

The Tenth IEEE Sensor Array and Multichannel
Signal Processing Workshop (www.sam2018.org)

8th-11th July 2018, Sheffield, United Kingdom



Organising Committee

General Chairs

Wei Liu
University of Sheffield, UK
Peter Willett
University of Connecticut, US

Technical Chairs

Sergiy Vorobyov
Aalto University, Finland
Yimin D. Zhang
Temple University, US

IEEE SAM TC Representative

Mónica Bugallo
Stony Brook University, US

Special Session Chair

Hing Cheung So
City University of Hong Kong, HK

Finance Chair

Patrick Naylor
Imperial College London, UK

Publicity Chair

Hongbin Li
Stevens Institute of Technology, US

Local Arrangement Chair

Lyudmila Mihaylova
University of Sheffield, UK

Publication and Registration Chair

Lei Zhang
University of Glasgow, UK

Important Dates

Tutorial Proposals
22nd January, 2018

Special Session Proposals
5th February, 2018

Submission of Papers
24th February, 2018

Notification of Acceptance
30th April, 2018

Final Manuscript Submission
13th May, 2018

Advance Registration
20th May, 2018

Call for Papers

Technical Program

The SAM Workshop is an important IEEE Signal Processing Society event dedicated to sensor array and multichannel signal processing. The organizing committee invites the international community to contribute with state-of-the-art developments in the field. SAM 2018 will feature plenary talks by leading researchers in the field as well as poster and oral sessions with presentations by the participants.

Welcome to Sheffield!

The workshop will be held at Sheffield, the "Steel City". It is the third largest English district by population, and built on seven hills, like Rome. An estimated 2 million trees in the exuberant city, giving Sheffield the highest ratio of trees to people of any city in Europe. In particular, it is at the doorstep of the first UK national park -- the Peak District, offering breath-taking views and fantastic opportunities for pastimes such as cycling, walking and wildlife watching.

Research Areas

Authors are invited to submit contributions in the following areas:

- Adaptive beamforming
- Array processing for biomedical applications
- Array processing for communications
- Blind source separation and channel identification
- Computational and optimization techniques
- Compressive sensing and sparsity-based signal processing
- Detection and estimation
- Direction-of-arrival estimation
- Distributed and adaptive signal processing
- Intelligent systems and knowledge-based signal processing
- Microphone and loudspeaker array applications
- MIMO radar
- Multi-antenna systems: multiuser MIMO, massive MIMO and space-time coding
- Multi-channel imaging and hyperspectral processing
- Multi-sensor processing for smart grid and energy
- Non-Gaussian, nonlinear, and non-stationary models
- Performance evaluations with experimental data
- Radar and sonar array processing
- