates a dilettante? Why are so many geniuses evil? The panel will discuss how pop culture portrays genius vs the real thing and why tropes surrounding genius are still so strong in the genre.
David DeGraff (M), *Robert V. S. Redick*, *Gavia Baker-Whitelaw*, *Dana L. Little*

15:00 **Translators and their work**
5576 Panel 50 minutes CCD: Wicklow Room-2
Professional SFF translators discuss the nuances of their work, from working with authors and publishers to the process of translating SFF made-up terms or putting across cultural norms in a different language.
Julie Novakova (M), *Claudia Rapp PhD*, *Yasser Bahjatt*, *Alexander Hong*

15:00 **The importance of kindness**
5546 Panel 50 minutes CCD: Wicklow Hall 2B
In *The Left Hand of Darkness*, Ursula K. Le Guin wrote: 'It is a terrible thing, this kindness that human beings do not lose. Terrible because when we are finally naked inthe dark and cold, it is all we have.' Among others, Katherine Addison's *The Goblin Emperor* and Tillie Walden's *On a Sunbeam* explore the concept of kindness in action. Are there specific challenges to writing kindness in the modern world?
Vanessa Rose Phin (M), *Corinne Duyvis*, *Geoff Ryman*, *Claire Light*

15:00 **Trans-Atlantic fans for life: GoH interview with Bill and Mary Burns**
5570 Interview 50 minutes CCD: ECOCEM Room
They're always busy helping fandom on this side of the Pond or the other. Come and celebrate Worldcon Guests of Honour Bill and Mary Burns, and learn more about their many adventures and contributions over decades of fan activity.
Geri Sullivan (M), *Bill Burns*, *Mary Burns*

15:00 **What has art ever done for science?**
5594 Panel 50 minutes CCD: Liffey Room-3
From the creation of anatomical models to the visualisation of other planets, how has art contributed to our understanding of science?
Ariela Housman (M), *Dr Tiffani Angus*, *Dr. Estelle Blanquet*, *Dominic Riemenschneider MA*

15:00 **An army marches on its stomach, an empire on its gold**
5549 Panel 50 minutes CCD: Wicklow Hall-1
We often see armies marching across the world without needing feeding, or empires that appear to have no trading relationships with their counterparts – but real world dramas have turned on a lack of purple dye or an army who disbanded to harvest their crops. The panel will discuss how economics and societal structures can influence stories, and how the use of believable social worldbuilding can enhance fantasy or science fictional settings.
Dr Stewart Hotston (M), *Jesper Stage*, *Kelly Robson*, *Anna Stephens*

15:00 **Asians' meetup**
5585 Meetup 50 minutes CCD: Wicklow Room-5
Whether you reside in Asia or are part of the diaspora, come along and meet other Asian members of the Worldcon! All self-identified Asian fans are invited to attend this meetup to mix, mingle, and get to know each other.
Zen Cho (M)

15:00 **The audio acting bug**
5582 Panel 50 minutes CCD: Wicklow Room-4
SFF theatre isn't the only place to get bitten by the acting bug. From radio plays to podcasts and audiobooks, there are many new opportunities for audio performers. But how do performers find these opportunities? What does it take to pull off a believable character with only your voice? How do actors prepare for their roles? What types of material are we seeing within the audio industry, and where does SFF fit into evolving audio entertainment?
Mrs Emma Newman (M), *R B Watkinson*, *James Patrick Kelly*, *Gabrielle de Cuir*

15:00 **So you want to be an indie game developer?**
5588 Panel 50 minutes CCD: Wicklow Hall 2A
The indie scene is thriving, in Ireland and further afield. On the face of it, it looks like an easier route into game development than many others – but what's it like in reality? How do you begin, and what should you consider when getting involved?
Cathriona Tobin (M), *Brenda Noiseux*, *David Towsey*

15:00 **Creating healthy fannish communities**
5579 Panel 50 minutes CCD: Wicklow Room-3
Gatekeeping and other toxic behaviours are easy to slip into and unfortunately have become entrenched in some fan communities. What can we do to combat these and, more importantly, prevent them from becoming dominant in the first place? Our panellists will strategise ways to keep these behaviours from taking root, so that we can have the positive, accepting, and diverse fan cultures that we deserve.
Meg Frank (M), *Elio García Jr.*, *Bruno Puelles*, *Michi Trota*

15:00 **Independent authors and book covers**
5543 Talk 50 minutes CCD: Liffey Hall-2
Standing out in the crowd is always a challenge, even for conventionally-published novels, in a busy marketplace. It's even more of a challenge for an independent author attempting to present competitively and professionally in a field where readers decide to purchase your book (or not) based on a scrap of imagery usually no bigger than a postage stamp.Diane Duane discusses the challenges of adapting novel-cover design to leverage current trends, including examples of hardware/software pairings that have proven useful in creating new, fresh-looking covers on the fly.
Diane Duane, *Peter Morwood*

15:00 **Gaming with Steve Jackson – Sunday**
5597 Game 120 minutes CCD: Liffey Hall 1 (Gaming)
Come and play tabletop games with game designer and Guest of Honour Steve Jackson. While everyone is welcome to play games in the Gaming Hall throughout the convention, these sessions guarantee that Steve will be in the room and ready to play!
Steve Jackson

15:00 **Sunday feedback session**
5591 Panel 50 minutes CCD: Liffey Room-1
What's going well? What's not going well? Come and share your positive and negative feedback with the convention organisers so that we can address concerns (where possible) and pass along the compliments to our hard-working staff and volunteers!

15:00 **Concert: Irish Video Game Orchestra**
5609 Concert 60 minutes Point Square: Warehouse 2 - Performance space
The Irish Video Game Orchestra are a team of forward-thinking musicians who merge modern music with classical composition to create new and exciting renditions of scores from video games, anime, film, and TV. They have played in concerts across Ireland and have entertained audiences of all ages with their dynamic mix of music which includes classical, Japanese, and traditional Irish influences.
Ms Molly Campbell, *Lisa McCrissican*, *Merryn Davies-Deacon*, *Mr Adam Humphreys*, *Sorcha Carlin*, *Nicholas McCann*, *Robert Martin*, *Keith Milligan*, *Miss Holly Huddleston*, *Shereen Perera*, *Mr Anthony McKee*

15:00 **Autographs: Sunday at 15:00**
5552 Autographing 50 minutes CCD: Level 4 Foyer
Rebecca Gomez Farrell, *Pat Cadigan*, *Derwin Mak*, *RJ Barker*, *Kathryn Sullivan*, *Rebecca Roanhorse*

15:00 **Reading: Scott Lynch**
5600 Reading 20 minutes CCD: Liffey Room-2
Scott Lynch

15:00 **Kaffeeklatsch: Adrian Tchaikovsky**
5555 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Adrian Tchaikovsky

15:00 **Kaffeeklatsch: Becky Chambers**
5558 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Becky Chambers

15:00 **Kaffeeklatsch: Libia Brenda**
5561 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Libia Brenda

15:00 **Kaffeeklatsch: Marcus Gipps**
5564 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Marcus Gipps

15:00 **Kaffeeklatsch: Taiyo Fujii**
5567 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Taiyo Fujii

15:30 **Isekai – the otherworld**
5624 Panel 50 minutes Point Square: Odeon 4
From falling into a rabbit hole to being reborn as a slime monster into a different world, isekai (literally 'different world') is a setting that has been around for a while. Currently this setting has gained a lot of popularity in light novels which, in turn, has spawned more anime and manga adaptations with the same setting. What caused its sudden surge in popularity? What is it about throwing normal, everyday characters into a different world that has us hooked on following their journey in these strange new lands?
Legendgerry (M), *Lauren Carroll*, *Todd Allis*, *Lauren Schiller*

15:30 **Bronze and copper clay workshop**
5615 Workshop 170 minutes Point Square: Warehouse Art Demo Area
Make real metal jewellery in bronze and copper using amazing metal clay. Mould, texture, cut, and manipulate the 'clay' to create original pieces you can use to make buttons, keyrings, earrings, brooches, pendants, and more. Sign-ups in advance will be required for this workshop (limited to 30 people) and there will be a fee for materials. Not suitable for young children.
Helen Foster-Turner

15:30 **Intelligent others in SF**
5636 Panel 50 minutes Point Square: Stratocaster BC
The outsiders. Inhuman intelligences. What are they and what do they signify? Let's explore the concept of aliens, mutants, cyborgs, artificial intelligences, and other cases in which sentience is different to our own. How difficult is it to write from the perspective of a nonhuman sentience? Will we inevitably insert some humanity into our inhuman creations – and what does that make them?
Mika Koverola (M), *Russell Blackford*, *RB Kelly*, *Benjamin C. Kinney*

15:30 **Latest results from asteroid missions**
5630 Panel 50 minutes Point Square: Odeon 2
Asteroids are among the next frontiers. What lies in store for us with these floating chunks of potential in space? What missions have been launched? What data have we gathered? And who owns the material and information discovered? Let's take a look at what we know and what future missions might reveal.
John Coxon (M), *Brother Guy Consolmagno*, *Bill Higgins*, *Dr Michele Bannister*

15:30 **Children's singalong / filking session**
5639 Children's Programme 30 minutes Spencer Hotel: Columba 2
Filking is a big part of fandom, so of course we want to do a session especially for children. Sing along with 'classic' filk songs, along with a variety of other geeky, sciency, and generally fun songs in a fun and light-hearted workshop.
Karl-Johan Norén, *Susan Weiner*

15:30 **Behind the seams of the Masquerade**
5618 Talk 50 minutes Point Square: Alhambra
This is a chance to hear how some of the costumes and props in the Masquerade were made. Contestants are encouraged to wear or bring their costume, to have the chance to talk about the creative process, packing, and travel solutions. Judges and other staff may be available to answer questions and receive feedback. Documentation available for pick-up.
Kevin Roche (M), *Ric Bretschneider*, *Sharon Sbarsky*, *Christine A Doyle MD*, *Wendy Ross Kaufman*

15:30 **Matte paintings in film**
5627 Panel 50 minutes Point Square: Odeon 3
Before digital imagery was able to put pretty much anything on screen, images that were impossible to create as sets were painted on glass. We discuss the original matte paintings, and other wonderfully imaginative, physical special effects, that have been rendered obsolete by modern technology.
Stark Holborn (M), *Gregory Norman Bossert*, *Bridget Duffy-Thorn*, *William Simpson*

15:30 **Fan podcasts**
5621 Panel 50 minutes Point Square: Odeon 5
Podcasts have become a popular way to talk about and hear about our fannish favourites, share the latest theories and plot developments, and find new things to love. Our panellists discuss the challenges and delights of podcasting, and help you find new podcasts to check out.
Heather Rose Jones (M), *Alexandra Rowland*, *Dr. Shaun Duke*, *Jonathan Strahan*, *Jen Zink*

15:30 **Fandom**
5633 Academic 50 minutes Point Square: Odeon 6
(Academic)
1. Paul Mason – 'What Has Fan Studies Got To Do With SF Fandom?'2. Dr Glyn Morgan – 'Rethinking Science Fiction in a Museum Setting'

15:30 **Reading: Elizabeth Bear**
5612 Reading 20 minutes CCD: Liffey Room-2
Elizabeth Bear

