Call for Papers
The 19th RIA/URSI Research Colloquium on
Radio Science and Communications
26 - 27 October 2022
Royal Irish Academy, Academy House, 19 Dawson Street, Dublin 2

Wireless technology is a key enabling technology in the realisation of the “Smarter World”, the coherent integration of multiple ICT and IoT technologies in order to yield important societal, economic and academic benefits. This Colloquium is intended to bring together the academic and industrial community working in research and development in this field to share the fruits of their research – insights, developments, innovations and results on recent wireless technology advances for personal and ubiquitous radio communications. Contributions are sought describing work of high scientific novelty or strong application significance around this broad theme.

Technical areas of interest include, but are not limited to:

- Wireless communications
- Internet of Things
- Cognitive radio & SDR
- Novel/reconfigurable transceiver architectures
- Millimetre-wave / TeraHertz
- Antennas & Propagation
- Micro/nano systems, device technologies, RF-MEMS
- Nanoscale wireless comms
- Evolving wireless broadband
- Device, circuit or system-level modelling & simulation
- Power amplifiers & linearisation
- Subsystems - filters, mixers, switches, synthesisers
- Metamaterials & emerging materials for RF & comms
- Wireless sensor systems & networks
- Smart grid communications
- Mobile wireless backhaul
- Green wireless ICT, WPT
- Spectrum utilisation
- Wireless in biomedical diagnostics
- Ultrawideband & multiband
- M2M, vehicular & automotive communications
- Intelligent buildings
- Packaging, integration, testing
- Industrial, medical, e-Health or scientific applications

Prospective contributors are invited to submit a two-page (electronic) summary of a proposed contribution (including diagrams and references) by Friday, 5 August 2022 through the EDAS website https://edas.info/N29784, using the IEEE conference paper templates http://www.ieee.org/conferences_events/conferences/publishing/templates.html. Contributions will be reviewed by a Technical Programme Committee and authors notified by 25 September 2022. Accepted papers will be selected for oral or poster presentation at the Research Colloquium and will be included in the official archived colloquium proceedings. Contributors will be required to provide final electronic PDF versions of their papers (four pages maximum, including references) in advance by 5 October 2022, together with at least one full registration per paper.

Registration fees:
Full: €150; Early, before 5 October 2022: €125;
Student/Retired/Concession: €100; Early, before 5 October 2022: €85

Colloquium Organising / Technical Committee
Anding Zhu (General Chair)  Vincent Fusco  Dimitra Psychogiou
John Dooley (TPC Co-Chair)  Brendan Hayes  Jacqueline Walker
Xingqi Zhang (TPC Co-Chair)  Kevin McCarthy  Dmitry Zelenchuk
Max Ammann  Roger O'Connor  Síle Láine (Admin)
Ronan Farrell  Máirtín ÓDroma

Key dates:
Submission: 5 August 2022
Acceptance: 25 September 2022
Final Paper: 5 October 2022
Colloquium: 26-27 October 2022