

# Dublin 2019 Programme Schedule

## Wednesday 14 August

### 19:00 **Oppy or Armstrong? Autonomous vs human space exploration**

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, Alette de Bodard, Dr Inge Heyer, Geoffrey A. Landis*

## Thursday 15 August

### 10:00 **Live long and prosper: yoga and meditation for Trekkies (Day 1)**

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**

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!**

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**

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 <https://raksuracolonytree.home.blog>

*Constanze Hofmann (M)*

- 10:30 **Billy O'Shea book launch: Kingdom of Clockwork (Chinese translation)**  
 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**  
 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**  
 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**  
 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**  
 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**  
 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**  
 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**  
 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**  
 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**  
 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**  
 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**  
 Play 60 minutes CCD: Wicklow Hall 2A  
 Pete (the Cardinal) Cox – previously poet-in-residence of The Dracula Society – is bringing his 'spooked 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**  
 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**  
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**  
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**  
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**  
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**  
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**  
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**  
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?**  
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**  
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**  
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?**  
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**  
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**  
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**  
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**  
Reading 20 minutes CCD: Liffey Room-3  
*James Patrick Kelly*
- 12:00 **B Cubed Press book launch**  
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**  
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**  
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**  
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**  
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**  
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**  
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**  
Panel 50 minutes Point Square: Odeon 3  
Superheroes, dragons and spaceships are what kids often dream of drawing, but what do most illustrators actually get paid to draw? We look at life outside SFF, and how it can all feed back into better fantasy art.  
*Kaja Foglio, Oisin McGann, Rob Carlos*
- 12:30 **Pasts and futures**  
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: Metagenetic Time Travel’
- 12:30 **Geek! presented by the Socratic Theatre Collective**  
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**  
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**  
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 Buhkert, Lionel Davoust, J. Sharpe*
- 13:00 **If you like this then you’ll like that**  
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**  
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***  
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**  
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**  
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**  
Children's Programme 50 minutes Spencer Hotel: Columba 2 (Children's)  
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 and ideas with your friends.  
*John Nisbet*
- 13:00 **Ear wyrms**  
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**  
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 folk 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**  
 Reading 50 minutes CCD: ECOCEM Room  
*Jo Walton*
- 13:30 **Beginning voice for non-singers**  
 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***  
 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**  
 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**  
 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**  
 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**  
 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**  
 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**  
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**  
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**  
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**  
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**  
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**  
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**  
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**  
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**  
Panel 50 minutes CCD: Liffey Room-1  
Whether it's a library of every book ever written, a compendium of magical creatures, or a hitchhiker'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**  
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**  
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 Oisín Creaner*
- 14:00 **Franchise characters**  
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**  
Children's Programme 50 minutes Spencer Hotel: Columba 1 (Children's)  
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**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Prof Jocelyn Bell Burnell*
- 14:00 **Reading: Aliette de Bodard**  
Reading 20 minutes CCD: ECOCEM Room  
*Aliette de Bodard*
- 14:00 **Kaffeeklatsch: John Scalzi**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*John Scalzi*
- 14:00 **Kaffeeklatsch: Alan Smale**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Alan Smale*

- 14:00 **Kaffeeklatsch: Bella Pagan**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Bella Pagan*
- 14:00 **Kaffeeklatsch: Molly Ker Hawn**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Molly Ker Hawn*
- 14:00 **Autographs: Thursday at 14:00**  
Autographing 50 minutes CCD: Level 4 Foyer  
*Lisa Tuttle, Marc Stiegler, Marina J. Lostetter, Dr Sarah Tolmie, Veronica Roth*
- 14:00 **Kaffeeklatsch: Natasha Bardon**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Natasha Bardon*
- 14:00 **Concert: Lynn Gold**  
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**  
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**  
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**  
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**

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**

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**

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**

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**

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**  
 Reading 20 minutes CCD: ECOCEM Room  
*Sarah Rees Brennan*
- 15:00 **Current politics reflected in SFF**  
 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**  
 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**  
 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**  
 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**  
 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**  
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**  
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**  
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**  
Children's Programme 50 minutes Spencer Hotel: Columba 1 (Children's)  
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**  
Children's Programme 50 minutes Spencer Hotel: Columba 2 (Children's)  
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**  
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 workshopers 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**  
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**  
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**  
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**  
Reading 50 minutes CCD: Liffey Room-2  
*Holly Black*
- 15:00 **Kaffeeklatsch: A.J. Hackwith**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*A.J. Hackwith*
- 15:00 **Kaffeeklatsch: Annie Bellet**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Annie Bellet*
- 15:00 **Kaffeeklatsch: Ms Cassie Parkes**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Ms Cassie Parkes*
- 15:00 **Kaffeeklatsch: Bill Higgins**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Bill Higgins*
- 15:00 **Kaffeeklatsch: Jeremy Szal**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Jeremy Szal*
- 15:00 **Kaffeeklatsch: Afua Richardson**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Afua Richardson*
- 15:30 **How to manage finite natural resources**  
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?**  
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**  
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**  
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**  
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 Buhler*
- 15:30 **My friend, Phil**  
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**  
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**  
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**  
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**  
 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 Perrienne Lurie, Dr Keren Landsman, Heidi Lyshol*
- 16:00 **Creating podcasts: ideas, people, and themes**  
 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**  
 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**  
 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**  
 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**  
 Autographing 80 minutes Point Square: Mezzanine - Signing space  
 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**  
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**  
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 a maximum of 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**  
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?**  
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**  
Autographing 50 minutes CCD: Level 4 Foyer  
*Aliette de Bodard, Alan Smale, Carrie Patel, Nancy Kress, Stanley Qiufan Chen, Sean Hazlett*
- 16:00 **Reading: Kari Sperring**  
Reading 20 minutes CCD: Liffey Room-3  
*Kari Sperring*
- 16:00 **Kaffeeklatsch: Martha Wells**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Martha Wells*
- 16:00 **Kaffeeklatsch: Rie Sheridan Rose**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Rie Sheridan Rose*
- 16:00 **Kaffeeklatsch: Mr Declan Shalvey**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Mr Declan Shalvey*
- 16:00 **Kaffeeklatsch: Ruth Frances Long**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Ruth Frances Long*

- 16:00 **Kaffeeklatsch: Zen Cho**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Zen Cho*
- 16:30 **Trying on futures using science and art**  
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?**  
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**  
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**  
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**  
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](http://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)**  
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 Oisín Creaner (M)*

- 16:30 **The art of John Picacio**  
 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**  
 Reading 20 minutes CCD: Liffey Room-3  
*Lynda Rucker*
- 17:00 **Medieval textiles and textile crafts**  
 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**  
 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**  
 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?**  
 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**  
 Children's Programme 50 minutes Spencer Hotel: Columba 1 (Children's)  
 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**  
 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**  
 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**  
 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 away  
 2) Hold the book in front of you  
 3) Talk with individuals (one-to-one) in the room about what you enjoyed about the book  
 4) 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**  
 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**  
 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**  
 Reading 20 minutes CCD: Liffey Room-3  
*Gabrielle de Cuir*
- 17:00 **Kaffeeklatsch: Ada Palmer**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Ada Palmer*
- 17:00 **Kaffeeklatsch: Michelle Sagara**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Michelle Sagara*
- 17:00 **Literary Beer: Ellen Datlow**  
 Literary Beer 50 minutes CCD: Liffey-A  
*Ellen Datlow*
- 17:00 **Kaffeeklatsch: Dr Jack Fennell**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Dr Jack Fennell*
- 17:00 **Kaffeeklatsch: Shweta Taneja**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Shweta Taneja*

- 17:30 **Reading: Jaine Fenn**  
Reading 20 minutes CCD: Liffey Room-3  
*Jaine Fenn*
- 18:00 **Ireland on screen: the known and the hidden**  
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**  
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**  
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**  
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**  
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**  
Reading 50 minutes CCD: Liffey Room-3  
*Pat Cadigan*
- 18:00 **Literary Beer: Sara Felix**  
Literary Beer 50 minutes CCD: Liffey-A  
*Sara Felix*
- 18:00 **Literary Beer: Zaza Koshkadze**  
Literary Beer 50 minutes CCD: Liffey-A  
*Zaza Koshkadze*