16:00 **How to read aloud for performance**
5684 Workshop 50 minutes CCD: Wicklow Room-5
We can all read aloud… but to do your story justice, you want to do it well. Come and learn the techniques and tips that will improve your performance, and your audience will be glad you did! Sign-ups in advance will be required for this workshop (limited to 40 people).
Laura E. Goodin

16:00 **The 'evil' of gaming**
5687 Panel 50 minutes CCD: Wicklow Hall 2A
Since the beginning, certain people have viewed gaming as an immoral pastime. From accusations that *Dungeons & Dragons* promotes Satan worship to the claimed association between first-person shooters and gun violence, gamers have sometimes been branded as 'evil' in mainstream culture. The panellists discuss the concerns, debunking claims and sharing stories of over-the-top reactions to gaming.
Paul Anthony Shortt (M), *Tom Lehmann*, *Laura Antoniou*, *Nick Martell*

16:00 **Why isn't humour taken seriously? Comedy in SFF**
5681 Panel 50 minutes CCD: Wicklow Room-4
Writing humour takes a lot of skill, but it's rarely recognised during awards season. Writers and fans of humorous fiction discuss their favourite funny novels and the status of humorous fiction in SFF.
David D. Levine (M), *Heide Goody*, *Gail Carriger*, *Jay Key*, *Mark Galarrita*

16:00 **The sleeper awakes**
5678 Panel 50 minutes CCD: Wicklow Room-3
You wake up… and the whole world is different. The panellists will discuss the trope of a character waking up from a coma or a long sleep and needing to deal with the complexities of a new world. Why is this such a popular plot? Is it just to simplify exposition, or is there another reason we love it? What are the downsides? Let's explore sleep together.
Julie C. Day (M), *F. D. Lee*, *Dr. Bradford Lyau*, *Leah Bobet*

16:00 **Neurodiversity and extraordinary powers in SFF**
5645 Panel 50 minutes CCD: Wicklow Hall 2B
The inclusion of neurodivergent characters in fiction plays an important role in normalisation, but if the depictions are themselves problematic then they can further harmful stereotypes. The panel will discuss representation of neurodiversity in media,where it's done well and where it's problematic, and how they would like to seeneurodiverse characters written.
Elsa Sjunneson-Henry (M), *Terri Ash*, *Shweta Adhyam*, *Mikko Rauhala*

16:00 **Using science in fantasy writing**
5648 Panel 50 minutes CCD: Wicklow Hall-1
When do you use science in fantasy? Whether you are dealing with medical problems, outbreaks of disease, or aspects of technology, how can these be integrated with fantasy – and what makes it different from SF?
Jo Walton (M), *Ginjer Buchanan*, *Joe Abercrombie*, *A. T. Greenblatt*, *Peter Adrian Behravesh*

16:00 **What is Irish science fiction now?**
5642 Panel 50 minutes CCD: Liffey Hall-2
Together, Kevin Barry's *City of Bohane*, Mike McCormack's *Notes From a Coma*, Sarah Maria Griffin's *Spare and Found Parts*, Ian McDonald's *The Dervish House*, Sarah Davis Goff's *Last Ones Left Alive*, and Oisín Fagan's *Hostages* seem to suggest that there is a new, distinctively Irish science fiction that is near-future, surrealist, post-everything, and so on. Is there something to this perception? What is Irish SF now?
Val Nolan (M), *Jo Zebedee*, *Atlin Merrick*

16:00 **Dealing with crisis in conrunning**
5675 Panel 50 minutes CCD: Wicklow Room-2
Your hotel contract doesn't actually say what you thought it did. A Guest of Honour goes missing. None of your laptops can run a crucial presentation. What crises have our conrunning panellists experienced, how did they handle them, and what plans do they recommend for preparing for the unexpected?
Dr. Deb Geisler (M), *Kris "Nchanter" Snyder*, *Jukka Särkijärvi*, *Liat Shahar-Kashtan*, *Gérard Kraus*

16:00 **Origins of Irish fandom**
5672 Panel 50 minutes CCD: Wicklow Room-1
Like Ireland itself, Irish fandom has a long history and rich lore. The Wheels of Irish Fandom first came together in 1947 and quickly became the epitome of what fandom of that time thought fandom should be. Come and hear our panellists talk about those 'Wheels of IF' and the legacy they have left.
Jerry Kaufman (M), *Geri Sullivan*, *John D. Berry*, *Sandra Bond*, *Teresa Nielsen Hayden*

16:00 **Reading: Mary Anne Mohanraj**
5690 Reading 50 minutes CCD: Liffey Room-3
Mary Anne Mohanraj

16:00 **Kaffeeklatsch: Amal El-Mohtar**
5651 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Amal El-Mohtar

16:00 **Alienised Identities**
5669 Panel 50 minutes CCD: ECOCEM Room
When your face leads to you being seen as belonging somewhere other than the place where you were born and raised, or where you have legal right of residence; It's not a problem of alienation, but alienization. Come share your experience as an alienized person of colour or come learn about the ways that "no, where are you *really* from" and "go home" are key markers for an identity that goes beyond national borders.
Kat Tanaka Okopnik (M), *Cadwell Turnbull*, *Dr Stewart Hotston*, *Alexander Hong*, *Jacq Applebee*

16:00 **Kaffeeklatsch: Alex Acks**
5654 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Alex Acks

16:00 **Kaffeeklatsch: Daryl Gregory**
5657 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Daryl Gregory

16:00 **Kaffeeklatsch: Randee Dawn**
5660 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Randee Dawn

16:00 **Kaffeeklatsch: Sultana Raza**
5663 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Ms Sultana Raza

16:00 **Kaffeeklatsch: Nancy Kress**
5666 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Nancy Kress

16:00 **Reading: Joe Hill**
5693 Reading 20 minutes CCD: Liffey Room-2
Joe Hill

16:30 **Transferable skills**
5702 Panel 50 minutes Point Square: Odeon 5
We talk to artists who have worked across different industries. How have they had to adapt, and what skills have they developed in one area of their career that benefitted them in another?
Teddy Harvia (M), *Andy Dudak*, *Celine Kiernan*, *Leeann Hamilton*, *Fred Gambino*

16:30 **What makes a uniform?**
5705 Panel 50 minutes Point Square: Odeon 4
When you hear the word 'uniform', does your mind automatically imagine the military? Uniforms encompass so much more than that. A discussion of what makes a uniform and what it can signify.
Dr Wanda Kurtçu (M), *Christian (Miles) Cameron*, *Rebecca Hewett*

16:30 **Group reading: fiction for kids and young adults**
5699 Group reading 50 minutes Point Square: Alhambra
Dublin 2019 presents a special group reading for lovers of children's and young adult fiction. Our authors provide a range of stories and topics that are sure to delight and entertain!
Christine Taylor-Butler (M), *Delia Sherman*, *Ruth Frances Long*

16:30 **Politics in art and art in politics**
5708 Panel 50 minutes Point Square: Odeon 3
As communication and control of perception become increasingly important in politics, visual storytelling is an increasingly necessary skill in persuading others. Creators of stories already know this. What are the best examples of political storytelling through art, and how are today's politics influencing our work now?
Siobhan Murphy (M), *Jim Fitzpatrick*, *Dominic Riemenschneider MA*, *Dr Mary Talbot*

16:30 **Eurocon: a way to experience Europe**
5717 Panel 50 minutes Point Square: Stratocaster BC
The first Eurocon was organised in Italy in 1972. Since then a Eurocon has been held almost every year, in many different European countries, and no two Eurocons have been alike. The panel talk about what you can expect from a Eurocon.
Carol Connolly (M), *Brian Nisbet*, *Carolina Gomez Lagerlöf*, *Ian Watson*, *Cristina Macia*

16:30 **Concert: Claire McCague**
5696 Concert 50 minutes Point Square: Warehouse 2 - Performance space
Claire McCague is a Canadian writer, scientist, and musician who plays tunes for dances, festivals, musicals, period plays, parades, parties, ferry rides, and quests. She's happy to bring the smaller instruments from her woodwind collection to Dublin 2019.
Dr Claire McCague

17:00 **Will we ever achieve sentient AI?**
5720 Panel 50 minutes CCD: Liffey Hall-2
SF is full of examples of sentient AIs (aka Artificial General Intelligences) such as Hal in *2001* or the AIs in Ian MacDonald's *River of Gods*. But current research suggests that, while AI may mimic humans, it will never achieve sentience. Nor may it need to. If it does, then what rights does it have? If it doesn't, should we worry about enslaving near-sentient AI?
Stephen Cass (M), *Verity Allan*, *Dr V Anne Smith*, *Antti Helin*

17:00 **Fantasies of modern Ireland**
5723 Panel 50 minutes CCD: Wicklow Hall 2B
It is obvious to even the most casual reader of fantasy that Ireland and Irish culture has influenced the genre, but what are Irish fantasy writers writing about today? Are they drawing from their roots, or deliberately distancing themselves from them? The panel will discuss current fantasy from Ireland, addressing its themes, tropes, and place in the fantasy genre as a whole.
Deirdre Thornton (M), *Rachel Scanlon*, *Daniel Kelly*, *Gareth Hanrahan*

17:00 **Where is Ireland in the comics universe?**
5762 Panel 50 minutes CCD: Wicklow Room-4
Apart from a few stereotypical characters here and there (Shamrock, Judge Joyce, Banshee etc.), Ireland doesn't seem to have made much of an impact in the comics medium – or has it? Let's talk about the growth of Irish comics and, we hope, the appearance of more Irish characters overall.
Maura McHugh (M), *David Ferguson*, *Stephen Mooney*, *Kieron Gillen*

17:00 **Romantic sub-plots**
5756 Panel 50 minutes CCD: Wicklow Room-2
How can writers include a romantic sub-plot and make it seem organic? The panel will offer advice to writers on how to integrate romance seamlessly into a story.
PRK (M), *Kate Johnson*, *Darlene Marshall*, *Elliott Kay*

17:00 **Workshop: Lang Belta (the language of The Expanse)**
5765 Workshop 50 minutes CCD: Wicklow Room-5
Far from the Earth's gravity well, the brave and resourceful people of the Belt have developed their own creole language. Lang Belta combines languages from all over Earth with the unique culture of the Belt. This course will give you hands-on practice, teaching you to understand spoken Lang Belta and to produce new, original Belta sentences of your own. No knowledge of the series is required, and there will be no plot spoilers.
Kagan MacTane, *Hanne-Madeleine (Iro) Gates Paine*

17:00 **Short fiction in YA**
5771 Panel 50 minutes CCD: Liffey Room-1
Short stories have traditionally been a bedrock of SFF culture, and in recent years they've become a staple in YA too, with YA anthologies and publications becoming more common and enjoying more popularity. Let's talk about some of the most exciting anthologies and short story authors, why they're appealing, and where to find them!
P. M. Freestone (M), *Anne Corlett*, *Claire Bartlett*, *Kali Wallace*, *Jeremy Carter*

17:00 **Gaeilgeoirí sa Spás**
5759 Panel 50 minutes CCD: Wicklow Room-3
Cén cinéal todhchaí a mbeidh ag an gcultúr Éireannach? Cé mhéad daoine a mbeidh ina gcónaí sa Spásghaeltacht? Beidh an painéal ag caint faoi eachtraí na nGael ar fud na cruinne.(*Irish speakers in space.* What kind of future will there be for Irish culture? How many people will live in the Space Gaeltacht? The panel will talk about the adventures of Irish people all over the universe.)
Peadar Ó Guilín (M), *Ms Michelle NicPhaidin*, *Dr Jack Fennell*, *Fionnuala Murphy*

