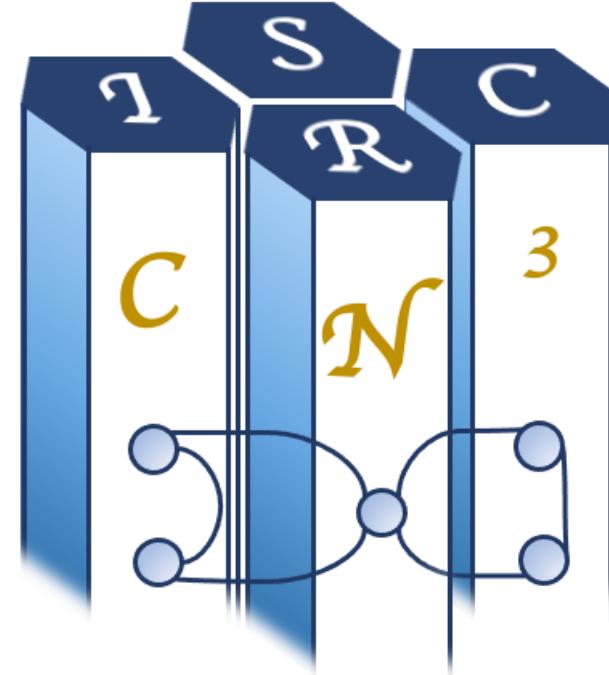
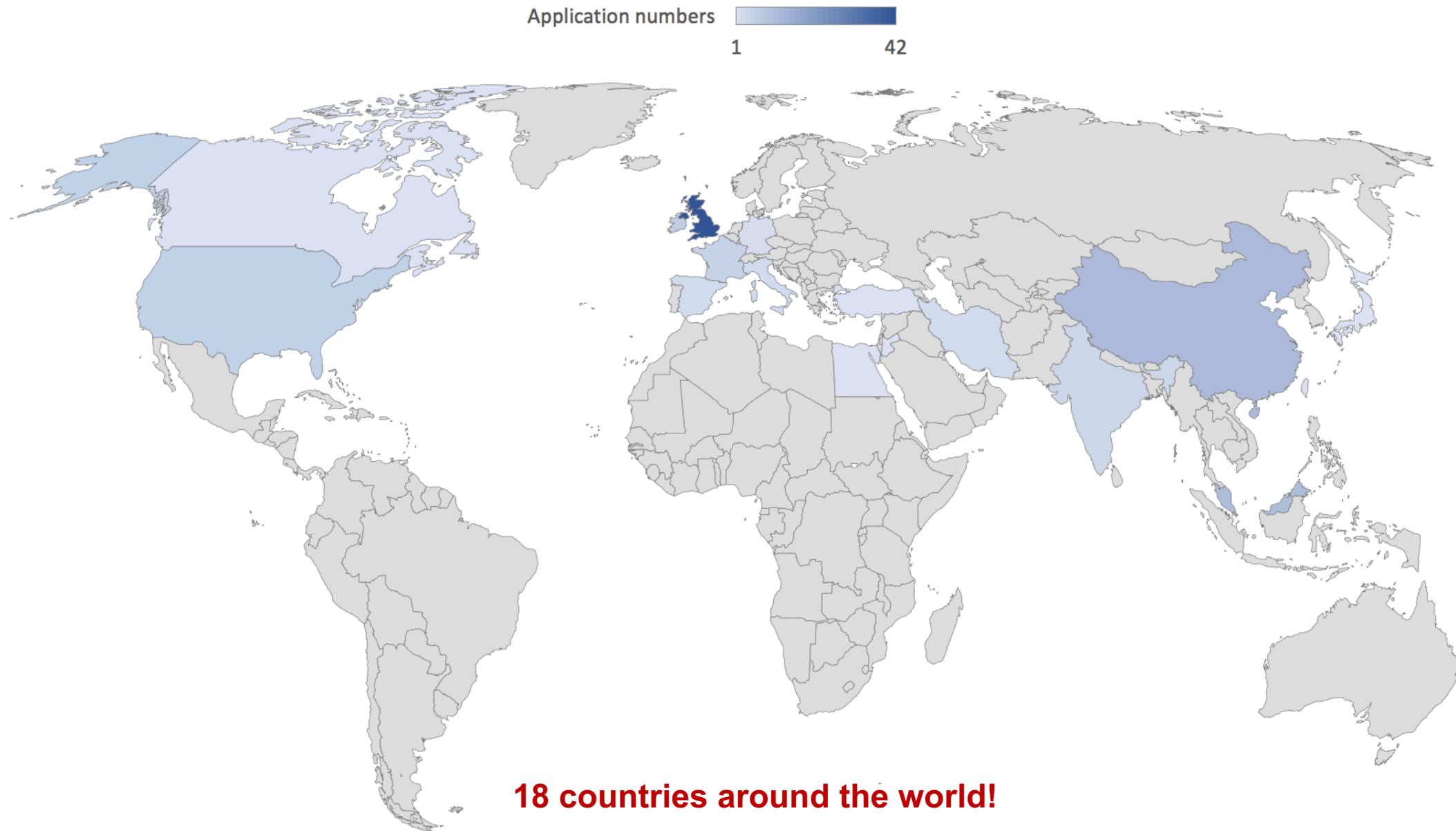