- 18:30 **Illustration or fine art?**  
 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**  
 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 smartcreatures 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?**  
 Panel 50 minutes CCD: Liffey Hall-2  
 Science has been making remarkable 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**  
 Panel 50 minutes CCD: Wicklow Hall 2B  
 For authors of paranormal romance and SFF erotica, sex scenes sometimes have the added complexity of merging nonhuman bodies, emotions, and lifestyles. How have authors dealt with differing alien anatomy? How do predatory characters resist the urge to eat their lovers? How do witches avoid accidentally cursing their partners in the throes of passion? The possible pairings are endless!  
*Ciaran Roberts (M), Cat Marsters, Kat Harvey, K.M. Szpara*
- 19:00 **Creating wonderful new worlds**  
 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**  
 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**  
Reading 20 minutes CCD: Liffey Room-2  
*Ada Palmer*
- 19:00 **Literary Beer: Geoffrey A. Landis**  
Literary Beer 50 minutes CCD: Liffey-A  
*Geoffrey A. Landis*
- 19:00 **Literary Beer: Lee Harris**  
Literary Beer 50 minutes CCD: Liffey-A  
*Lee Harris*
- 19:30 **Reading: C. E. Murphy**  
Reading 20 minutes CCD: Liffey Room-2  
*CE Murphy*
- 20:00 **Does an AI need a body?**  
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**  
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**  
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**  
Literary Beer 50 minutes CCD: Liffey-A  
*Laurel Anne Hill*
- 20:00 **Literary Beer: Juliana Rew**  
Literary Beer 50 minutes CCD: Liffey-A  
*Juliana Rew*
- 20:00 **Reading: Kate Heartfield**  
Reading 20 minutes CCD: Liffey Room-3  
*Kate Heartfield*
- 20:30 **Reading: Ellen Kushner**  
Reading 20 minutes CCD: Liffey Room-3  
*Ellen Kushner*

- 21:00 **Making the asexual textual**  
 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**  
 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**  
 Concert 230 minutes CCD: Liffey Room-1
- 21:00 **Thursday filk circles 2**  
 Concert 230 minutes CCD: Liffey Room-2
- 22:00 **Concert: Erwin 'Filthy Pierre' Strauss**  
 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 16 August**

- 09:00 **Accessible yoga**  
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**  
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**  
Children's Programme 50 minutes Spencer Hotel: Columba 1 (Children's)  
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**  
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!**  
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**  
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**  
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**  
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**  
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**  
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 pseudoscience mess?  
*Stephen Nelson (M), Eugene Doherty, Sam Scheiner, Cristina Macia*
- 10:00 **YA book to film adaptation**  
Panel 50 minutes CCD: Wicklow Hall 2B  
We all know text to visual screen adaptations 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**  
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, Eli Schulman*
- 10:00 **Writing beyond king and colony**  
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**  
Children's Programme 50 minutes Spencer Hotel: Columba 2 (Children's)  
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**  
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**  
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**  
Autographing 50 minutes CCD: Level 4 Foyer

*Ginjer Buchanan*

10:00 **P/Faerie Tale – pop-up #2**  
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 Capricorn 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**  
Autographing 50 minutes CCD: Level 4 Foyer  
*Jo Walton, Michael Cassutt, Peter V. Brett, R.F. Kuang*
- 10:00 **Reading: Gregory Norman Bossert**  
Reading 20 minutes CCD: Liffey Room-3  
*Gregory Norman Bossert*
- 10:00 **Kaffeeklatsch: Brother Guy Consolmagno**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Brother Guy Consolmagno*
- 10:00 **Kaffeeklatsch: Simon R Green**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Simon R Green*
- 10:00 **Kaffeeklatsch: Kari Sperring**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Kari Sperring*
- 10:00 **Kaffeeklatsch: Sam Fleming**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Sam Fleming*
- 10:00 **Gravity's Arrow book launch – Jack Mann**  
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**  
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**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Stanley Qiufan Chen*
- 10:30 **Team-up: how scientists collaborate to solve the unsolvable**  
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**  
 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**  
 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**  
 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...**  
 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?**  
 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?**  
 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**  
 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**  
 Autographing 50 minutes Point Square: Mezzanine - Signing space  
*Catherynne Valente*

- 10:30 **Reading: Peter Morwood**  
Reading 20 minutes CCD: Liffey Room-3  
*Peter Morwood*
- 11:00 **Problematic favourites and the death of the author**  
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**  
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**  
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**  
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**  
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**  
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**  
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**  
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**  
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**  
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**  
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**  
Children's Programme 50 minutes Spencer Hotel: Columba 1 (Children's)  
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**  
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**  
Reading 20 minutes CCD: Liffey Room-2  
*Rebecca Roanhorse*
- 11:00 **Autographs: Friday at 11:00**  
Autographing 50 minutes CCD: Level 4 Foyer  
*Mary Robinette Kowal, Juliet E McKenna, P C Hodgell, David Demchuk, Laura Lam, Eva L. Elsigue*
- 11:00 **Kaffeeklatsch: Dr. Tom Easton**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Dr. Tom Easton*

- 11:00 **Kaffeeklatsch: Joe Abercrombie**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Joe Abercrombie*
- 11:00 **Kaffeeklatsch: Jon Courtenay Grimwood**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Jon Courtenay Grimwood*
- 11:00 **Kaffeeklatsch: Julie Crisp**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Julie Crisp*
- 11:00 **Kaffeeklatsch: Regina Kanyu Wang**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Regina Kanyu Wang*
- 11:00 **Kaffeeklatsch: Meg Davis**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Meg Davis*
- 11:00 **Kaffeeklatsch: Michael Scott**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Michael Scott*
- 11:00 **Queer fans' meetup**  
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 heteronormativity 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?**  
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**  
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**  
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**  
 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?**  
 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**  
 Children's Programme 50 minutes Spencer Hotel: Columba 2 (Children's)  
 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**  
 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**  
 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**  
 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**  
 Reading 20 minutes CCD: Liffey Room-2  
*Victoria "V.E." Schwab*
- 11:30 **Autographs: Gail Carriger**  
 Autographing 50 minutes Point Square: Mezzanine - Signing space  
*Gail Carriger*

- 11:30 **Trunk Line book 2: *Fetch!* book launch – Dave O’Neill**  
 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***  
 Book launch 60 minutes Point Square: Warehouse 2 - Performance space  
 Join us and 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 light refreshments.  
*Gustavo Bondoni*
- 12:00 **Bridging the language barrier: translated SFF**  
 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**  
 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**  
 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**  
 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, but where are we now, nearly a decade later? The panel will discuss fantasy inspired by 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**  
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 move away 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**  
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**  
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**  
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**  
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**  
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 Hjørvar Petersen, Nina Allan*
- 12:00 **Autographs: Friday at 12:00**  
Autographing 50 minutes CCD: Level 4 Foyer  
*Seanan McGuire, Martha Wells, Fran Wilde, Manny Frishberg, Jonathan Strahan*
- 12:00 **Kaffeeklatsch: James Patrick Kelly**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*James Patrick Kelly*
- 12:00 **Kaffeeklatsch: Lisa Tuttle**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Lisa Tuttle*

- 12:00 **Kaffeeklatsch: Rob Carlos**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Rob Carlos*
- 12:00 **Kaffeeklatsch: Madeline Ashby**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Madeline Ashby*
- 12:00 **Kaffeeklatsch: Robert S Malan**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Robert S Malan*
- 12:00 **Reading: Kate Elliott**  
Reading 20 minutes CCD: Liffey Room-3  
*Kate Elliott*
- 12:30 **Groundbreaking women in science**  
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**  
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**  
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**  
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**  
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**  
 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**  
 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**  
 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**  
 Setup 90 minutes Spencer Hotel: Columba 1 (Children's)
- 12:30 **Friday – Children’s Programme lunch break**  
 Setup 90 minutes Spencer Hotel: Columba 2 (Children's)
- 12:30 **Reading: Taiyo Fujii**  
 Reading 20 minutes CCD: Liffey Room-3  
*Taiyo Fujii*
- 12:30 **Autographs: John Scalzi**  
 Autographing 50 minutes Point Square: Mezzanine - Signing space  
*John Scalzi*
- 13:00 **Transatlantic communication cables with Bill Burns**  
 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 ultimately 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**  
 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?**  
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**  
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**  
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, Premea Mohamed*
- 13:00 **The challenges of trans-temporal romance**  
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**  
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**  
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**  
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**  
 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**  
 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**  
 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)**  
 Concert 20 minutes Point Square: Warehouse 2 - Performance space  
 Brimstone Rhime 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**  
 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**  
 Reading 50 minutes CCD: Liffey Room-2  
*Becky Chambers*
- 13:00 **Kaffeeklatsch: Seanan McGuire**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Seanan McGuire*
- 13:00 **Kaffeeklatsch: Bridget Duffy-Thorn**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Bridget Duffy-Thorn*
- 13:00 **Kaffeeklatsch: Jim Fitzpatrick**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Jim Fitzpatrick*
- 13:00 **Kaffeeklatsch: Karl Schroeder**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Karl Schroeder*