17:00 **Mini Masquerade**
5774 Children's Programme 80 minutes CCD: Liffey Room-2
The Masquerade is always a big event at Worldcons and now we're hosting a special one specifically for children and their grown-ups. This is a chance for the children of Dublin 2019 to get dressed up, whether in costumes they've created at the con or costumes they've brought from home. Everyone will receive a certificate and have their photo taken.
Sal Roche, *John Nisbet*

17:00 **Heavy combat with the Society for Creative Anachronism**
5729 Demonstration 50 minutes CCD: Level 4 Foyer
Knights in armour: the tanks of the medieval battlefield. Our SCA experts take on the heavy stuff.
Aidan Barron

17:00 **Reading: Peter Beagle**
5753 Reading 20 minutes CCD: ECOCEM Room
Peter Beagle

17:00 **Kaffeeklatsch: Eric Choi**
5738 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Eric Choi

17:00 **Kaffeeklatsch: Michael Carroll**
5741 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Michael Carroll

17:00 **Literary Beer: S. Spencer Baker**
5732 Literary Beer 50 minutes Martin's (CCD: Liffey-A)
S. Spencer Baker

17:00 **Literary Beer: Stephen Jones**
5735 Literary Beer 50 minutes Martin's (CCD: Liffey-A)
Stephen Jones

17:00 **Kaffeeklatsch: Laura Antoniou**
5744 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Laura Antoniou

17:00 **Kaffeeklatsch: Sazib Bhuiyan**
5747 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Sazib Bhuiyan

17:00 **Kaffeeklatsch: Sienna Saint-Cyr**
5750 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Sienna Saint-Cyr

17:00 **Trailblazer: Anne McCaffrey's legacy and legend**
5726 Panel 50 minutes CCD: Wicklow Hall-1
Dragons and genetic engineering, psychics and aliens, opera and communication crystals, and even a unicorn girl: Anne McCaffrey's books were as unique as the woman herself. Join us for a celebration of the first woman to ever win a Hugo Award for fiction and a Nebula Award.
Eva L. Elasigue (M), *CE Murphy*, *Erin Wilcox*, *Eric Picholle*, *Sara-Jayne Slack*

17:30 **Parents and children in fandom**
5792 Panel 50 minutes Point Square: Stratocaster BC
Fandom is often intergenerational, and lots of children grow up with parents who are active in fandom. Our panellists discuss raising children or growing up in fandom, whether family reactions to participating in fandom have changed, and what it's like to have family ties to long-running and evolving series such as Star Trek, *Doctor Who*, and Pokémon.
Karl-Johan Norén (M), *fromankyra*, *Brianne Reeves*, *Naomi Libicki*

17:30 **Reading: Sue Burke**
5777 Reading 20 minutes CCD: ECOCEM Room
Sue Burke

18:00 **Soundtracks for SFF film and TV**
5795 Panel 50 minutes CCD: Liffey Hall-2
Soundtracks make a huge difference to the feel of a movie or TV show. What qualities make for a good soundtrack? Is there a difference between soundtracks for movies and for television episodes?
Lionel Davoust, *Gabrielle de Cuir*, *Lucy Hounsom*, *Sam Watts*

18:00 **Ensembles in YA**
5798 Panel 50 minutes CCD: Wicklow Hall 2B
YA protagonists have always had supporting casts, but works like Leigh Bardugo's *Six of Crows* or *An Ember in the Ashes* by Sabaa Tahir have used ensembles to great success. How do you create good YA ensembles? Are there roles that always need to be there? What are the good and bad things about ensembles? And do you still need a protagonist, or can you let the reader cheer for their favourites?
Lauren James (M), *Kate Elliott*, *Holly Black*

18:00 ***Troll Bridge* screening**
5801 Media 30 minutes CCD: Wicklow Hall-1
It's the fight of the century: Cohen the Barbarian vs bridge troll! A screening of the short film, *Troll Bridge*, based on the short story of the same name by Terry Pratchett. This will be followed by showings of other shorts by Snowgum Films.
Jannie Shea

18:00 **Concert: Bed & Breakfast (Bill and Brenda Sutton)**
5825 Concert 50 minutes CCD: Wicklow Hall 2A
Bed & Breakfast is the duo of Bill and Brenda Sutton. They have performed at SF conventions and in pubs and coffee houses across the US and around the world.
Bill Sutton, *Brenda Sutton*

18:00 **Reading: Carrie Vaughn**
5828 Reading 20 minutes CCD: Liffey Room-3
Carrie Vaughn

18:00 **Literary Beer: Fred Gambino**
5804 Literary Beer 50 minutes Martin's (CCD: Liffey-A)
Fred Gambino

18:30 **Reading: Nick Wood**
5834 Reading 20 minutes CCD: Liffey Room-3
Nick Wood

19:00 **You're bard: drinking songs in genre fiction**
5852 Panel 50 minutes CCD: Liffey Room-2
Fantasy is awash with taverns, ale, and hard-drinking dwarves, which often leads to a rousing drinking song. Raise your glass as our panellists discuss the best drinking songs in fantasy and what makes for a convincing drinking song – and may even break into song themselves!
R.W.W. Greene (M), *Anne Coleman*, *Rei Rosenquist*, *Claudia Rapp PhD*

19:00 **Invented mythologies in SF**
5840 Panel 50 minutes CCD: Wicklow Hall 2B
Whether it's creation myths for sentient AIs or a pantheon of alien gods, invented mythologies can add depth and weight to SF storytelling. How have myths from our own pastinformed the creation of fictitious mythologies in SF? Where do you start when inventing mythology? What makes a mythos convincing, and how do you subtly weave your mythology into the narrative?
Fonda Lee (M), *Marina J. Lostetter*, *Adrian Tchaikovsky*

19:00 **Ship ahoy!**
5846 Panel 50 minutes CCD: Liffey Room-1
Shipping is the desire to have two (or more!) characters end up in a – usually romantic – relationship. What do shippers mean by an OTP, a sailed ship, or a sunk ship? Our panellists will define niche terms, explain why the joy of shipping isn't relegated to R- or X-rated slash fic, and share and compare their favourite genre ships.
Ilana Galadriel BAT (M), *Gavia Baker-Whitelaw*, *Liekinloimu*, *Christopher Brathwaite*

19:00 **Is there any other life in the solar system?**
5843 Interview 50 minutes CCD: Wicklow Hall-1
From *Mars Attacks* to *Europa Report*, SF has speculated on the nature of other life in the solar system. What are the chances of life in the solar system beyond Earth? What would it be like? Two planetary scientists take the gloves off, with each taking a side on these questions. They will present cutting-edge data and arguments and provide time for the audience to get in on the fun.
Dr Laura Woodney, *Dr. JA Grier*

19:00 **Tales from the world of special effects**
5837 Talk 50 minutes CCD: Liffey Hall-2
Duct tape, baling wire and rubber cement. What new tales of special effect derring-do can our panellists tell, especially in the age of digital special effects?
Gregory Norman Bossert, *Norman Cates*, *Edward Kramer*, *James Brophy*

19:00 **Reading: Geoff Ryman**
5849 Reading 20 minutes CCD: Liffey Room-3
Geoff Ryman

19:30 **Reading: Madeline Ashby**
5855 Reading 20 minutes CCD: Liffey Room-3
Madeline Ashby

20:00 **The 2019 Hugo Awards Ceremony**
5873 Awards 120 minutes CCD: Auditorium
The premiere event of the Worldcon will take place on Sunday evening, as we celebrate the best science fiction and fantasy of 2018. Hosted by Afua Richardson and Michael Scott, we invite you to join us in congratulating this year's finalists and winners of the prestigious Hugo Awards.
Afua Richardson (M), *Michael Scott* (M)

20:00 **Irish ghost stories**
5861 Group reading 50 minutes CCD: Wicklow Hall 2B
We'll be sharing stories about ghouls, witches, and all things supernatural. Whether you have a story to share, want to listen, or are just killing some time, come and join the circle. Who knows: maybe something will appear at the end…
Dr Jack Fennell

20:00 **Hugo Awards overflow viewing**
5876 Awards 150 minutes CCD: Liffey-B (Second Stage)
The Hugo Awards Ceremony will be live-streamed into the Second Stage to accommodate anyone who wishes to view it in a more relaxed atmosphere.

20:00 **The Cassini probe**
5858 Presentation 50 minutes CCD: Liffey Hall-2
Decades in the making and nearly as long in flight, Cassini was truly one of NASA's 'Cadillac' missions. A member of the flight team, Bridget Landry, will walk you through the spacecraft, the mission, and the science discoveries, as well as the human side of such a remarkable mission.
Bridget Landry

20:00 **Reading: Matthew Hughes**
5867 Reading 20 minutes CCD: Liffey Room-3
Matthew Hughes

20:30 **Reading: Patrice Sarath**
5879 Reading 20 minutes CCD: Liffey Room-3
Patrice Sarath

21:00 **Sunday filk circles 1**
5888 Concert 230 minutes CCD: Liffey Room-1

21:00 **Sunday filk circles 2**
5891 Concert 230 minutes CCD: Liffey Room-2

21:00 **Literary Beer: Dr Sara L. Uckelman**
5882 Literary Beer 50 minutes Martin's (CCD: Liffey-A)
Dr. Sara L. Uckelman

22:00 **Concert: The Doubleclicks**
5894 Concert 60 minutes CCD: Wicklow Hall 2A
The Doubleclicks are a folk-pop sibling duo, featuring clever lyrics about dinosaurs, literature, love, and the Internet – with a cello, guitar, and meowing kitten keyboard. Their latest CD, *Love Problems*, debuted at number one on the Billboard comedy albums chart, and they've toured the world, performing at conventions, comedy festivals, and more. Their songs and YouTube videos have been viewed over 4 million times and are frequently featured on BoingBoing, Kotaku, the Huffington Post, and on NPR shows *Live Wire*, *All Things Acoustic*, and *State of Wonder*.
Laser Malena-Webber, the Doubleclicks, *Aubrey Turner*

22:30 **Satellite conventions pub quiz**
5897 Quiz/Gameshow 85 minutes CCD: Liffey-B (Second Stage)
Join the Satellite team for a light-hearted pub-style quiz featuring questions on speculative fiction, science fact, SF-related music, and anime. Groups welcome – or just come along as an individual and we'll find you a team to join.
Christine Davidson, *Michael Davidson*, *Niall Jackson*, *Morag O'Neill*

23:00 **Werewolf!**
5900 Game 110 minutes CCD: Liffey Room-3
Are you a werewolf? Join us for a fun interactive game of deduction and survival for two teams: villagers and werewolves. No sign-up required. Each game takes about 45 minutes. So if you're a few minutes late, no worries: just watch and then join in the next game.