Ulster University  
Intelligent Systems Research Centre  
Computational Neuroscience,  
Neurotechnology & Neuro-inspired AI  
(ISRC-CN<sup>3</sup>)  
Autumn School

25-29 October 2021



# Where are the applicants?



# Attendees for 2021



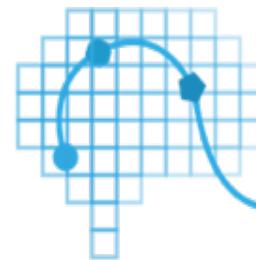
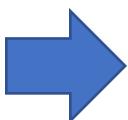
# Housekeeping

- Latest update of the information booklet available on GitHub (<https://github.com/ISRC-CN3> )
- The GitHub link will be where the Autumn School's resources will be stored and made available
- Online attendees: Please turn off your microphone when not speaking
- Complete the online survey, if not done so
- In-person attendees:
  - On arrival on Monday 25th October please complete registration at Reception
  - At the foyer, please collect your Intelligent Systems Research Centre (ISRC) card (to get in and out of buildings and rooms) and other packages
  - Each morning, please sign-in at the foyer of the ISRC building and sanitize your hands when entering the building - there is a booklet near the window for signing
  - External visitors please obtain temporary username and password from me during coffee and tea break, for accessing computers in our computer lab for the evening lab sessions
  - Please adhere to COVID-19 rules (see information booklet)
  - Coffee & tea breaks, lunches and dinners will be held at the dining room in ground floor of ISRC, there will be a one-way system in place to facilitate this
  - Thursday dinner will be held at the City Hotel, Derry at 7:30pm

# Join as member



IEEE Circuits and Systems Society  
IEEE Computational Intelligence Society  
IEEE Computer Society  
IEEE Electron Devices Society  
IEEE Engineering in Medicine and Biology Society  
IEEE Magnetics Society  
IEEE Signal Processing Society  
IEEE Solid-State Circuits Society  
IEEE Systems, Man, and Cybernetics Society



IEEE  
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Become part of the world of **computational intelligence!** Benefit from the many opportunities of expanding and updating your knowledge, sharing results of your activities, developing new knowledge and professional practices, networking with your peers, and promoting your career.