- 13:00 **Kaffeeklatsch: Paolo Bacigalupi**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Paolo Bacigalupi*
- 13:30 **Earth Abides 2.0: what happens post-apocalypse**  
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!**  
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**  
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**  
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?**  
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**  
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**  
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 does the term 'fan art' mean to you?  
*Sue Mason (M), Ariela Housman, Meg Frank, Teddy Harvia, Likhain*
- 13:30 **Ethics and exploration**  
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**  
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**  
Autographing 50 minutes Point Square: Mezzanine - Signing space  
*Sana Takeda*
- 14:00 **Cultural appropriation: a product of a shrinking world?**  
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?**  
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**  
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**  
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. Elasiague*

- 14:00 **Improbable research and the Ig Nobel Prizes**  
 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.  
*Gerí Sullivan (M), Liz Zitzow, Mason A. Porter, Dave O'Neill*
- 14:00 **You have to laugh: humour in YA**  
 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**  
 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...**  
 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**  
 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**  
 Children's Programme 50 minutes Spencer Hotel: Columba 1 (Children's)  
 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.  
*Oisín McGann*
- 14:00 **An interview with Parris McBride and George R. R. Martin**  
 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**  
 Reception 50 minutes 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**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Jeanette Epps*
- 14:00 **Filk and geek music as a career**  
 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**  
 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 Dublin 2019's academic track. This is her first Worldcon.  
*Natalie Ingram*
- 14:00 **Reading: Joe Abercrombie**  
 Reading 20 minutes CCD: ECOCEM Room  
*Joe Abercrombie*
- 14:00 **Autographs: Friday at 14:00**  
 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**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Jeannette Ng*
- 14:00 **Kaffeeklatsch: Rafeeat Aliyu**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Rafeeat Aliyu*
- 14:00 **Kaffeeklatsch: Eyal Kless**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Eyal Kless*
- 14:00 **Kaffeeklatsch: Jonathan Strahan**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Jonathan Strahan*
- 14:00 **Kaffeeklatsch: Peter Morwood**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Peter Morwood*

- 14:00 **Fans of colour meetup**  
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**  
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, cis, 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**  
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 Perrienne Lurie, Sam Scheiner, Christine A Doyle MD*
- 14:30 **Sword & Laser book club**  
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**  
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**  
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**  
Children's Programme 50 minutes Spencer Hotel: Columba 2 (Children's)  
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**  
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**  
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**  
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: Grindewald’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**  
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 <https://raksuracolonytree.home.blog>  
*Constanze Hofmann (M)*
- 14:30 **Concert: Mark Bernstein**  
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**  
Reading 20 minutes CCD: ECOCEM Room  
*R.F. Kuang*
- 14:30 **Autographs: Pat Rothfuss**  
Autographing 50 minutes Point Square: Mezzanine - Signing space  
*Patrick Rothfuss*
- 15:00 **Dublin 2019 fountain pen meetup**  
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**  
 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**  
 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**  
 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**  
 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**  
 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**  
 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?**  
 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**  
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**  
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**  
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**  
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**  
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**  
Autographing 50 minutes CCD: Level 4 Foyer  
*Rivers Solomon, Lee Moyer, Becky Chambers, Scott Edelman, Tina Connolly, Jaine Fenn*
- 15:00 **Reading: Karl Schroeder**  
Reading 20 minutes CCD: Liffey Room-3  
*Karl Schroeder*
- 15:00 **Kaffeeklatsch: Greer Gilman**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Greer Gilman*
- 15:00 **Kaffeeklatsch: Liz Gorinsky**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Liz Gorinsky*
- 15:00 **Kaffeeklatsch: Mick Schubert**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Mick Schubert*

- 15:00 **Kaffeeklatsch: Michael Rowley**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Michael Rowley*
- 15:00 **Kaffeeklatsch: Mur Lafferty**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Mur Lafferty*
- 15:00 **Kaffeeklatsch: Peadar Ó Guilín**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Peadar Ó Guilín*
- 15:30 **Kick-ass women on SF TV**  
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**  
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 *The 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, Premea Mohamed, Juliana Rew*
- 15:30 **Why did Einstein want a better refrigerator?**  
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**  
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**  
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**  
Children's Programme 50 minutes Spencer Hotel: Columba 2 (Children's)  
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**  
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?**  
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**  
Academic 50 minutes Point Square: Odeon 6 (Academic)  
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**  
Autographing 50 minutes Point Square: Mezzanine - Signing space  
*Charles Stross*
- 15:30 **Reading: Sarah Gailey**  
Reading 20 minutes CCD: Liffey Room-3  
*Sarah Gailey*
- 16:00 **Using SFF as sandboxes for ideas on politics and society**  
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**  
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**  
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**  
 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**  
 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'**  
 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?**  
 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**  
 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**  
 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**  
 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)**  
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**  
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**  
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**  
Reading 20 minutes CCD: Liffey Room-3  
*Jon Courtenay Grimwood*
- 16:00 **Kaffeeklatsch: Anne Charnock**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Anne Charnock*
- 16:00 **Kaffeeklatsch: Navah Wolfe**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Navah Wolfe*
- 16:00 **Kaffeeklatsch: Gail Carriger**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Gail Carriger*
- 16:00 **Kaffeeklatsch: Mary Robinette Kowal**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Mary Robinette Kowal*
- 16:00 **Kaffeeklatsch: Kieron Gillen**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Kieron Gillen*
- 16:00 **Kaffeeklatsch: Rachel Hartman**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Rachel Hartman*
- 16:00 **Kaffeeklatsch: Scott Edelman**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Scott Edelman*
- 16:30 **Riverdale and Sabrina: small town Gothic**  
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**

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**

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**

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?**

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**

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**

Workshop

50 minutes

Point Square: Odeon 6 (Academic)

Business Info Systems, UCC

Authors: 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**  
Reading 20 minutes CCD: Liffey Room-3  
*Catherynne Valente*
- 16:30 **Autographs: Peter Beagle**  
Autographing 50 minutes Point Square: Mezzanine - Signing space  
*Peter Beagle*
- 17:00 **Comparable futurist movements**  
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**  
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**  
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**  
 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 do post-colonial SFF authors reconcile the many facets of their identities in their 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'**  
 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**  
 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**  
 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**  
 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**  
 Children's Programme 120 minutes Spencer Hotel: Columba 1 (Children's)  
 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**  
 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!**  
 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**  
 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**  
 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**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Grace P. Fong*
- 17:00 **Kaffeeklatsch: Holly Black**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Holly Black*
- 17:00 **Kaffeeklatsch: Lee Moyer**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Lee Moyer*
- 17:00 **Kaffeeklatsch: Kathleen Lawrence**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Kathleen Lawrence*
- 17:00 **Kaffeeklatsch: Dr Kristina Perez**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Dr Kristina Perez*
- 17:00 **Kaffeeklatsch: Paul Cornell**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Paul Cornell*
- 17:00 **Kaffeeklatsch: Stephen Cass**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Stephen Cass*
- 17:00 **Transgender and non-binary meetup**  
 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**  
 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**  
 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**  
 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**  
 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**  
 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**  
 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**  
 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**  
 Literary Beer 50 minutes CCD: Liffey-A  
*Ian McDonald*