Monday

09:00 **Stroll with the stars: Monday**
6009 Stroll 50 minutes CCD: Ground Floor Foyer
Alex Acks, *Kari Sperring*, *Libia Brenda*, *K.M. Szpara*, *Bridget Landry*

09:30 **'Greetings, Heroes': a live roleplaying game for children**
6021 Children's Programme 120 minutes Spencer Hotel: Columba 1
Join award-winning author Dave Rudden in a unique interactive storytelling experience where the audience becomes the hero. Each team will be cast as an adventurer – mage, warrior, rogue, barbarian – and thrown into the deepest of dungeons. Make decisions. Use magical artefacts. Create your own adventure, and win glory… or face a terrible fate. You make the choices. You write the story.
Dave Rudden

09:30 **Make what you missed**
6024 Children's Programme 50 minutes Spencer Hotel: Columba 1
If you missed out on an activity or craft over the weekend, you have a second chance to make what you missed with left-over materials. There'll be volunteers on hand to show you how.
Sal Roche, *John Nisbet*

10:00 **Bigotry is not allegorical: strategies for writing and reading**
6057 Panel 50 minutes CCD: Wicklow Room-1
Earlier this year, N. K. Jemisin argued for the necessity of 'blatant' depictions of bigotry in SF and fantasy:'SFF does subtle coverage of bigotry all the time … Allegories all over the place, especially in secondary worlds. And probably because of that, readers who are fluent in SFF are used to separating real-world bigotry from its fantastic (or futuristic) counterpart … You cannot trust your audience to just figure that ish out.' Which books and stories function as exemplars of Jemisin's approach, and why? How should writers respond to the challenge in this argument, in their depictions of prejudice and violence? How will, and should, different readers encounter and interrogate this sort of depiction?
Anna Stephens (M), *Jacq Applebee*, *Nick Wood*

10:00 **Women write about war**
6033 Talk 50 minutes CCD: Wicklow Hall-1
Science fiction and fantasy often deal with war, violence and military life. What clichés have developed in this genre, and why? And can things be done differently? Three books by women in the 21st century that deal directly with war – Naomi Novik's *His Majesty's Dragon*, Karin Lowachee's *Warchild*, and Kameron Hurley's *God's War* – present alternative visions of violent conflict and point to new ways of subverting familiar narratives.
Marina Berlin

10:00 **No, what do you mean by AI?**
6027 Panel 50 minutes CCD: Liffey Hall-2
AI professionals generally consider HAL-like general artificial intelligence (the AI that worries Elon Musk) so far in the future and so poorly understood that it's useful only for philosophy and entertainment. Intelligence as we know it may be irrelevant. Neither is AI necessarily automated: there's lots of human validation in AI, in supplying training data and validating results. Panellists discuss how current and near-future states of AI differ from their fictional counterparts.
Dr Tamara Vardomskaya (M), *Renee Sieber*, *Prof Dave Lewis*, *Kevin Roche*

10:00 **Fanworks in YA**
6030 Panel 50 minutes CCD: Wicklow Hall 2B
Fanfic, fanart, cosplay, and more: how do YA fans engage with their favourite works? How do YA fans engage in fan culture? And is there a distinctly 'YA' fan culture?
Kathy Bond (M), *Victoria "V.E." Schwab*, *Victoria Lee*, *fromankyra*

10:00 **Anniversary: Alcock and Brown**
6054 Panel 50 minutes CCD: ECOCEM Room
2019 marks 100 years since the flight of Alcock and Brown, the first people to fly non-stop across the Atlantic, linking Canada and Ireland. Like astronauts at the start of the space race, these pilots saw the world differently from the air and it influenced their views of the world. Panellists will discuss the role of early aviators in considering the importance of international relations, the absurdity of war, and the potential for aircraft to bring war to anywhere on the planet.
Stephen Cass (M), *Oisin McGann*, *Conor Kostick*, *Ms Sylvia Spruck Wrigley*

10:00 **Irish folklore**
6078 Children's Programme 50 minutes Spencer Hotel: Columba 2
A humorous all-ages presentation about Irish folklore, history, and culture based around Nigel Quinlan's fantasy novel for 8- to 12-year-olds, *The Cloak Of Feathers*. Topics include a lesson in Irish dancing and how to play hurling.
Nigel Quinlan

10:00 **WSFS Business Meeting**
6075 Meeting 170 minutes Point Square: Stratocaster A
Joining Dublin 2019 made you a member of the World Science Fiction Society, the organisation that has sponsored Worldcons since 1939. WSFS holds its business meeting annually at the Worldcon, making the rules that govern Worldcons and the Hugo Awards. Every attending member of Dublin 2019 is welcome to attend the meeting, participate in debates, and vote. If the prior WSFS meetings this weekend concluded all business by the end of yesterday's meeting, there will be no WSFS business meeting today; check the convention newsletter and the mobile app for updates to the schedule.

10:00 **In conversation: Jocelyn Bell Burnell and Norah Patten**
6069 Talk 80 minutes CCD: Auditorium
Convention guests Professor Jocelyn Bell Burnell and Dr Norah Patten represent two different generations of Irish women rising to success and prominence in the fields of science and technology. They discuss their experiences and assessments of where the STEM fields are today, and shine a light on where they think we are going.
Prof Jocelyn Bell Burnell, *Dr. Norah Patten*

10:00 **Concert: The Library Bards**
6060 Concert 45 minutes CCD: Wicklow Hall 2A
The Library Bards are a nerd parody band consisting of Bonnie Gordon (ABC's *The Quest*; Cartoon Network; *Street Fighter* V; *Mega Man 11*; Geek & Sundry) and Xander Jeanneret (TBS's *King of the Nerds*; announcer in *Divekick*, *Sagas of Sundry*, etc.). They take Top 40 hits and transform them into the nerdy versions they should have been in the first place. With their catchy tunes and nerdy lyrics, the@LibraryBards will be bringing you into the #BardLife in no time!
Bonnie Gordon, *Xander Jeanneret*

10:00 **A *Critical Miss*, presented by Tantalus Ireland**
6072 Play 90 minutes CCD: Liffey-B (Second Stage)
On the eve of a new real life adventure, the epic quest that five lifelong friends have carried together must come to an end. *A Critical Miss* tells the tale of a group of friends as they finally end a roleplaying game campaign they have maintained for many years. Together, they bid a world that has meant much to all of them – as well as the characters that inhabit it – one last farewell.A dramatic comedy penned by Tantalus Ireland – the creative minds behind *I Want to Be Your Canary* and *Tales from the Shrink's Couch –A Critical Miss* delves into the world of tabletop gaming and just how much it means to those who consider co-operative storytelling to be one of life's greatest joys.
Mr Conor Lennon, *Ms Aisling McCabe*, *Mr Feidhlim Malone*, *Mr. Bob Robertson*, *Mx Axel Sparrow*, *Miss Sarah Lenihan*, *Caroline Keating*, *Mr Jonathan Shortall*, *Mr Samuel McKeague*, *Orlagh Collison*, *Stephen Cullen*

10:00 **Reading: Mary Robinette Kowal**
6066 Reading 50 minutes CCD: Liffey Room-2
Mary Robinette Kowal

10:00 **Autographs: Monday at 10:00**
6036 Autographing 50 minutes CCD: Level 4 Foyer
G. David Nordley, *Laurel Anne Hill*, *Dr Máire Brophy*, *Jenn Lyons*, *Stefan Rudnicki*, *Alexander Dan Vilhjálmsson*

10:00 **Reading: Michelle Sagara**
6063 Reading 50 minutes CCD: Liffey Room-3
Michelle Sagara

10:00 **Kaffeeklatsch: C. E. Murphy**
6042 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
CE Murphy

10:00 **Kaffeeklatsch: Kenneth Schneyer**
6045 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Prof. Kenneth Schneyer

10:00 **Kaffeeklatsch: Naomi Novik**
6039 Kaffeeklatsch 50 minutes Martin's (CCD: Liffey-A)
Naomi Novik

10:00 **Kaffeeklatsch: Alec Nevala-Lee**
6048 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Alec Nevala-Lee

10:00 **Kaffeeklatsch: Beth Meacham**
6051 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Beth Meacham

10:30 **Irish science and scientific discoveries**
6096 Talk 50 minutes Point Square: Odeon 3
From Boyle's Law to the later speculations of Schrödinger, Ireland and its scientists can claim many world-changing scientific discoveries. How did this happen? What linked Irish science with the island's political situation?
Nicholas Whyte

10:30 **AIs and the female image**
6105 Panel 50 minutes Point Square: Odeon 1
Whether in smart homes or wearing mechanical bodies, until recently many 'female' AIs emphasised beauty and sexuality. Now some portrayals emphasise strength and intelligence. Can we do both? How does the representation of 'male' AIs differ? Must we anthropomorphise AIs and assign them genders? Can we have non-binary AIs?
Dr. Sara L. Uckelman (M), *Madeline Ashby*, *Charles Stross*, *Pat Cadigan*, *Dr V Anne Smith*

10:30 **The Prometheus Awards**
6090 Awards 50 minutes Point Square: Odeon 5
The Prometheus Award, sponsored by the Libertarian Futurist Society (LFS), was established in 1979, making it one of the most enduring awards after the Nebulas and Hugos, and one of the oldest fan-based awards currently in SF. The presentation of awards is followed by discussions of the winning works; we'll also discuss their relevance in the current context and the history of the award.
John Christmas, *Fred Moulton*

10:30 **Costume and textile research and documentation**
6093 Panel 50 minutes Point Square: Odeon 4
Do you want your costumes to be as accurate as possible, but come to a grinding halt when faced with nothing but Wikipedia and circular, third-person, internet citations? Our panellists will discuss methods, resources, and how to evaluate sources in order for you to get the most out of your research.
Jeannette Ng (M), *Dr Kevin Hewett*, *Dr Katrin Kania*, *Kerri-Ellen Kelly*

10:30 **'The Raksura Colony Tree': putting it all together**
6084 Workshop 50 minutes Point Square: Warehouse Art Demo Area
'The Raksura Colony Tree' is a community art project for Dublin 2019, celebrating the worldbuilding in Martha Wells's Books of the Raksura series by creating part of a colony tree in fibre and thread. A lot of fibre arts lend themselves well to creating organic forms: trees, bushes, lianas, grass, and lots more.This is the last opportunity to bring us your contributions (you can drop them off at any time before that, of course). If you want to help us to create the final presentation out of the pieces, come by for this session!
Constanze Hofmann (M)

10:30 **Concert: Gary Ehrlich**
6081 Concert 50 minutes Point Square: Warehouse 2 - Performance space
Mild-mannered song-writing structural engineer and 2012 Filk Hall of Fame inductee, from the Washington, DC area.
Gary Ehrlich

10:30 **Is the future of AI in your hands?**
6102 Workshop 50 minutes Point Square: Odeon 6 (Academic)
Many visions for the evolution of artificial intelligence (AI) assume the transition to human-level AI will be through some physically concentrated computer. However, the evolution of animal and human intelligence is closely linked to social behaviour in its need for cooperation and communication. So might the evolution of AI also be through social engagement? Futurist John M. Smart has argued that this is indeed a likely scenario, given current technological and commercial trends toward personal AI. We are already comfortable interacting with simple voice-driven assistants, such as Siri and Alexa, both via home appliances and more significantly via the near-ubiquitous smartphone. Dedicated machine-learning acceleration chips are already starting to appear in smartphones. Here, neutral nets specialising in tasks such as speech and gesture recognition can be integrated with neural nets that are continuously trained on the day-to-day experiences of users as they interact with other people and navigate their physical and virtual worlds to accomplish tasks. Such personal AI, especially if networked and able to exchange what they have learned, may rapidly evolve from today's rudimentary personal assistants to full Jarvis-like agents that will be increasingly able to converse naturally with us, anticipate our needs, and act and converse on our behalf. ADAPT, Science Foundation Ireland's research centre for Digital Content Technology, is actively researching personal AI technologies. It has organised this workshop to help imagine and debate the new ethical issues and societal impacts of personal AI on human relationships and personal autonomy. The workshop will start with a short presentation of known ethical issues before running an open group debate on the new types of responsibilities and measures that personal AI requires. We will address issues such as: Ownership of personal AI agents: what are the rights of the AI vendor and what are those of the person whose behaviour the AI has been learning?