British  
**Neuroscience**  
Association



## Northern Ireland Local Group

<https://www.bna.org.uk/>

<https://neuroscienceireland.com/>

*Stay tuned!*

**Contact: Elaine Murray ([e.murray@ulster.ac.uk](mailto:e.murray@ulster.ac.uk)), Ulster University**

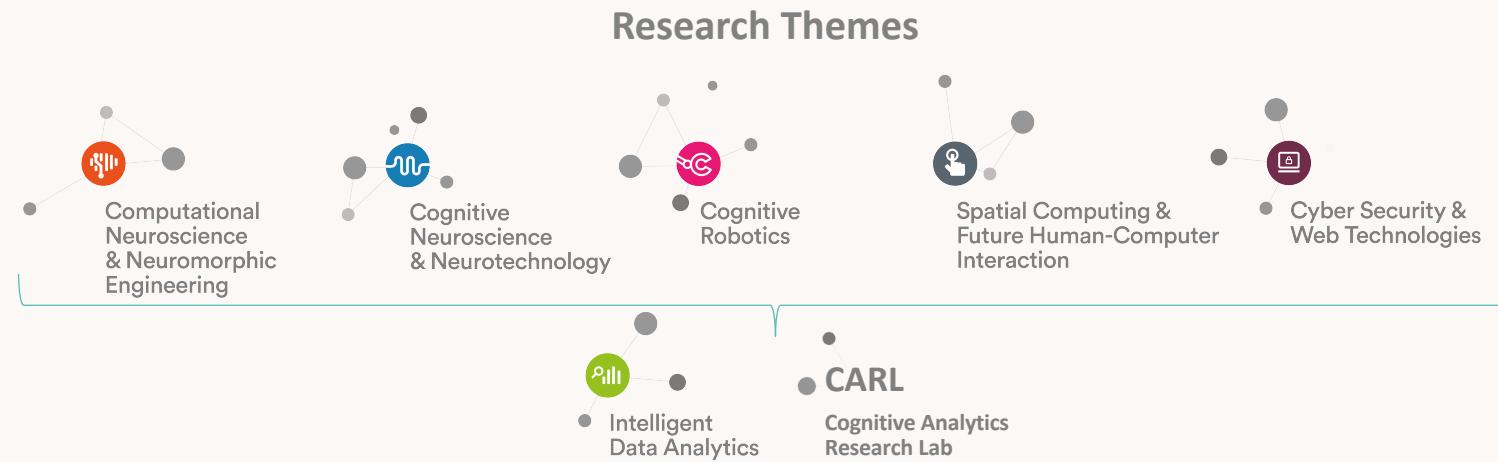




Intelligent  
Systems  
Research  
Centre



## Intelligent Systems Research Centre



## Facilities



- Northern Ireland Functional Brain Mapping facility houses the only magnetoencephalography (MEG) system in Ireland
- Brain-Computer Interface Lab
- Magnetic Shielded Rooms x 2



