CALL FOR PAPERS

ISSC 2018

About Belfast

Belfast is one of Europe's most friendly and fashionable regional capitals. Described by Lonely Planet as a 'best place to visit' in 2018, it was also voted one of the world's top 10 destinations by National Geographic Traveler in 2012. Northern Ireland is renowned for its spectacular scenery, including the Giant's Causeway – a World Heritage site – its thriving cultural life, and the friendliness and hospitality of its people. It is also the location for most of the filming for the TV series, Game of Thrones.

About Queen's University

Queen's University's historic, city-based campus is set in south Belfast, 15 minutes' walk from the vibrant city centre. Travelling to and from Northern Ireland is easy and cheap. Other major UK cities are within an hour's flying time from Belfast's two airports and are serviced by multiple daily flights. Regular buses are easily available between Dublin city/airport to central Belfast.

Important Dates

Draft Manuscript submission:
February 26, 2018

Special Sessions Proposal:
February 12, 2018

Acceptance/Rejection Notice:
April 30, 2018

Final Manuscript Submission:
May 14, 2018

Originally founded in 1990 as a Colloquium in Digital Signal Processing and Control, the Irish Signals and Systems Conference (ISSC) is now a well reputed annual event on the Island of Ireland covering all aspects of signals and systems. Following its original inception, the focus of the conference remains on Signal Processing, Control and Automation, ICT related concepts, Systems Modelling, Design and Implementation for a wide range of applications. Queen's University Belfast will be hosting the 29th ISSC conference in 2018 and would like to take this opportunity to invite all researchers working in the general area of Signals and Systems to submit their research and actively participate in the conference. Technically sponsored by IEEE UK and Ireland Signal Processing Chapter, the scope of the conference generally covers the theory and applications of signals and systems in multiple disciplines. The following list covers some main aspects but is not exhaustive. All papers should be written in English and prepared in a two-column format. Standard submission will be 6 pages and additional pages will incur a supplementary charge.

The program committee will select high quality papers for oral and poster presentations based upon peer reviews. Brief industrial submissions are also welcome. Subject to the conference registration requirements all accepted papers will be published in the IEEEXplore Digital Library.

- Digital Signal Processing
- Robotics and Automation
- Robust and Adaptive Control
- Bio-inspired systems
- Distributed control systems
- Intelligent systems
- Multi-agent systems
- Networked control systems
- Modelling and system identification
- AI and Machine learning
- Unmanned Systems
- Embedded systems and their design
- Systems on a chip design
- Internet of things
- Wireless and optical communications
- Biomedical applications

- Cyber-physical systems
- Digital Manufacturing
- Unmanned systems
- Cyber security
- Deep learning
- Image and video processing
- VLSI, ASIC and FPGAs for signal processing
- Cloud computing
- Agricultural technologies
- Energy efficiency
- Smart grids
- Sensor networks
- Data analytics
- ICT in education
- Network Security
- Industry 4.0 applications