- When a personal AI converses on our behalf, should it always declare itself as an AI?
- After a person dies, should their family have right to their loved one's personal AI and the elements of their personality and identity it embodies?
- If personalised AIs take on the same importance for social interactions as today's smart phones, at what age should we allow our children to start interacting with them?Should a person be free to sell their personal AI to third parties, given that it may concern knowledge of how they interact with other people?
- In what circumstances could the authorities question a personal AI of someone accused of a crime?
- Should a personal AI be able to contact health professionals autonomously if a person exhibits symptoms of mental or physical illness but refuses to acknowledge them? How should individuals behave if their personal AI seems to become self-aware?

Dr Kevin Koidl, *Dr Kristina Kapanova*

10:30 **The art of Iain Clark**
6099 Presentation 50 minutes Point Square: Odeon 2
Iain Clark created some of the promotional art for Dublin 2019, an Irish Worldcon, as well as work for other fannish endeavours. Come and see a presentation of some of his art and hear him talk about it!
Iain Clark

11:00 **Fairy tunes and ghostly croons**
6147 Panel 50 minutes CCD: Wicklow Room-4
Irish music has a strong thread of the supernatural running through it – dance tunes are gifts from the fairies, and many a love song reveals a ghostly presence in the final verse. Discover a world of mermaids, changelings, and mischievous púcas.
Carol Connolly (M), *Marguerite Smith*, *Daniel Kelly*, *BE Allatt*

11:00 **Creative couples**
6114 Panel 50 minutes CCD: Wicklow Hall-1
C. L. Moore and Henry Kuttner; Kate Wilhelm and Damon Knight; Kelly Link and Gavin Grant. The histories of science fiction and fantasy are studded with examples of couples who are notable as partnerships as well as individuals. But what is it really like to combine art, work, and life? When, why, and how does a project become a collaboration? In this panel, two creative couples will discuss their experiences.
Heide Goody (M), *Diane Duane*, *Ellen Kushner*, *Peter Morwood*, *Delia Sherman*

11:00 **Games for science**
6162 Panel 50 minutes CCD: Liffey Room-2
STEM-inspired games have been growing and getting more popular in recent years, with *Pandemic* as one of the most well-known examples. Board and video games now cover biology, evolution, and terraforming Mars. We'll look at the use of science in games andhow it can encourage interest in science and engineering; game designers andplayers discuss this trend.
Dr Bob (M), *Tom Lehmann*, *Steve Jackson*, *Cristina Alves*

11:00 **Ask me about deathbuilding**
6144 Panel 50 minutes CCD: Wicklow Room-3
You pick the darlings; we'll help you plan their gruesome, protracted, and highly entertaining demise and/or near-death experience! Learn why you can't really sword-fight after taking a bullet in the shoulder, why not all toxins are created equal, and how to have fun with anatomy, pathophysiology, and epidemiology.
Dr Anatoly Belilovsky (M), *Chris Wozney*, *Edmond Barrett*, *Freya Marske*

11:00 ***Breaking the Glass Slipper* podcast: live recording**
6111 Podcast 50 minutes CCD: Wicklow Hall 2B
Since 2016, the *Breaking the Glass Slipper* podcast has championed female voices in speculative fiction. Now into our third season and with a British Fantasy Award nomination under our belt, we're excited to host a live recording at Dublin 2019. Our subject is inspired by the Emerald Isle itself: the place of islands and island mythology in the human imagination.
Megan Leigh (M), *Lucy Hounsom* (M), *Vida Cruz*, *Jo Walton*, *Alexandra Rowland*

11:00 **Irish horror and the supernatural**
6135 Panel 50 minutes CCD: ECOCEM Room
Critic Peter Tremayne observed that: 'Practically every Irish writer has … explored the genre for the supernatural part of Irish culture.' Ireland has always held its own infantastical literature, from Jonathan Swift and Bram Stoker to Dorothy Macardle and Elizabeth Bowen. But is there a discernible tradition threaded through their fictions? And what, if anything, makes their writing Irish?
RB Kelly (M), *Dr Jack Fennell*, *Maura McHugh*, *Dr Tracy Fahey*

11:00 **Humorous fantasy**
6138 Panel 50 minutes CCD: Wicklow Room-1
Writing humour is more than dropping a brilliant one-liner into text. There is nuance and timing to consider. There are clichés and social taboos to battle… or to bat around. While wit and savvy are handy authorial tools, there is more to writing funny than snappy snark. So let's look at comedy in fiction, discussing our favourite examples and why they work so well.
Ellen Klages (M), *Randee Dawn*, *Ginjer Buchanan*, *Ju Honisch*, *Angus Watson*

11:00 ***Hungry Hippos*: live action**
6165 Children's Programme 50 minutes Spencer Hotel: Columba 1
A fun team game. Life-sized version of *Hungry Hippos* where players are the Hippos, pulled along on trolleys by teammates as they try to catch as many balls as possible. Helmets provided!
Sal Roche, *John Nisbet*, *James Shields*

11:00 **Staying healthy**
6153 Panel 50 minutes CCD: Wicklow Hall 2A
It's not good for your body to be sitting at a desk all day. As our backs buckle, our shoulders hunch, and our backsides expand, we talk to artists about the measures they've adopted to take care of themselves over a long career of staying put and staring at things.
Dr Sorcha O'Brien (M), *Karen McWilliams*, *Teddy Harvia*, *Liz Gilio*

11:00 **These islands: exploring Irish and British fandom**
6156 Panel 50 minutes CCD: Liffey Room-1
For decades fans from Britain and Ireland have participated in and even run each other's cons. Has this created a shared British and Irish con culture, or does each country have its unique traditions? And have modern social media and travel options diminished or enhanced our close ties?
Catherine Sharp (M), *Professor Anthony Roche*, *Juliet E McKenna*, *Val Nolan*

11:00 **Shoot for the Moon: lunar depictions in SFF**
6108 Panel 50 minutes CCD: Liffey Hall-2
For as long as there has been science fiction there has been a fascination with the Moon. What role does the Moon play in cultures around the world, and how do those cultures incorporate it into their speculative fiction? Our panel will discuss why the Moon holds such a powerful allure as a subject for writers, and whether the discovery of more distant heavenly bodies has had an impact on lunar fiction.
Ian Sales (M), *Ian McDonald*, *Joey Yu*, *Hester J. Rook*, *Jeffery Reynolds*

11:00 **Superfight: superheroes**
6141 Quiz/Gameshow 50 minutes CCD: Wicklow Room-2
Contestants make their case for why their improv superheroes or supervillains should win a fight between them. After the first round, the audience get to vote on who has the more compelling case.
Stephan Herman (M), *Michael Cule*, *Méabh de Brún*, *Dr Ruth Palileo*

11:00 **Autographs: Eoin Colfer**
6117 Autographing 50 minutes CCD: Level 4 Foyer
Eoin Colfer

11:00 **Autographs: Monday at 11:00**
6120 Autographing 50 minutes CCD: Level 4 Foyer
Eric Choi, *Ian R MacLeod*, *Jeanine Tullos Hennig*

11:00 **Kaffeeklatsch: Fonda Lee**
6123 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Fonda Lee

11:00 **Kaffeeklatsch: Sheila Williams**
6126 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Sheila Williams

11:00 **Kaffeeklatsch: Greg Chivers**
6129 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Greg Chivers

11:00 **Kaffeeklatsch: Dr Liz Bourke**
6132 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Dr Liz Bourke

11:00 **Reading: Laura Lam**
6159 Reading 20 minutes CCD: Liffey Room-3
Laura Lam

11:00 **Reading: Marina J. Lostetter**
6150 Reading 20 minutes CCD: Wicklow Room-5
Marina J. Lostetter

11:30 **Ask me about my feminist agenda**
6198 Panel 50 minutes Point Square: Odeon 1
Female creators and characters are finally gaining recognition in the comics industry, but with that came a backlash. Where we disagree with creative directions, how do we best engage with creators? And how do we support female creators for an increased presence, without threats and harassment?Note: The panel title refers to the 'infamous' cover from the last issue of the *Mockingbird* comic series.
Dr Rebecca O'Neill (M), *Brianne Reeves*, *Nina Niskanen*, *Terri Ash*

11:30 **Giant robots in science fiction**
6192 Presentation 50 minutes Point Square: Odeon 2
From time immemorial, humankind has asked the question: 'When are giant robots going to be made real and how do I apply to pilot one?' In this presentation we discuss this overarching dream of human civilisation, take a trip down memory lane to talk about some prime examples of the impossible desire, and try to answer: what precisely is a Gundam?
Paddy Lennon

11:30 **Finishing touches: lights and electronics**
6180 Panel 50 minutes Point Square: Alhambra
From a simple, single light to complex light 'shows', it is now simpler, easier, and more affordable than ever to integrate electronics into your costume without having to get a degree or lug around something the size and weight of a car battery. Get information about LED lights, wires, connectors, types of power sources, and safety considerations.
Kevin Roche, *William C. Tracy*

11:30 **112 in freefall: handling medical emergencies in space**
6189 Presentation 50 minutes Point Square: Odeon 3
What happens when there is a medical emergency in space? How would astronauts and ground controllers respond? What are the risks, and what special considerations are there in microgravity?
Bruce Davis

11:30 **Telling tales for kids through art and pictures**
6186 Panel 50 minutes Point Square: Odeon 4
They say that a picture is worth 1,000 words, and pictures are a great way to capture the attention and imagination of young readers. How do artists and authors use art to convey a story? Our panellists share some of their favourite examples of art in fiction for young readers, as well as some of their own projects that speak to children beyond the use of language.
Naomi Libicki (M), *Maeve Clancy*, *Rosa Devine*, *Dr Patricia Kennon*

11:30 **What do engineers do?**
6201 Children's Programme 50 minutes Spencer Hotel: Columba 2
Do you want to know how machines work? This talk will introduce you to an array of engineers and the tech they have created. There will be screwdrivers and pieces of tech for you to take apart and explore, with the help and guidance of a real live engineer.
Graham Scott

11:30 **Painting diversity**
6183 Panel 50 minutes Point Square: Odeon 5
There has never been such demand for diverse characters and imagery in art, but how do we get it right? Where's the line between including races or cultures that are not your own and appropriation? What's the difference between being influenced by something and ripping it off – and who decides?
Errick Nunnally (M), *Kat Tanaka Okopnik*, *Sazib Bhuiyan*

11:30 **Celtic twilight**
6195 Academic 50 minutes Point Square: Odeon 6
(Academic)
1. Dr Joachim Fischer – 'L. McManus: *The Professor in Erin*'
2. Gillian Polack – 'Australian Tellings of Irish Tales'