- 18:00 **Literary Beer: GoH Ginjer Buchanan**  
Literary Beer 50 minutes CCD: Liffey-A  
*Ginjer Buchanan*
- 18:00 **Dr. Krell & The Carnyx of Terror**  
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**  
Reading 20 minutes CCD: Liffey Room-3  
*Julia Rios*
- 18:00 **Neurodiversity meetup**  
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**  
Reading 20 minutes CCD: Liffey Room-3  
*Alex Acks*
- 19:00 **Speculative biology: an evolving field**  
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 on Earth?
  - How might life on Earth have turned out differently if events had occurred 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**  
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**  
 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**  
 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**  
 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**  
 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, quebécois 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**  
 Reading 20 minutes CCD: Liffey Room-3  
*Anne Charnock*
- 19:00 **Literary Beer: Ian Watson**  
 Literary Beer 50 minutes CCD: Liffey-A  
*Ian Watson*
- 19:30 **Reading: Lisa Tuttle**  
 Reading 20 minutes CCD: Liffey Room-3  
*Lisa Tuttle*
- 20:00 **Anniversary: *The Left Hand of Darkness* (book)**  
 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?**  
 Quiz/Gameshow 50 minutes CCD: Liffey Hall-2  
 Join the gang from the Viking Booty book club for a quiz with a difference! From billionaire 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**  
 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**  
 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**  
 Literary Beer 50 minutes CCD: Liffey-A  
*Steve Jackson*
- 20:00 **Reading: Naomi Kritzer**  
 Reading 20 minutes CCD: Liffey Room-3  
*Naomi Kritzer*
- 20:00 **Literary Beer: Charlie Jane Anders**  
 Literary Beer 50 minutes CCD: Liffey-A  
*Charlie Jane Anders*
- 20:30 **Concert: The Doubleclicks**  
 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**  
 Reading 20 minutes CCD: Liffey Room-3  
*Gareth Powell*
- 21:00 **Yes! Yes! Yes! Sex positivity in SFF**  
 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**  
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**  
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**  
Concert 170 minutes CCD: Liffey Room-1
- 21:00 **Friday filk circles 2**  
Concert 230 minutes CCD: Liffey Room-2
- 21:00 **Ceilidh dance**  
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 baldfolk, 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**  
Literary Beer 50 minutes CCD: Liffey-A  
*Geri Sullivan*
- 22:00 **Not beyond Tolkien**  
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**  
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**

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!**

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 17 August****08:30 parkrun Dublin**

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**

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**

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**

Children's Programme 50 minutes

Spencer Hotel: Columba 1 (Children's)

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**

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**

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**  
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**  
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**  
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**  
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**  
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**  
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**  
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**  
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**  
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**  
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**  
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**  
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...**  
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**  
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**  
Reading 20 minutes CCD: Liffey Room-3  
*Paul Cornell*
- 10:00 **Kaffeeklatsch: Gregory Norman Bossert**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Gregory Norman Bossert*

- 10:00 **Kaffeeklatsch: Juliet Mushens**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Juliet Mushens*
- 10:00 **Kaffeeklatsch: Andy Dudak**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Andy Dudak*
- 10:00 **Kaffeeklatsch: Anne Clarke**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Anne Clarke*
- 10:00 **Kaffeeklatsch: Ian R MacLeod**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Ian R MacLeod*
- 10:00 **Kaffeeklatsch: Rebecca Roanhorse**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Rebecca Roanhorse*
- 10:30 **Getting your hands dirty**  
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?**  
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**  
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**  
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**  
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**  
 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**  
 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 Puellas (M), Fred Gambino, Gerald M. Kilby, Dana L. Little, Tom Toner*
- 10:30 **YA**  
 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**  
 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**  
 Children's Programme 50 minutes Spencer Hotel: Columba 1 (Children's)  
 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**  
 Autographing 50 minutes Point Square: Mezzanine - Signing space  
*Sana Takeda*
- 10:30 **Reading: Simon R. Green**  
 Reading 20 minutes CCD: Liffey Room-3  
*Simon R Green*
- 11:00 **Irish cons: our past and our future**  
 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**  
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?**  
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, Rafeeat Aliyu*
- 11:00 **Critics talk 2018: the year in books**  
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**  
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**  
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**  
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**  
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**  
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**  
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***  
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**  
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**  
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**  
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**  
Reading 20 minutes CCD: Liffey Room-3  
*Adrian Tchaikovsky*
- 11:00 **Autographs: Saturday at 11:00**  
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**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Lex Beckett*
- 11:00 **Kaffeeklatsch: Marieke Nijkamp**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Marieke Nijkamp*
- 11:00 **Kaffeeklatsch: Phil Foglio**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Phil Foglio*
- 11:00 **Kaffeeklatsch: Fran Wilde**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Fran Wilde*
- 11:00 **Kaffeeklatsch: Mrs Emma Newman**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Mrs Emma Newman*
- 11:00 **Kaffeeklatsch: Yoon Ha Lee**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Yoon Ha Lee*
- 11:30 **Fantastic buildings and where to find them**  
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**  
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!**  
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**  
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**  
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**  
Children's Programme 50 minutes Spencer Hotel: Columba 2 (Children's)  
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**  
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**  
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**  
Reading 20 minutes CCD: Liffey Room-3  
*Martha Wells*
- 11:30 **Autographs: Mur Lafferty**  
Autographing 50 minutes Point Square: Mezzanine - Signing space  
*Mur Lafferty*
- 11:30 **EAAPES (Feminist & Queer Extra-Solar Alternatives)**  
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**  
 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**  
 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**  
 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**  
 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**  
 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**  
 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**  
 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**  
 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**  
 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**  
 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**  
 Reading 50 minutes CCD: Liffey Room-3  
*Michael Swanwick*
- 12:00 **Autographs: Saturday at 12:00**  
 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**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Carrie Vaughn*
- 12:00 **Kaffeeklatsch: Dr Wanda Kurtçu**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer
- 12:00 **Kaffeeklatsch: Naomi Kritzer**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Naomi Kritzer*
- 12:00 **Kaffeeklatsch: Peter V. Brett**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Peter V. Brett*
- 12:00 **Kaffeeklatsch: Maquel A. Jacob**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Maquel A. Jacob*

- 12:00 **Academic poster presentations**  
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**  
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 Bialy (M), Bartek Żak, Tomasz Kozłowski, Jan Rożewski*
- 12:30 **Artists and authors collaborating**  
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**  
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" Leikoma (M), Rachel Coleman, Katherine Jay, Fionnuala Murphy, Kat Kourbeti*
- 12:30 **The mathematics of music**  
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**  
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**  
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**  
 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**  
 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**  
 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 <https://raksuracolonytree.home.blog>  
*Constanze Hofmann (M)*
- 12:30 **Mythmaking workshop**  
 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**  
 Setup 90 minutes Spencer Hotel: Columba 1 (Children's)
- 12:30 **Saturday – Children's Programme lunch break**  
 Setup 90 minutes Spencer Hotel: Columba 2 (Children's)
- 12:30 **Autographs: Joe Haldeman**  
 Autographing 50 minutes Point Square: Mezzanine - Signing space  
*Mr Joe Haldeman*
- 12:30 **Francesco Verso book launch: Future Fiction**  
 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**  
 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**  
 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**  
 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**  
 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**  
 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**  
 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**  
 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**  
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**  
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**  
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**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Steve Jackson*
- 13:00 **Autographs: Saturday at 13:00**  
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**  
Reading 20 minutes CCD: Liffey Room-3  
*Fran Wilde*
- 13:00 **Kaffeeklatsch: Catherynne Valente**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Catherynne Valente*
- 13:00 **Kaffeeklatsch: K.M. Szpara**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*K.M. Szpara*
- 13:00 **Kaffeeklatsch: Rebecca Gomez Farrell**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Rebecca Gomez Farrell*
- 13:00 **Kaffeeklatsch: Dr. Norah Patten**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Dr. Norah Patten*
- 13:30 **The global multiverse: the comics scene worldwide**  
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 Buhkert, Fulvio Gatti*

- 13:30 **The business of webcomics**  
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**  
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**  
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!**  
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**  
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**  
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**  
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**  
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**  
Reading 20 minutes CCD: Liffey Room-3  
*Marie Brennan*
- 13:45 **Concert: John McDaid**  
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](http://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**  
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**  
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**  
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**  
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**  
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!**  
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**  
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 (limited to 8 people).  
*Sazib Bhuiyan*
- 14:00 **Behind the scenes: bringing fantastic theatre to life**  
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**  
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**  
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**  
Children's Programme 50 minutes Spencer Hotel: Columba 2 (Children's)  
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.  
*Oisín McGann*
- 14:00 **Meet the GoHs: Ginjer Buchanan and Diane Duane**  
Reception 50 minutes 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**

