



Call for Papers



18th Research Colloquium on

Radio Science and Communications for a Smarter World

8 - 9 March 2017

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, 25 November 2016** through the EDAS website <https://edas.info/listConferencesSubmit.php> (please log in and select the conference from the list provided), 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 January 2017. 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 8 February 2017, together with at least one full registration per paper.

Registration fees:

Full: €150; Early, before 8 February 2017: €125;

Student/Retired/Concession: €100; Early, before 8 February 2017: €85

Colloquium Organising / Technical Committee

Key dates:

Submission: 25 November 2016

Acceptance: 25 January 2017

Final Paper: 8 February 2017

Colloquium: 8-9 March 2017

Dr. C. Brennan (Organising Cttee Chair)

Dr. R Farrell (TPC Chair)

Dr. M. O'Droma

Prof. M. Ammann

Prof. T. Brazil

Dr. J. King

Dr. K. McCarthy

R. O'Connor

Prof. V. Fusco