11:30 **Reading: Michael Scott**
6171 Reading 20 minutes CCD: Wicklow Room-5
Michael Scott

11:30 **Reading: Charles Vess**
6174 Reading 20 minutes CCD: Liffey Room-3
Charles Vess

12:00 **Dragons, wyrms, and serpents: why the myth endures**
6246 Panel 50 minutes CCD: Wicklow Hall 2A
There are a lot of mythical beasts that can and do feature in fantasy, but the dragon/wyrm/serpent seems to be one of the most popular. What are the reasons for this enduring popularity? What roles does it perform? What mythic properties does it embody and why do these continue to resonate (if they do)?
Karen Simpson Nikakis (M), *Marie Brennan*, *Aliette de Bodard*, *Naomi Novik*, *Joey Yu*

12:00 **'The road goes ever on and on': poetry within SFF**
6243 Panel 50 minutes CCD: Wicklow Room-4
Many works of speculative fiction include verse within the story. What purpose does poetryserve in SFF stories? When is it successful, and when does it distract from the story? The panel will discuss SFF poetry written for prose stories, its place in the wider world of poetry, and its purpose within a narrative tale.
Sara Norja (M), *Steven Erikson*, *Karolina Fedyk*, *Rie Sheridan Rose*

12:00 **How plausible are fictional diseases?**
6249 Panel 50 minutes CCD: Liffey Room-2
What does it take to worldbuild for a good fake disease? Panellists discuss the causations, symptoms, treatment, transmission, and logical spread of these pseudo-ailments. They describe how society and institutions typically respond to new diseases. They also mention their pet peeves: what do writers get wrong about fictional diseases?
Sam Scheiner (M), *Tricia Tynan PhD*, *Dr Keren Landsman*, *E. C. Ambrose*

12:00 **Well-meaning vs 'plain dealing' villains**
6234 Panel 50 minutes CCD: Wicklow Room-1
Villains come in many different guises. Characters like Marvel's Thanos do terrible things for what they believe to be good reasons, whereas The Other Mother from *Coraline* is alien and terrifying. Do certain genres lend themselves to different types of villainy? Are villainous women held to a different standard than their male counterparts?
Russell Blackford (M), *Dr Máire Brophy*, *Lauren Roy*, *Paul Anthony Shortt*

12:00 **Really big telescopes**
6207 Panel 50 minutes CCD: Liffey Hall-2
If we can utilise the radio spectrum on planet Earth for astronomy, our descendants or alien species could build imaging interferometers the size of planets or even planetary orbits, and look for buildings on planets around Tau Ceti. What are the implications for exploring the universe – by us or aliens?
Dr Inge Heyer (M), *Prof Jocelyn Bell Burnell*, *Dr David L Clements*, *David DeGraff*

12:00 **Bollywood Fantasy**
6240 Fan Chat 50 minutes CCD: Wicklow Room-3
Bollywood has given us new realms of fantasy to go into. With its song and dance routines, sometimes outrageous plots and visuals, watching a Bollywood film for the first time can be a truly unique experience. Join Tasha Suri for a chat about favorite Bollywood movies and recommendations. Audience participation highly encouraged.
Tasha Suri

12:00 **Visual effects for film: a collaborative art**
6213 Presentation 50 minutes CCD: Wicklow Hall-1
Film-making is an extraordinarily collaborative art in which dozens, even hundreds, of people can work together on a single shot. Industrial Light & Magic Supervising Artist Gregory Bossert shows examples from his work on blockbusters – from Star Wars to Marvel – and from his own short films to illustrate how artists and technology come together to create a singular vision.
Gregory Norman Bossert

12:00 **Evoking theme through boardgame mechanics**
6237 Panel 50 minutes CCD: Wicklow Room-2
In boardgames, theme can be evoked in many ways – through artwork, story, sometimes even through boardgame soundtracks – but how can theme be evoked through mechanics? In this panel we'll discuss some examples of this being done well today, and what should be considered when exploring this element of design.
Robin David (M), *Justin Call*, *Helena Nash*, *Rachel Scanlon*

12:00 **2000 AD: the Irish connection**
6210 Panel 50 minutes CCD: Wicklow Hall 2B
For the past 35 years Irish writers and artists have been involved with *2000 AD*. We discuss the impact that Irish creators have had on the comic and its stories, and consider recent additions to the line-up of Irish creators.
David Ferguson (M), *Maura McHugh*, *Michael Carroll*, *William Simpson*

12:00 **The life and works of James White**
6231 Talk 50 minutes CCD: ECOCEM Room
Remembering our beloved friend James White for an Irish Worldcon: founder, with Walt and Madeleine Willis, of Irish Fandom in 1947; fan publisher, artist, and writer starting with *Slant* in 1948; SF writer who chronicled the Hospital Station (1957-1999) and conceived *The Escape Orbit* (aka *Open Prison*, 1964)… This talk touches on all aspects of James White's life and career in science fiction.
Caroline Mullan

12:00 **Aduantas: To the Waters and the Wild**
6252 Event 60 minutes CCD: Auditorium
When we are absent from our own minds… where are we? And what… other might try to enter and occupy that vacant space?When we deny our own thoughts, what do we accept instead? When we have no strength left, to what forces might we become vulnerable? When we don't turn and face ourselves, what might we find ourselves facing down instead? Grief, despair, shutting down, shutting out… If you aren't quite here… where are you?There's another Ireland just within reach. Come with us, to the fun and the freedom… Leave behind your human woes… Leave behind your human life, human form, human reality, and see what's really possible…Come flying, dancing, soaring… falling… drowning… 'Come away, O human child! To the waters and the wild…'Aduantas presents an aerial and acrobatic blurring of the human world and that other Ireland that you might have glimpsed before in a shift of the light. Come and dance with us! And please… do stay.
Laura Connolly, *Kate Dunne*, *Simon Twist*, *Ms Mich Piazza*, *Mr Cian Doherty*, *Emily Price*, *Pearse Stokes*, *Aoife de Burca*

12:00 **Autographs: Monday at 12:00**
6216 Autographing 50 minutes CCD: Level 4 Foyer
Bonnie Gordon, *Xander Jeanneret*, *Nick Wood*, *Jim Doty PhD*, *Peadar Ó Guilín*

12:00 **Kaffeeklatsch: Marguerite Kenner**
6219 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Marguerite Kenner

12:00 **Kaffeeklatsch: Ramsey Campbell**
6222 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Ramsey Campbell

12:00 **Kaffeeklatsch: Stefan Rudnicki**
6225 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Stefan Rudnicki

12:00 **Kaffeeklatsch: Cadwell Turnbull**
6228 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Cadwell Turnbull

12:30 **Beyond Pluto to Ultima Thule: NASA's New Horizons**
6282 Talk 50 minutes Point Square: Odeon 3
Famed for its 2015 flyby of Pluto, the New Horizons spacecraft was designed to go further. But not until eight years after launch did searchers find a small, icy target within reach of the post-Pluto mission. On New Year's Day 2019, New Horizons encountered Kuiper Belt Object 2014 MU69. Bill Higgins tells the story of the frozen body nicknamed 'Ultima Thule'.
Bill Higgins

12:30 **Knot theory**
6279 Workshop 50 minutes Point Square: Odeon 4
How do we know if a knot can be untied? How can we tell if two knots are the same? Everyday questions like these launched a new and growing area in discrete mathematics. From the most basic elements – loops of string – we will build up the essential ideas of knot theory and discuss its possible links with modern physics.Assumed knowledge: basic algebra.
Dr Edmund Schluessel (M)

12:30 **The Pan Galactic Gargle Blaster: a chemist's perspective**
6276 Talk 50 minutes Point Square: Odeon 5
The galaxy's most intoxicating and powerful molecules – from alcohols to opioids to oxidisers that can light water on fire. (No samples will be distributed.)
Dr Claire McCague

12:30 **MST3K**
6291 Media 110 minutes Point Square: Odeon 1
We have movie sign! Also, there may or may not be robots.
Christopher Garcia

12:30 **Judging a cover by its book**
6273 Panel 50 minutes Point Square: Alhambra
An artist doesn't always read the novel they're illustrating a cover for, and even when they do they can make mistakes. Sometimes it's just funny; other times it's outrageous. What are the worst mistakes you've seen on covers, or when has a cover completelymisrepresented the story it's supposed to be selling?
Rob Carlos (M), *Peter V. Brett*, *Celine Kiernan*, *Kate Johnson*

12:30 **The life and times of Jim Fitzpatrick, artist**
6285 Presentation 50 minutes Point Square: Odeon 2
Jim takes a look at the oeuvre of his life's work, and what keeps him interested. Mention may be made of art, Irish folklore and history, musicians, and of course cats. To be followed by a question and answer session.
Jim Fitzpatrick

12:30 **Sci-maths**
6288 Academic 50 minutes Point Square: Odeon 6
(Academic)
1. Dr Amit Hazi – 'Xenomathematics'2. G. David Nordley – 'There Was A Young Lady Named Bright'3. Mason A. Porter – 'The Science of "Chaos"'

12:30 **'The Raksura Colony Tree': celebration!**
6270 Workshop 50 minutes Point Square: Warehouse Art Demo Area
'The Raksura Colony Tree' is a community art project for Dublin 2019, celebrating the worldbuilding in Martha Wells's Books of the Raksura series by creating part of a colony tree in fibre and thread. See the final result and celebrate with us what we've created in the run-up and during the Worldcon.
Constanze Hofmann (M)

12:30 **Concert: Daoirí Farrell**
6261 Concert 60 minutes CCD: Liffey-B (Second Stage)
Dublin-born traditional singer and bouzouki player Daoirí (pronounced 'Derry') Farrell has been described by some of the biggest names in Irish folk music as one of most important singers to come out of Ireland in recent years. After a promising debut album, *The First Turn*, back in 2009, Daoirí spent several years studying traditional music and performance across Ireland. While at the University of Limerick, Fintan Vallely introduced Daoirí to the singing of the late Liam Weldon – an encounter that was to prove formative to his sound and his approach to folk song.

In 2013 he won the All Ireland Champion Singer award at the Fleadh in Co. Derry, and in 2015 won the prestigious Danny Kyle Award at Celtic Connections in Glasgow with the line-up FourWinds.

In February 2017 the BBC announced that Daoirí Farrell had received three BBC Radio 2 Folk Award 2017 nominations – more than any other artist that year. He was subsequently asked to perform at the awards ceremony on 5 April at the Royal Albert Hall in London – broadcast live on BBC Radio 2 with highlights on BBC4 TV – and went on to win the Horizon Award for best newcomer and Best Traditional Track Award for 'Van Diemen's Land' from the album *True Born Irishman*.