Autographing

80 minutes

Point Square: Mezzanine - Signing space

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**

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**

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**  
 Children's Programme 50 minutes Spencer Hotel: Columba 1 (Children's)  
 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**  
 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**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Patrick Nielsen Hayden, Teresa Nielsen Hayden*
- 14:00 **Kaffeeklatsch: Diana M. Pho**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Diana M. Pho*
- 14:00 **Kaffeeklatsch: Matthew Hughes**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Matthew Hughes*
- 14:00 **Kaffeeklatsch: R.F. Kuang**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*R.F. Kuang*
- 14:00 **Kaffeeklatsch: Sarah Rees Brennan**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Sarah Rees Brennan*
- 14:00 **Kaffeeklatsch: Sean Hazlett**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Sean Hazlett*
- 14:00 **Reading: Nancy Kress**  
 Reading 20 minutes CCD: ECOCEM Room  
*Nancy Kress*
- 14:30 **Quack medical devices: a show & tell**  
 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**  
 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**  
 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**  
 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**  
 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**  
 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**  
 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**  
 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**  
 Reading 20 minutes CCD: ECOCEM Room  
*Naomi Novik*
- 14:45 **Concert: T. J. Burnside Clapp**  
 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**  
 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**  
 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**  
 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 Hjørvar Petersen, James Smythe, Nicolette Stewart*
- 15:00 **GoH talk: a fireside chat with Diane Duane**  
 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**  
 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**  
 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**  
 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**  
 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**  
 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), Alette de Bodard, Karl Schroeder, George Sandison, Nina Allan*
- 15:00 **Building inclusion and equity into genre**  
 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?**  
 Children's Programme 50 minutes Spencer Hotel: Columba 1 (Children's)  
 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**  
 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**  
 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, 12:00:00 AM, Ulla Niini, Sæde 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 VanhalaBookbindress Mari Vehkaluoto*
- 15:00 **Autographs: Afua Richardson**  
 Autographing 50 minutes CCD: Level 4 Foyer  
*Afua Richardson*

- 15:00 **Reading: Charles Stross**  
Reading 20 minutes CCD: ECOCEM Room  
*Charles Stross*
- 15:00 **Autographs: Saturday at 15:00**  
Autographing 50 minutes CCD: Level 4 Foyer  
*Darcie Little Badger, Corinne Duyvis, Stark Holborn, Neil Clarke, Michael Swanwick*
- 15:00 **Kaffeeklatsch: Peter Beagle**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Peter Beagle*
- 15:00 **Kaffeeklatsch: Roz Kaveney**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Roz Kaveney*
- 15:00 **Kaffeeklatsch: Carrie Patel**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Carrie Patel*
- 15:00 **Kaffeeklatsch: John R. Douglas**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*John R. Douglas*
- 15:00 **Kaffeeklatsch: Miriam Weinberg**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Miriam Weinberg*
- 15:00 **People of African descent meetup**  
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**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Kate Elliott*
- 15:30 **Bayeux 'Tapestry' embroidery techniques – session 1**  
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**  
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**  
 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**  
 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 the test of time.  
*Bryan Talbot (M), Kaja Foglio, Ms Sultana Raza*
- 15:30 **Crafting your fandom**  
 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**  
 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**  
 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**  
 Children's Programme 50 minutes Spencer Hotel: Columba 2 (Children's)  
 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**  
 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)**  
 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**  
 Autographing 50 minutes Point Square: Mezzanine - Signing space  
*Charles Vess*
- 15:30 **Reading: Yoon Ha Lee**  
 Reading 20 minutes CCD: ECOCEM Room  
*Yoon Ha Lee*
- 15:30 **Robots before *RUR***  
 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**  
 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**  
 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**  
 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**  
 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**  
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**  
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 Captan 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**  
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**  
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 stars, 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**  
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?**  
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**  
Autographing 50 minutes CCD: Level 4 Foyer  
*Diane Duane, Ian McDonald*

- 16:00 **Editors panel: challenges and anecdotes**  
 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**  
 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**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Mary Turzillo*
- 16:00 **Kaffeeklatsch: Atlin Merrick**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Atlin Merrick*
- 16:00 **Kaffeeklatsch: Alexandra Rowland**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Alexandra Rowland*
- 16:00 **Kaffeeklatsch: Ellen Kushner**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Ellen Kushner*
- 16:00 **Kaffeeklatsch: Paddy Lennon**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Paddy Lennon*
- 16:00 **Kaffeeklatsch: Sarah Pinsker**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Sarah Pinsker*
- 16:30 **Blurred media**  
 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**  
 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?**  
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**  
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**  
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**  
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**  
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**  
Autographing 50 minutes Point Square: Mezzanine - Signing space  
*Jim Fitzpatrick*
- 17:00 **Luddites of SF**  
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**  
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**  
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**  
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?**  
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**  
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**  
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**  
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**  
Children's Programme 90 minutes Spencer Hotel: Columba 1 (Children's)  
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**  
Event 110 minutes CCD: Liffey-B (Second Stage)  
The Vault is back and for its fifteenth goryous 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**  
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)**  
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**  
Reading 20 minutes CCD: Liffey Room-3  
*Ellen Klages*
- 17:00 **Autographs: Saturday at 17:00**  
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**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Jo Walton*
- 17:00 **Kaffeeklatsch: Gillian Redfearn**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Gillian Redfearn*
- 17:00 **Kaffeeklatsch: Henry Spencer**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Henry Spencer*

- 17:00 **Kaffeeklatsch: S.A. Chakraborty**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*S.A. Chakraborty*
- 17:00 **Literary Beer: Dr Shaun Duke**  
Literary Beer 50 minutes CCD: Liffey-A  
*Dr. Shaun Duke*
- 17:00 **Literary Beer: Joe Haldeman**  
Literary Beer 50 minutes CCD: Liffey-A  
*Mr Joe Haldeman*
- 17:00 **Kaffeeklatsch: Dr Inge Heyer**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Dr Inge Heyer*
- 17:00 **Kaffeeklatsch: Michael Swanwick**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Michael Swanwick*
- 17:30 **Protest and resistance in fiction and reality**  
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?**  
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**  
Reading 20 minutes CCD: Liffey Room-3  
*Dr Sarah Tolmie*
- 17:30 **NewCon Press book launch**  
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**  
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**  
 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**  
 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**  
 Literary Beer 50 minutes CCD: Liffey-A  
*Bill Burns, Mary Burns*
- 18:00 **Children's books: the gateway drug**  
 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**  
 Literary Beer 50 minutes CCD: Liffey-A  
*Prof Jocelyn Bell Burnell*
- 18:00 **Reading: GoH Diane Duane**  
 Reading 50 minutes CCD: Liffey Hall-2  
*Diane Duane*
- 18:00 **Reading: GoH Ian McDonald**  
 Reading 50 minutes CCD: Wicklow Hall-1  
*Ian McDonald*
- 19:00 **The appeal of the gumshoe in SFF**  
 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**  
 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**  
Panel 50 minutes CCD: Liffey Room-2  
For too long, with honourable exceptions, the 'generic' YA protagonist was white, non-disabled, cis het, 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**  
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**  
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**  
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**  
Reading 20 minutes CCD: Liffey Room-3  
*E. Lily Yu*
- 19:00 **Literary Beer: Mary Anne Mohanraj**  
Literary Beer 50 minutes CCD: Liffey-A  
*Mary Anne Mohanraj*
- 19:00 **Literary Beer: Victoria 'V. E.' Schwab**  
Literary Beer 50 minutes CCD: Liffey-A  
*Victoria "V.E." Schwab*