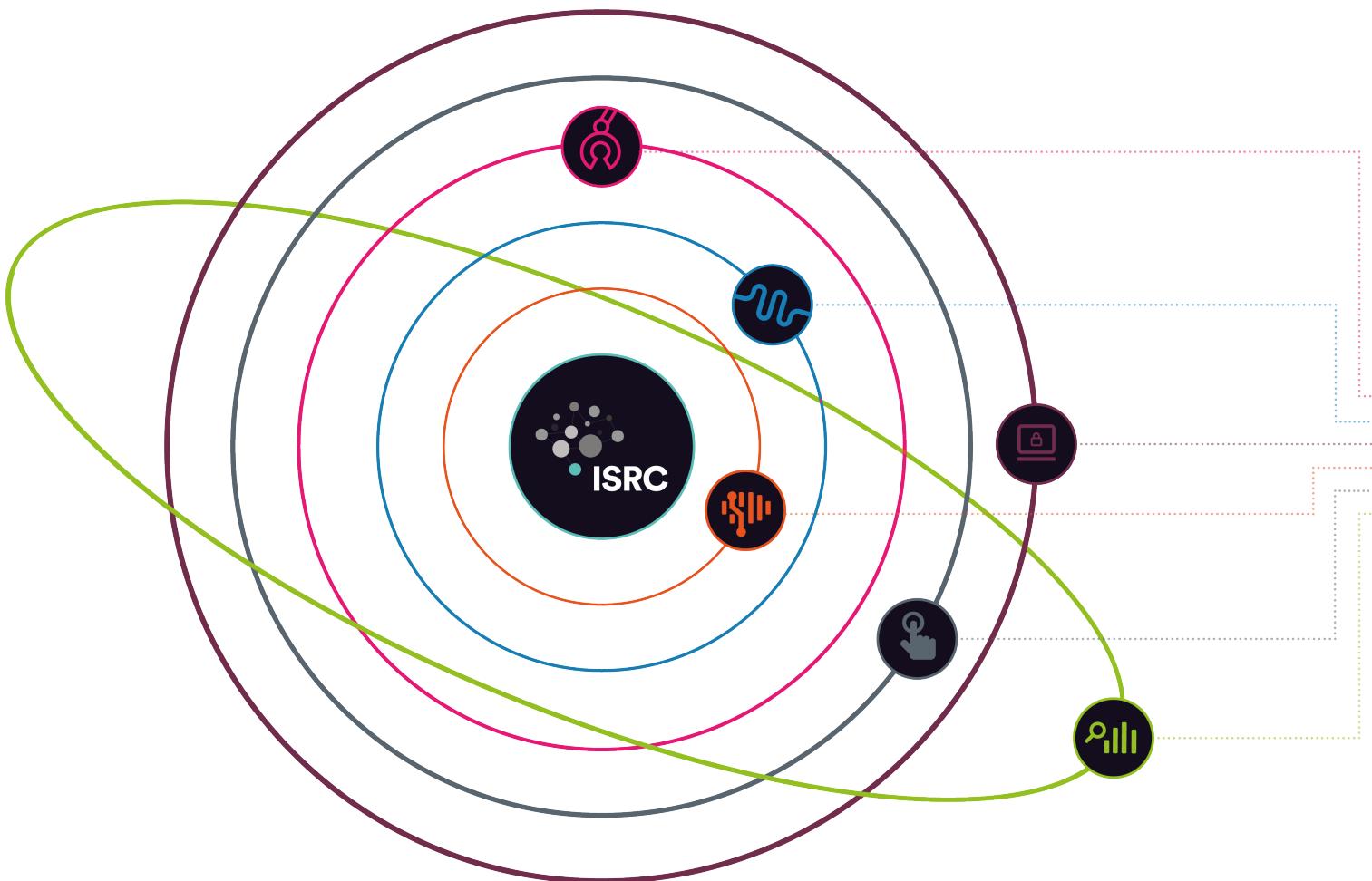
- Spatial Computing & Neurotechnology Innovation Hub for next generation computing and human computer interaction
- Advanced Cognitive Robotics lab

## Vision

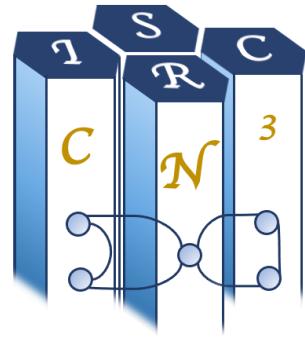
Our vision is to develop a bio-inspired computational basis for Artificial Intelligence.

Director, Prof Damien Coyle  
Professor of Neurotechnology  
Intelligent Systems Research Centre  
Magee Campus | Derry | BT48 7JL  
T: +44 (0)28 7167 5170  
E: dh.coyle@ulster.ac.uk  
W: [www.ulster.ac.uk/irsc](http://www.ulster.ac.uk/irsc)





1. Computational Neuroscience & Neuromorphic Engineering
2. Cognitive Neuroscience & Neurotechnology
3. Cognitive Robotics
4. Spatial Computing & Future Human-Computer Interaction
5. Cyber Security & Web Technologies
6. Intelligent Data Analytics



- Upskilling “Brain and AI” focused researchers
- Targeting PhD researchers and early career researchers and developers
- Improve timely project/PhD programme completions – those that require knowledge from multiple disciplines
- Covering a broad range of interlinked topics quickly
- Enable more confidence in researching beyond your discipline and across multiple disciplines
- Showcase ISRC research and emphasise our openness for collaboration
- Off course building networks and collaboration partners – learning from others

Enjoy