His third album, *A Lifetime Of Happiness*, produced by Dónal Lunny was launched on 15 February 2019 with a sold-out show at Dublin's legendary An Góilín Club.
Mr Daoirí Farrell

12:30 **Monday – Children's Programme lunch break**
6294 Setup 90 minutes Spencer Hotel: Columba 1 & 2

12:30 **Reading: Jeannette Ng**
6258 Reading 20 minutes CCD: Liffey Room-3
Jeannette Ng

12:30 **Reading: Alec Nevala-Lee**
6255 Reading 20 minutes CCD: Wicklow Room-5
Alec Nevala-Lee

13:00 **Diane Duane: Tales from the Duck Factory**
6306 Talk 50 minutes CCD: Wicklow Hall-1
Diane Duane on writing for television animation and the differences in both creating scripts and the demands of the medium compared to live action. Diane lets you in on what she got away with and the shenanigans of her cohorts.
Keith Byrne (M), *Diane Duane*

13:00 **Blowin' in the wind: SFF and counterculture**
6321 Panel 50 minutes CCD: ECOCEM Room
Both SFF stories and counterculture music are opportunities to imagine a different society. When they intersect they illuminate how people act in times of upheaval and change. Protest songs such as John Lennon's 'Imagine' and Simon & Garfunkel's 'The Sun Is Burning' present visions of dramatically different futures. Were the 1960s and '70s the zenith of this style of music and fiction, or are modern creators putting their own twist on this valuable expression of vision?
Pádraig Ó Méalóid (M), *Renee Sieber*, *Rosanne Rabinowitz*

13:00 **Sharing the Squee! *The Promised Neverland***
6327 Fan Chat 50 minutes CCD: Wicklow Room-3
Grace Field House appears to be the perfect haven for orphans. The children has complete freedom to do whatever they want so long as they don't venture outside gates. The story begins when eleven year olds Emma, Norman, and Ray suddenly found out the dark truth about the world that the lived in. With season two already announced for 2020, let's chat about the events that happened in the anime and what the future could hold for these children.
Sakura Perez (M)

13:00 **Hugo: itsu desu ka?**
6324 Panel 50 minutes CCD: Wicklow Room-1
Many works which have been influenced by anime and manga have been Hugo Award finalists (such as *Pacific Rim*, *Scott Pilgrim vs the World*, and *My Little Pony*), but only one anime film was ever a finalist for Best Dramatic Presentation (*Spirited Away*, in 2003) and no manga ever made the shortlist for Best Graphic Story. What works have the Hugo voters missed? What should they be looking at for next year's nominations?
Lauren Carroll (M), *Nick Martell*, *Dakkar*, *El*

13:00 **Gaming with Steve Jackson – Monday**
6339 Game 120 minutes CCD: Liffey Hall 1 (Gaming)
Come and play tabletop games with game designer and Guest of Honour Steve Jackson. While everyone is welcome to play games in the Gaming Hall throughout the convention, these sessions guarantee that Steve will be in the room and ready to play!
Steve Jackson

13:00 **Holy forking shirtballs: *The Good Place* panel**
6303 Panel 50 minutes CCD: Wicklow Hall 2B
Over three constantly inventive seasons, *The Good Place* has established itself as one of the best – if not the best – telefantasy shows airing right now. In this panel, fans will discuss what it does so well, the implications of the revelations at the end of season three, and hopes for the future – both narratively and philosophically.
Abigail Nussbaum (M), *Alex Acks*, *Mr Ash Charlton*, *Jeffery Reynolds*, *Ginjer Buchanan*

13:00 **Keeping the show on the road: low Earth orbit and beyond**
6300 Panel 50 minutes CCD: Liffey Hall-2
You can get the bits and pieces to the space station, but can you keep it running? Whether in low earth orbit, on the moon in Project Artemis, or on Mars, you have to get the life support systems, resupplying of consumables, and janitorial functions all working. So how do you keep the machine well-oiled, the infrastructure working, and that show on the road?
Dave O'Neill (M), *Eric Choi*, *Dr. JA Grier*, *Michael Cassutt*

13:00 **Concert: Spider Robinson**
6333 Concert 50 minutes CCD: Wicklow Hall 2A
Join award-winning author Spider Robinson for a concert/sing-along/jam session. Bring your instruments and your voice to a fun-filled hour of song on the last afternoon of the convention!
Spider Robinson

13:00 **Autographs: Monday at 13:00**
6309 Autographing 50 minutes CCD: Level 4 Foyer
Daniel Kelly, *Ellen Kushner*, *Neil Williamson*, *Michelle Sagara*, *Ms Sylvia Spruck Wrigley*, *Angus Watson*

13:00 **Reading: Ian R. MacLeod**
6336 Reading 50 minutes CCD: Liffey Room-3
Ian R MacLeod

13:00 **Kaffeeklatsch: Alasdair Stuart**
6312 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Alasdair Stuart

13:00 **Kaffeeklatsch: Likhain**
6315 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Likhain

13:00 **Kaffeeklatsch: Katrina Archer**
6318 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Katrina Archer

13:00 **Reading: Juliet E. McKenna**
6330 Reading 20 minutes CCD: Wicklow Room-5
Juliet E McKenna

13:00 **Familiarity breeds... comics**
6342 Panel 50 minutes CCD: Liffey Room-2
There's no place like home. And that is why comic creators Bryan Talbot (*Alice in Sunderland*) and Declan Shalvey (*Savage Town*) chose to set their graphic novels in their respective home towns of Sunderland and Limerick. But was that decision an easy pitch to collaborators and retailers? Did any unexpected difficulties arise? And what did they learn about their homes that they had never known before?
Mr Declan Shalvey, *Bryan Talbot*

13:30 **Shifts in Irish mythology across the diaspora**
6366 Panel 50 minutes Point Square: Odeon 3
Since 1700, more than 9 million Irish people have emigrated to other parts of the world, taking their stories with them. Do those stories change in the telling the farther they travel? Are the myths shared in Australia or the Americas different to those told in Ireland? The panel will examine Irish mythology across the diaspora and whether distance causes a romanticisation of the source material.
Randee Dawn (M), *Jeffe Kennedy*, *Mark Tompkins*, *Paul Anthony Shortt*

13:30 **Challenges in men's costume**
6357 Panel 50 minutes Point Square: Alhambra
Inspirational sources for men to costume and cosplay are abundant, but the resources for making them far fewer compared to those available for women. Panellists discuss the challenges of costuming for men and male-presenting people, while sharing the useful, sometimes hard-to-find resources they have discovered.
Dr Kevin Hewett (M), *Kevin Roche*, *Derwin Mak*

13:30 **Today we stop the apocalypse!**
6360 Presentation 50 minutes Point Square: Odeon 5
How to destroy the planet and all of humanity today? Can we save ourselves? These questions will be discussed and solutions provided on how to construct a believable future for humanity in fiction and in reality. The discussion draws on new technologies and possible risks, apocalypse scenarios, and ways to mitigate catastrophic consequences on a global level. Come along to get scared and inspired and to develop your ideas for the next catastrophe plot.
Anna Gryaznova LL.M.

13:30 **Aftermath: cleaning up after superheroes and kaiju**
6363 Panel 50 minutes Point Square: Odeon 4
Who cleans up after the superheroes have defeated the 'bad guys'? How does one get picked for this job? What is it like to deal with exploded super-ordnance? We hear from the brave heroes who have survived the ordeal.
Robert Hood (M), *Lila Garrott*, *Alexander Dan Vilhjálmsson*

13:30 **Producing puppetry**
6369 Panel 50 minutes Point Square: Odeon 2
Puppetry crosses genres and media, bringing together physical art, storytelling, and live action from a small cardboard production stage to the silver screen. So what are the nuts and bolts of puppetry production? From original concept to final performance, our panel of experts share their advice, experiences, and stories about bringing puppetry to life – no strings attached.
Mary Robinette Kowal, *Maeve Clancy*, *Ian McDonald*

13:30 **Dystopias**
6372 Academic 50 minutes Point Square: Odeon 6 (Academic)
1. Ruth EJ Booth – 'The Problem with Adapting Ernest: Pop Culture Dystopia in Steven Spielberg's adaptation of Ernest Cline's *Ready Player One*'2. Prof Andrew Milner – 'Utopia in MaddAddam, MAEVA! and *New York 2140*'3. Melissa de Sá – 'Embracing a New Humanity in Dystopias by Women'

13:30 **Concert: Sassafras**
6354 Concert 50 minutes Point Square: Warehouse 2 - Performance space
Tales from Viking mythology set as close harmony a cappella music narrating the creation of the cosmos, the strife between Odin & Loki, and the coming of Ragnarok, plus other science fiction and fantasy themes. Composed by Ada Palmer (author of the Terra Ignota series).
Ada Palmer, *Lauren Schiller*

13:30 **Reading: Heather Rose Jones**
6351 Reading 20 minutes CCD: Wicklow Room-5
Heather Rose Jones

14:00 **Untranslated SFF**
6399 Panel 50 minutes CCD: ECOCEM Room
The world of SFF is often extremely anglocentric, but there is a wealth of speculative fiction from non-English-speaking countries that has yet to be translated, and may in fact never be available in English. What are we missing? How do publishers decide which works merit translation and which do not? Is English translation necessary for the success of SFF works or not? The panel will discuss their favourite untranslated works and the politics of translation.
Alexander Hong (M), *Lionel Davoust*, *Haruka Mugihara*, *Wataru Ishigame*, *Dr Shaima Alshareef*

14:00 **Rossetti to Rhee: the speculative and the poetic**
6402 Panel 50 minutes CCD: Wicklow Room-1
A panel where SFF poets will talk about SFF poetry and its unique challenges and freedoms, the traditions of the genre, where they see speculative poetry going in the future, and the connections between speculative poetry and speculative prose.
Eleanna Castroianni, *Marina Berlin*, *Hester J. Rook*, *Brandon O'Brien*

14:00 **GRRM: the Irish connections**
6414 Talk 80 minutes CCD: Liffey-B (Second Stage)
George R. R. Martin and Parris McBride Martin look at the connections in Ireland that the Martins have fostered, encouraged, and helped to create. They are joined by Wild Cards writer Peadar Ó Guilín and *Game of Thrones* storyboard artist William Simpson, moderated by Colm Lundberg.
Mr. Colm Lundberg (M), *George R.R. Martin*, *William Simpson*, *Peadar Ó Guilín*

14:00 **The influence of Irish music on filk**
6405 Panel 50 minutes CCD: Wicklow Room-2
Science fiction and fantasy are the key themes found in filk music, the music of the fannish community. Join our panellists for a discussion of how this popular musical tradition has been influenced by Irish instruments, trad tunes, and its haunting themes.
Deirdre M Murphy, *Chris Wozney*, *Bill Sutton*

14:00 **Music and instruments: then, now and otherwhen**
6381 Talk 50 minutes CCD: Wicklow Hall-1
How do they get those vibes out of that thing? What sets the toes to tapping in another timeline? Musical magic, formal inventions, fictional songs, and instruments in stories.
Eva L. Elasigue

14:00 **Kaffeeklatsch: GoHs Bill and Mary Burns**
6387 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Bill Burns, *Mary Burns*

14:00 **New Zealand space programme**
6375 Presentation 50 minutes CCD: Liffey Hall-2
Just how did an out-of-the-way place such as New Zealand acquire a space programme? See and hear what is going on in a country more famous for sheep and Lord of the Rings movies.
Simon Litten

14:00 **Kaffeeklatsch: Dr. Bradford Lyau**
6390 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Dr. Bradford Lyau

14:00 **Deep-sea corals: the strangest wonders**
6378 Talk 50 minutes CCD: Wicklow Hall 2B
Raissa Hogan, an oceanographer and PhD student, presents information on her work studying the strange wonders of deep-sea corals off Irish waters, using the Irish deep-water ROV *Holland I* during several cruises on the *Celtic Explorer* (the larger of the two state-owned research vessels run by the Marine Institute in NUIG). The data presented demonstrates that we have more diversity of deep-sea coral species in Irish waters than previously thought, and the evolution of the mitochondrial genome in *Pennatulacea* is far more varied, at least in deep-sea environments. This is based on a paper written by Raissa in conjuction with Kevin Hopkins, Chris Yesson, and A. Louise Allcock.
Raissa Hogan

14:00 **Autographs: Monday at 14:00**
6384 Autographing 50 minutes CCD: Level 4 Foyer
Holly Black, *Matthew Hughes*, *Paul Cornell*

14:00 **Kaffeeklatsch: Gabrielle de Cuir**
6393 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Gabrielle de Cuir

14:00 **Kaffeeklatsch: Tom Lehmann**
6396 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
Tom Lehmann

14:00 **Reading: Genevieve Cogman**
6408 Reading 20 minutes CCD: Wicklow Room-5
Genevieve Cogman

14:10 **Klingon speakers' meetup**
6417 Meetup 50 minutes CCD: Wicklow Room-3
A meetup for speakers of Klingon – native or otherwise. All levels of fluency welcome!