- 19:30 **Reading: P. C. Hodgell**  
 Reading 20 minutes CCD: Liffey Room-3  
*P C Hodgell*
- 20:00 **Authors and social media: friends or foes?**  
 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**  
 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**  
 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**  
 Media 150 minutes Other: Fringe  
 George R. R. Martin will attend a screening of the classic SF film *Forbidden Planet* (1965) 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**  
 Literary Beer 50 minutes CCD: Liffey-A  
*Diane Duane*
- 20:00 **Concert: The Library Bards**  
 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?**  
 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**  
 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**  
 Reading 20 minutes CCD: Liffey Room-3  
*Dr Theodora Goss*
- 20:00 **Literary Beer: Gary K. Wolfe**  
 Literary Beer 50 minutes CCD: Liffey-A  
*Gary K Wolfe*
- 20:30 **Reading: Nina Allan**  
 Reading 20 minutes CCD: Liffey Room-3  
*Nina Allan*
- 21:00 **Panel show: 'That was unexpected!'**  
 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**  
 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**  
 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**  
 Concert 230 minutes CCD: Liffey Room-1

- 21:00 **Saturday filk circles 2**  
Concert 230 minutes CCD: Liffey Room-2
- 21:00 **Literary Beer: Pat Cadigan**  
Literary Beer 50 minutes CCD: Liffey-A  
*Pat Cadigan*
- 21:00 **Literary Beer: Elizabeth Bear**  
Literary Beer 50 minutes CCD: Liffey-A  
*Elizabeth Bear*
- 22:00 **Cats in SFF**  
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**  
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'**  
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!  
*John Scalzi (M)*
- 22:05 **The ins and outs of SFF erotica [over 18s]**  
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!**  
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 18 August**

- 09:00 **Live long and prosper: yoga and meditation for Trekkies (Day 2)**  
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**  
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**  
Children's Programme 30 minutes Spencer Hotel: Columba 1 (Children's)  
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**  
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**  
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 the appeal 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**  
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**  
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**  
 Children's Programme 50 minutes Spencer Hotel: Columba 2 (Children's)  
 A workshop for children aged 9-12. An interactive scientific inquiry about the Earth-Moon relationship, challenging classic misconceptions. Children will use both their own bodies and spheres to model the Earth-Moon system.  
*Dr. Estelle Blanquet*
- 10:00 **How to start a podcast**  
 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**  
 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**  
 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**  
 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?**  
 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**  
 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**  
 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**  
 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**  
 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**  
 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**  
 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**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Christine Taylor-Butler*
- 10:00 **Reading: Lex Beckett**  
 Reading 20 minutes CCD: Liffey Room-3  
*Lex Beckett*
- 10:00 **Kaffeeklatsch: Benjamin C. Kinney**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Benjamin C. Kinney*
- 10:00 **Kaffeeklatsch: David Demchuk**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*David Demchuk*

- 10:00 **Kaffeeklatsch: Eva L. Elsigue**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Eva L. Elsigue*
- 10:00 **Kaffeeklatsch: Devin Madson**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Devin Madson*
- 10:30 **The author as a fellow traveller on the hero's journey**  
 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**  
 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**  
 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**  
 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**  
 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!**  
 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**  
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**  
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, 12:00:00 AM, 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**  
Autographing 50 minutes Point Square: Mezzanine - Signing space  
*Robert Silverberg*
- 10:30 **Reading: Libia Brenda**  
Reading 20 minutes CCD: Liffey Room-3  
*Libia Brenda*
- 11:00 **Orville vs Discovery**  
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**  
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**  
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**  
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**  
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**  
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**  
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**  
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**  
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**  
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**  
Children's Programme 120 minutes Spencer Hotel: Columba 1 (Children's)  
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**  
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**  
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, Oisín McGann*
- 11:00 **Make your Mini Masquerade costume**  
Children's Programme 300 minutes Spencer Hotel: Columba 1 (Children's)  
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**  
Children's Programme 50 minutes Spencer Hotel: Columba 1 (Children's)  
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**  
Children's Programme 50 minutes Spencer Hotel: Columba 1 (Children's)  
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**  
Reading 20 minutes CCD: Liffey Room-3  
*Peadar Ó Guilín*
- 11:00 **Autographs: Sunday at 11:00**  
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**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Darcie Little Badger*
- 11:00 **Kaffeeklatsch: Marie Brennan**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Marie Brennan*
- 11:00 **Kaffeeklatsch: P C Hodgell**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*P C Hodgell*
- 11:00 **Kaffeeklatsch: Ellen Klages**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Ellen Klages*

- 11:00 **Kaffeeklatsch: John Picacio**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*John Picacio*
- 11:00 **Kaffeeklatsch: George Sandison**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*George Sandison*
- 11:30 **Logistics of space exploration**  
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**  
Panel 50 minutes Point Square: Odeon 5  
As 3D becomes increasingly easy to create and render 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**  
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**  
Children's Programme 50 minutes Spencer Hotel: Columba 2 (Children's)  
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**  
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**  
 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**  
 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**  
 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)**  
 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**  
 Reading 20 minutes CCD: Liffey Room-3  
*Roz Kaveney*
- 12:00 **Lost in translation: dubs vs subs**  
 Panel 50 minutes CCD: Liffey Room-1  
 Dubbed vs subbed is an age-old debate, especially among anime fans. Both undoubtedly 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**  
 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**  
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**  
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?**  
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**  
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 in genre fiction and consider their implications and accuracy.  
*Alasdair Stuart (M), Penny Jones, Dr Glyn Morgan, Devin Madson*
- 12:00 **The politics of horror**  
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**  
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**  
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**  
 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**  
 Paper 50 minutes CCD: Wicklow Room-4  
 Kathleen Hunt, *Vampires in Society* Bram 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**  
 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**  
 Reading 50 minutes CCD: Liffey Room-3  
*John Scalzi*
- 12:00 **Kaffeeklatsch: Jo Fletcher**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Jo Fletcher*
- 12:00 **Kaffeeklatsch: John Berlyne**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*John Berlyne*
- 12:00 **Kaffeeklatsch: E. Lily Yu**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*E. Lily Yu*
- 12:00 **Kaffeeklatsch: Ian Whates**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Ian Whates*
- 12:00 **Kaffeeklatsch: Cat Marsters**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Cat Marsters*
- 12:00 **Kaffeeklatsch: Steven Erikson**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Steven Erikson*
- 12:00 **Polyamory in theory and practice**  
 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**  
 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**  
 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?**  
 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**  
 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**  
 Talk 50 minutes Point Square: Odeon 2  
 What are the basic rules that govern all of 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**  
 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**  
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**  
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**  
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**  
Setup 90 minutes Spencer Hotel: Columba 1 (Children's)
- 12:30 **Autographs: Joe Hill**  
Autographing 50 minutes Point Square: Mezzanine - Signing space  
*Joe Hill*
- 13:00 **Older characters and older authors**  
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**  
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**  
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**  
 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**  
 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**  
 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?**  
 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**  
 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**  
 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**  
 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**  
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**  
Setup 60 minutes Spencer Hotel: Columba 2 (Children's)
- 13:00 **Autographs: Sunday at 13:00**  
Autographing 50 minutes CCD: Level 4 Foyer  
*Ada Palmer, Fonda Lee, Genevieve Cogman, Laura Antoniou*
- 13:00 **Reading: Sarah Pinsker**  
Reading 20 minutes CCD: Liffey Room-3  
*Sarah Pinsker*
- 13:00 **Kaffeeklatsch: Aliette de Bodard**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Aliette de Bodard*
- 13:00 **Kaffeeklatsch: Teddy Harvia**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Teddy Harvia*
- 13:00 **Kaffeeklatsch: Delia Sherman**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Delia Sherman*
- 13:00 **Kaffeeklatsch: Joshua Bilmes**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Joshua Bilmes*
- 13:00 **Kaffeeklatsch: Liza Trombi**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Liza Trombi*
- 13:00 **Kaffeeklatsch: Fulvio Gatti**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Fulvio Gatti*
- 13:30 **Diverse voices, better science**  
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**  
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?  
*Oisín McGann (M), Jim Fitzpatrick, Claudia Fusco, Ms Sultana Raza*

- 13:30 **Unashamed BIOS**  
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**  
Panel 50 minutes Point Square: Alhambra  
When people think about marketing and promotion for creators of any kind, 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 kinds of things that a writer should include on their website, things that are helpful and nice, and other things that should just never, ever, be done.  
*Lydia Gittins (M), David Demchuk, Sara-Jayne Slack, Ben Galley*
- 13:30 **Queering the worldbuilding**  
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**  
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**  
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**  
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**  
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**