14:30 **Mythology in comics**
6444 Panel 50 minutes Point Square: Odeon 1
It would surprise many people to learn that Thor isn't traditionally beardless or blond, since that's how he has been portrayed in Marvel Comics for nearly 60 years. How have world mythologies influenced comics – and vice versa?
Paul Carroll (M), *D Franklin*, *Ms Sultana Raza*, *Charles Vess*

14:30 **Your next costume: 2D inspiration and 3D quandary**
6432 Panel 50 minutes Point Square: Odeon 4
How do you turn a beautiful image into an amazing costume when details are vague, the artist has taken liberties with the human form, or you have only one view of it? What's possible to make real and where might you have to make changes? How can you extrapolate what you cannot see? Panellists discuss techniques for making a two-dimensional image into something you can wear with pride.
Ariela Housman (M), *Janine Wardale*, *MIKI*

14:30 **Powering a future with a stable climate**
6438 Talk 50 minutes Point Square: Odeon 2
Burning fossil fuels currently generates both 85 percent of the world's energy and greenhouse gases that are disrupting global climate patterns. Using Ontario, Canada as an example, the speaker will review alternate power sources available to power our civilisation during the coming decades.
Dr David Stephenson

14:30 **Worldbuilding: the technology of the BrainTrust**
6435 Presentation 50 minutes Point Square: Odeon 3
The BrainTrust series of novels takes place on a fleet of cruise liners anchored off thecoast of San Francisco. This is classic hard science fiction, where the science is real. This talk would explore the technologies involved in building the BrainTrust fleet, from the fourth generation nuclear reactors to the role of recycling and the harvesting of the artificial reefs.
Marc Stiegler

14:30 **Worldcon book swap party**
6423 Meetup 110 minutes Point Square: Warehouse 2 - Performance space
End your Worldcon with a book swap party! Hosted by Novellic the book club app, unwind and meet fans and a host of SFF readers over a drink.Bring a book along (we encourage authors to bring one of your own), write a blurb telling us what made you love it, mingle, and browse for a new book to pick up to read on your journey home.
Miss Candide Kirk

14:30 **Irish myths and legends for children**
6429 Panel 50 minutes Point Square: Odeon 5
Ireland is rich with stories and legends that have been told and retold to children over the years. What is it about these stories that give them such staying power? What role do these tales fulfil in their original forms? And how do we keep them feeling fresh and new for the coming generations?
Ruth Frances Long (M), *Nigel Quinlan*, *Deirdre Thornton*, *Dr Claire Collins*, *Michael Scott*

14:30 **Bayeux 'Tapestry' embroidery techniques – session 2**
6426 Workshop 110 minutes Point Square: Warehouse Art Demo Area
The Bayeux 'Tapestry', a 70 metre (230 foot) long embroidery, illustrates events leading to the Battle of Hastings in England in 1066. This session will teach the three basic stitches used, with a history lecture and a handout on events from the death of Edward the Confessor to the coronation of William of Normandy. Under 16s welcome with parent. No previous experience needed. Sign-ups in advance will be required for this workshop (limited to 6 participants), with a small fee for supplies.
Terry Neill

14:30 **Academic track: review and close**
6441 Academic 50 minutes Point Square: Odeon 6 (Academic)
Communal review of the academic track. What was interesting? What areas were absent? How about publishing papers from the track? What's the role of the track in the future, including plans for ConNZealand in 2020?
Dr Mike Cosgrave, *Dr Douglas Van Belle*

14:30 **Reading: Daryl Gregory**
6420 Reading 20 minutes CCD: Wicklow Room-5
Daryl Gregory

15:00 **Would an Irish spaceport make sense?**
6447 Panel 50 minutes CCD: Liffey Hall-2
A northern spaceport makes sense for sun-synchronous polar orbits. Space station-type orbits are accessible for fly-back boosters. With the cost of orbital rockets no longer unreasonable, a spaceport in southern Ireland could be as well – or better – situated as any in continental Europe. Our panel discusses the possibilities.
Dr Inge Heyer (M), *Henry Spencer*, *G. David Nordley*, *Gillian Clinton*

15:00 **esports: the future of competition?**
6459 Panel 50 minutes CCD: ECOCEM Room
In 2018 the League of Legends World Championship final had almost 100 million viewers. While esports are slowly gaining more mainstream recognition, will they ever achieve the same mainstream acceptance and appeal as 'regular' sports? Our panellists discuss the attractions of esports – to play and to watch – and their future direction.
Brian Smith (M), *Yasser Bahjatt*, *Ms Cassie Parkes*, *Likhain*

15:00 **Israeli genre fiction: ancient culture, new tendencies**
6462 Panel 50 minutes CCD: Wicklow Room-2
Over the past two decades we can observe the development of a distinct voice within Israeli genre fiction, with diversity that has a unique Israeli core. Whereas in the past Israeli literature has tried to imitate foreign styles, today there is a unique approach to this writing. In this panel we will try to understand what the main features of Israeli SFF are and how they came to pass.
Naomi Libicki (M), *Ehud Maimon*, *Rotem Baruchin*, *Dr Keren Landsman*

15:00 **Sharing the squee: *The Ancient Magus' Bride***
6465 Fan Chat 50 minutes CCD: Wicklow Room-3
Chise Hatori has lived a difficult life, due to being a Sleigh Beggy; this caused supernatural creatures to flock to her wherever she went. Just when she had decided to give up on life, she suddenly found herself in the care of Elias Ainsworth, an ancient magus… With beautiful artwork, music, and (most importantly) a very engaging story, how did the author manage to incorporate western folklore seamlessly into the narrative?
Sakura Perez (M)

15:00 **Family Nerf battle**
6477 Children's Programme 50 minutes Spencer Hotel: Columba 1
Prepare for the ultimate battle: who will be the winners? The Children's Programme area will be converted into a battleground for two teams of children and adults. Who will capture the opposite team's flag and be declared the winners? Guns will be provided, but feel free to bring your own. This is a family event, so all children must be accompanied by an adult and all adults must be accompanied by a child – with a maximum ratio of two adults to three children.
John Nisbet, *James Shields*

15:00 **Forty years of the Force: fab or fail?**
6453 Panel 50 minutes CCD: Wicklow Hall-1
With the upcoming (supposed) finale to the Skywalker saga, we take a look back at how well the franchise has fared over the decades. Has the Disney purchase been good or bad? Are the legends material really a source of nourishment for eventual canon? And why do some fans prefer the prequels over the original trilogy?
Dr Boaz Karni-Harel (M), *John Coxon*, *Claudia Fusco*, *Jackie Kamlot*

15:00 **Bringing the Worldcon to a city near you!**
6474 Panel 50 minutes CCD: Liffey Room-2
Having a splendid time at Dublin 2019, an Irish Worldcon? Want to bring a Worldcon to a city near you? Our veteran conrunners will walk you through the practicalities, to set you up for success in bidding for, and then running, your future Worldcon.
Janice Gelb (M), *Helen Montgomery*, *Alan Stewart*, *Vincent Docherty*, *Jukka Särkijärvi*

15:00 **Volunteers meet the GoHs**
6456 Reception 75 minutesCCD: Level 5 Foyer (Green Room)
As the convention winds down, our hard-working volunteers will have the opportunity to meet and chat with Dublin 2019's Guests of Honour and Featured Artists. You can join them too! All you need to do is to visit Volunteers and offer your services. Volunteering is a great way to meet people (not just the Guests of Honour!), and there is a wide variety of ways to help. If you're reading this online, email volunteers@dublin2019.com for more information.

15:00 **Reading: Scott Edelman**
6471 Reading 20 minutes CCD: Liffey Room-3
Scott Edelman

15:00 **Reading: Ian Whates**
6468 Reading 20 minutes CCD: Wicklow Room-5
Ian Whates

15:00 **Martian landers**
6450 Presentation 50 minutes CCD: Wicklow Hall 2B
From Mars Pathfinder in 1997 to the Mars Science Laboratory rover Curiosity, the Jet Propulsion Laboratory has over 20 years of experience exploring the red planet with robotic vehicles. Come and hear Bridget Landry, a sequencer for 30 years, walk you through the history of mobile Mars exploration and the exciting things planned for the future.
Bridget Landry

15:20 **Oh, the costumer and cosplayer should be friends**
6480 Panel 50 minutes Point Square: Odeon 3
'Costume' and 'Cosplay': are they synonyms or different entities altogether? Are we just talking about the old/new guard in costume-wearing at conventions? Are there any real differences in the costumes worn or in the types of conventions where they're worn? Panellists may not come up with definitive answers, but come along for what will hopefully be a lively conversation.
Christine A Doyle MD (M), *Gérard Kraus*, *Ann Morris*

15:30 **Medical effects of radiological and nuclear weapons**
6489 Class 50 minutes Point Square: Odeon 2
Paul Hulkovich and Tricia Tynan (Ph.D) present a class on the medical effects of radiological and nuclear weapons.
Paul Hulkovich, *Tricia Tynan PhD*

15:30 **Reading: Emma Newman**
6486 Reading 20 minutes CCD: Liffey Room-3
Mrs Emma Newman

15:30 **Reading: Hal Duncan**
6483 Reading 20 minutes CCD: Wicklow Room-5
Hal Duncan

16:00 **Reading: Greer Gilman**
6495 Reading 20 minutes CCD: Liffey Room-3
Greer Gilman

16:00 **Reading: Alexander Dan Vilhjálmsson**
6492 Reading 20 minutes CCD: Wicklow Room-5
Alexander Dan Vilhjálmsson

16:30 **Closing Ceremonies**
6498 Event 50 minutes CCD: Auditorium
All good things must come to an end – and for Dublin 2019, an Irish Worldcon, that ending will come on Monday at 16:30. We will take a look back at the weekend that was, say farewell to our Guests of Honour, and get a sneak preview of what awaits us at the 2020 Worldcon, CoNZealand.
Eoin Colfer (M)

18:00 **Monday feedback: thanks for all the fish!**
6501 Panel 80 minutes CCD: Liffey Room-1
It's all done! (Well, there's still the dead dog…) Come and tell us what went well, and what went wrong, overall. We'll take your input and pass it on to the next Worldcons down the line – and, potentially, any future Irish Worldcon. Tell us how much you'd like to see another one in Ireland! And share your best memories.(What do you mean Douglas Adams wasn't Irish?!?)