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**

Reading

20 minutes

CCD: Liffey Room-3

*Ramsey Campbell*

14:00 **How national identity is portrayed in SFF**

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**  
 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**  
 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**  
 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*
- 14:00 **Born sexy yesterday**  
 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**  
 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**  
 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**  
 Children's Programme 50 minutes Spencer Hotel: Columba 2 (Children's)  
 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**  
 Reception 50 minutes 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**  
 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**  
 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**  
 Autographing 50 minutes CCD: Level 4 Foyer  
*William Simpson*
- 14:00 **Autographs: Sunday at 14:00**  
 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**  
 Reading 20 minutes CCD: Liffey Room-3  
*Mr Joe Haldeman*
- 14:00 **Kaffeeklatsch: David D. Levine**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*David D. Levine*
- 14:00 **Ditch Diggers podcast: live recording**  
 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**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Kate Baker*
- 14:00 **Kaffeeklatsch: Neil Clarke**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Neil Clarke*
- 14:00 **Kaffeeklatsch: A. T. Greenblatt**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*A. T. Greenblatt*

- 14:00 **Kaffeeklatsch: Julie C. Day**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Julie C. Day*
- 14:00 **Kaffeeklatsch: Michi Trota**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Michi Trota*
- 14:30 **The Jetsons was my gateway SF**  
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**  
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**  
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**  
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**  
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 our panel 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**  
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**  
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**  
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**  
Autographing 80 minutes Point Square: Mezzanine - Signing space  
*Jeanette Epps*
- 14:30 **Reading: Rachel Hartman**  
Reading 20 minutes CCD: Liffey Room-3  
*Rachel Hartman*
- 15:00 **How pop culture portrays genius**  
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**  
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**  
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 in the 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, Claire Light*
- 15:00 **Trans-Atlantic fans for life: GoH interview with Bill and Mary Burns**  
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?**  
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**  
 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**  
 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**  
 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?**  
 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**  
 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**  
 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**  
 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**  
 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**  
 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**  
 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**  
 Reading 20 minutes CCD: Liffey Room-2  
*Scott Lynch*
- 15:00 **Kaffeeklatsch: Adrian Tchaikovsky**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Adrian Tchaikovsky*
- 15:00 **Kaffeeklatsch: Becky Chambers**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Becky Chambers*
- 15:00 **Kaffeeklatsch: Libia Brenda**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Libia Brenda*
- 15:00 **Kaffeeklatsch: Marcus Gipps**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Marcus Gipps*
- 15:00 **Kaffeeklatsch: Taiyo Fujii**  
 Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Taiyo Fujii*

- 15:30 **Isekai – the otherworld**  
 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**  
 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**  
 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**  
 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**  
 Children's Programme 30 minutes Spencer Hotel: Columba 2 (Children's)  
 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**  
 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**  
 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**  
 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**  
 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**  
 Reading 20 minutes CCD: Liffey Room-2  
*Elizabeth Bear*
- 16:00 **How to read aloud for performance**  
 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**  
 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**  
 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**  
 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**  
 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 see neurodiverse characters written.  
*Elsa Sjunneson-Henry (M), Terri Ash, Shweta Adhyam, Mikko Rauhala*

- 16:00 **Using science in fantasy writing**  
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 Behraves*
- 16:00 **What is Irish science fiction now?**  
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**  
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**  
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**  
Reading 50 minutes CCD: Liffey Room-3  
*Mary Anne Mohanraj*
- 16:00 **Kaffeeklatsch: Amal El-Mohtar**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Amal El-Mohtar*
- 16:00 **Alienised Identities**  
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**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Alex Acks*
- 16:00 **Kaffeeklatsch: Daryl Gregory**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Daryl Gregory*
- 16:00 **Kaffeeklatsch: Rande Dawn**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Rande Dawn*

- 16:00 **Kaffeeklatsch: Sultana Raza**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Ms Sultana Raza*
- 16:00 **Kaffeeklatsch: Nancy Kress**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Nancy Kress*
- 16:00 **Reading: Joe Hill**  
Reading 20 minutes CCD: Liffey Room-2  
*Joe Hill*
- 16:30 **Transferable skills**  
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?**  
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**  
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**  
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**  
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**  
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?**  
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**  
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?**  
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**  
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), Cat Marsters, Darlene Marshall, Elliott Kay*
- 17:00 **Workshop: Lang Belta (the language of *The Expanse*)**  
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**  
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**  
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 NicPhaidín, Dr Jack Fennell, Fionnuala Murphy*

- 17:00 **Mini Masquerade**  
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**  
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**  
Reading 20 minutes CCD: ECOCEM Room  
*Peter Beagle*
- 17:00 **Kaffeeklatsch: Eric Choi**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Eric Choi*
- 17:00 **Kaffeeklatsch: Michael Carroll**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Michael Carroll*
- 17:00 **Literary Beer: S. Spencer Baker**  
Literary Beer 50 minutes CCD: Liffey-A  
*S. Spencer Baker*
- 17:00 **Literary Beer: Stephen Jones**  
Literary Beer 50 minutes CCD: Liffey-A  
*Stephen Jones*
- 17:00 **Kaffeeklatsch: Laura Antoniou**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Laura Antoniou*
- 17:00 **Kaffeeklatsch: Sazib Bhuiyan**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Sazib Bhuiyan*
- 17:00 **Kaffeeklatsch: Sienna Saint-Cyr**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Sienna Saint-Cyr*
- 17:00 **Trailblazer: Anne McCaffrey's legacy and legend**  
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. Elastique (M), CE Murphy, Erin Wilcox, Eric Picholle, Sara-Jayne Slack*

- 17:30 **Parents and children in fandom**  
 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**  
 Reading 20 minutes CCD: ECOCEM Room  
*Sue Burke*
- 18:00 **Soundtracks for SFF film and TV**  
 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**  
 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**  
 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)**  
 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**  
 Reading 20 minutes CCD: Liffey Room-3  
*Carrie Vaughn*
- 18:00 **Literary Beer: Fred Gambino**  
 Literary Beer 50 minutes CCD: Liffey-A  
*Fred Gambino*
- 18:30 **Reading: Nick Wood**  
 Reading 20 minutes CCD: Liffey Room-3  
*Nick Wood*

- 19:00 **You're bard: drinking songs in genre fiction**  
 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**  
 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 past informed 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!**  
 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.  
*Illana Galadriel BAT (M), Gavia Baker-Whitelaw, Liekinloimu, Christopher Brathwaite*
- 19:00 **Is there any other life in the solar system?**  
 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**  
 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*
- 19:30 **Reading: Madeline Ashby**  
 Reading 20 minutes CCD: Liffey Room-3  
*Madeline Ashby*
- 20:00 **The 2019 Hugo Awards Ceremony**  
 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**  
 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**  
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**  
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**  
Reading 20 minutes CCD: Liffey Room-3  
*Matthew Hughes*
- 20:30 **Reading: Patrice Sarath**  
Reading 20 minutes CCD: Liffey Room-3  
*Patrice Sarath*
- 21:00 **Sunday filk circles 1**  
Concert 230 minutes CCD: Liffey Room-1
- 21:00 **Sunday filk circles 2**  
Concert 230 minutes CCD: Liffey Room-2
- 21:00 **Literary Beer: Dr Sara L. Uckelman**  
Literary Beer 50 minutes CCD: Liffey-A  
*Dr. Sara L. Uckelman*
- 22:00 **Concert: The Doubleclicks**  
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**  
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!**  
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 19 August**

- 09:00 **Stroll with the stars: Monday**  
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**  
Children's Programme 120 minutes Spencer Hotel: Columba 1 (Children's)  
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**  
Children's Programme 50 minutes Spencer Hotel: Columba 1 (Children's)  
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**  
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**  
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?**  
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 Vardomska (M), Renee Sieber, Prof Dave Lewis, Kevin Roche*
- 10:00 **Fanworks in YA**  
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**  
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), Oisín McGann, Conor Kostick, Ms Sylvia Spruck Wrigley*
- 10:00 **Irish folklore**  
Children's Programme 50 minutes Spencer Hotel: Columba 2 (Children's)  
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**  
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**  
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**  
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**  
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**  
Reading 50 minutes CCD: Liffey Room-2  
*Mary Robinette Kowal*
- 10:00 **Autographs: Monday at 10:00**  
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**  
Reading 50 minutes CCD: Liffey Room-3  
*Michelle Sagara*
- 10:00 **Kaffeeklatsch: C. E. Murphy**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*CE Murphy*
- 10:00 **Kaffeeklatsch: Kenneth Schneyer**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Prof. Kenneth Schneyer*
- 10:00 **Kaffeeklatsch: Naomi Novik**  
Kaffeeklatsch 50 minutes CCD: Liffey-A  
*Naomi Novik*
- 10:00 **Kaffeeklatsch: Alec Nevala-Lee**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Alec Nevala-Lee*
- 10:00 **Kaffeeklatsch: Beth Meacham**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Beth Meacham*
- 10:30 **Irish science and scientific discoveries**  
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 **Als and the female image**  
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**  
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**  
 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**  
 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**  
 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?**  
 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, neural 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**  
 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 fanish 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**  
 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**  
 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**  
 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 and how it can encourage interest in science and engineering; game designers and players discuss this trend.  
*Dr Bob (M), Tom Lehmann, Steve Jackson, Cristina Alves*
- 11:00 **Ask me about deathbuilding**  
 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**  
 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**  
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**  
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**  
Children's Programme 50 minutes Spencer Hotel: Columba 1 (Children's)  
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**  
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**  
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**  
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**  
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**  
Autographing 50 minutes CCD: Level 4 Foyer  
*Eoin Colfer*

- 11:00 **Autographs: Monday at 11:00**  
Autographing 50 minutes CCD: Level 4 Foyer  
*Eric Choi, Ian R MacLeod, Jeanine Tullos Hennig*
- 11:00 **Kaffeeklatsch: Fonda Lee**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Fonda Lee*
- 11:00 **Kaffeeklatsch: Sheila Williams**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Sheila Williams*
- 11:00 **Kaffeeklatsch: Greg Chivers**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Greg Chivers*
- 11:00 **Kaffeeklatsch: Dr Liz Bourke**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Dr Liz Bourke*
- 11:00 **Reading: Laura Lam**  
Reading 20 minutes CCD: Liffey Room-3  
*Laura Lam*
- 11:00 **Reading: Marina J. Lostetter**  
Reading 20 minutes CCD: Wicklow Room-5  
*Marina J. Lostetter*
- 11:30 **Ask me about my feminist agenda**  
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**  
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**  
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**  
 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**  
 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?**  
 Children's Programme 50 minutes Spencer Hotel: Columba 2 (Children's)  
 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**  
 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, Marieke Nijkamp*
- 11:30 **Celtic twilight**  
 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**  
 Reading 20 minutes CCD: Wicklow Room-5  
*Michael Scott*
- 11:30 **Reading: Charles Vess**  
 Reading 20 minutes CCD: Liffey Room-3  
*Charles Vess*
- 12:00 **Dragons, wyrms, and serpents: why the myth endures**  
 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**  
 Panel 50 minutes CCD: Wicklow Room-4  
 Many works of speculative fiction include verse within the story. What purpose does poetry serve 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?**  
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**  
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**  
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 DeGraft*
- 12:00 **Bollywood Fantasy**  
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**  
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**  
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**  
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**  
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**  
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**  
Autographing 50 minutes CCD: Level 4 Foyer  
*Bonnie Gordon, Xander Jeanneret, Nick Wood, Jim Doty PhD, Peadar Ó Guilín*
- 12:00 **Kaffeeklatsch: Marguerite Kenner**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Marguerite Kenner*
- 12:00 **Kaffeeklatsch: Ramsey Campbell**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Ramsey Campbell*
- 12:00 **Kaffeeklatsch: Stefan Rudnicki**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Stefan Rudnicki*
- 12:00 **Kaffeeklatsch: Cadwell Turnbull**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Cadwell Turnbull*
- 12:30 **Beyond Pluto to Ultima Thule: NASA's New Horizons**  
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**  
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**  
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**  
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**  
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 completely misrepresented the story it's supposed to be selling?  
*Rob Carlos (M), Peter V. Brett, Celine Kiernan, Cat Marsters*
- 12:30 **The life and times of Jim Fitzpatrick, artist**  
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**  
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!**  
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**  
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**  
Setup 90 minutes Spencer Hotel: Columba 1 (Children's)
- 12:30 **Monday – Children's Programme lunch break**  
Setup 90 minutes Spencer Hotel: Columba 2 (Children's)
- 12:30 **Reading: Jeannette Ng**  
Reading 20 minutes CCD: Liffey Room-3  
*Jeannette Ng*
- 12:30 **Reading: Alec Nevala-Lee**  
Reading 20 minutes CCD: Wicklow Room-5  
*Alec Nevala-Lee*
- 13:00 **Diane Duane: Tales from the Duck Factory**  
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**  
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***  
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 they 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?**  
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**  
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**  
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**  
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**  
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**  
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**  
Reading 50 minutes CCD: Liffey Room-3  
*Ian R MacLeod*
- 13:00 **Kaffeeklatsch: Alasdair Stuart**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Alasdair Stuart*
- 13:00 **Kaffeeklatsch: Likhain**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Likhain*
- 13:00 **Kaffeeklatsch: Katrina Archer**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Katrina Archer*

- 13:00 **Reading: Juliet E. McKenna**  
 Reading 20 minutes CCD: Wicklow Room-5  
*Juliet E McKenna*
- 13:00 **Familiarity breeds... comics**  
 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**  
 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**  
 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!**  
 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**  
 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 Vilhjálmsón*
- 13:30 **Producing puppetry**  
 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**  
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**  
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**  
Reading 20 minutes CCD: Wicklow Room-5  
*Heather Rose Jones*
- 14:00 **Untranslated SFF**  
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**  
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**  
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**  
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**  
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. Elasiq*

- 14:00 **Kaffeeklatsch: GoHs Bill and Mary Burns**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Bill Burns, Mary Burns*
- 14:00 **New Zealand space programme**  
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**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Dr. Bradford Lyau*
- 14:00 **Deep-sea corals: the strangest wonders**  
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 conjunction with Kevin Hopkins, Chris Yesson, and A. Louise Allcock.  
*Raissa Hogan*
- 14:00 **Autographs: Monday at 14:00**  
Autographing 50 minutes CCD: Level 4 Foyer  
*Holly Black, Matthew Hughes, Paul Cornell*
- 14:00 **Kaffeeklatsch: Gabrielle de Cuir**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Gabrielle de Cuir*
- 14:00 **Kaffeeklatsch: Tom Lehmann**  
Kaffeeklatsch 50 minutes CCD: Level 3 Foyer  
*Tom Lehmann*
- 14:00 **Reading: Genevieve Cogman**  
Reading 20 minutes CCD: Wicklow Room-5  
*Genevieve Cogman*
- 14:10 **Klingon speakers' meetup**  
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**  
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**  
 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**  
 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**  
 Presentation 50 minutes Point Square: Odeon 3  
 The BrainTrust series of novels takes place on a fleet of cruise liners anchored off the coast 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**  
 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**  
 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**  
 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**  
 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**  
Reading 20 minutes CCD: Wicklow Room-5  
*Daryl Gregory*
- 15:00 **Would an Irish spaceport make sense?**  
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?**  
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**  
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***  
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**  
Children's Programme 50 minutes Spencer Hotel: Columba 1 (Children's)  
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?**  
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!**  
 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**  
 Reception 75 minutes CCD: 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](mailto:volunteers@dublin2019.com) for more information.
- 15:00 **Reading: Scott Edelman**  
 Reading 20 minutes CCD: Liffey Room-3  
*Scott Edelman*
- 15:00 **Reading: Ian Whates**  
 Reading 20 minutes CCD: Wicklow Room-5  
*Ian Whates*
- 15:00 **Martian landers**  
 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**  
 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**  
 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**  
 Reading 20 minutes CCD: Liffey Room-3  
*Mrs Emma Newman*
- 15:30 **Reading: Hal Duncan**  
 Reading 20 minutes CCD: Wicklow Room-5  
*Hal Duncan*

- 16:00 **Reading: Greer Gilman**  
Reading 20 minutes CCD: Liffey Room-3  
*Greer Gilman*
- 16:00 **Reading: Alexander Dan Vilhjálmsón**  
Reading 20 minutes CCD: Wicklow Room-5  
*Alexander Dan Vilhjálmsón*
- 16:30 **Closing Ceremonies**  
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!**  
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?!?)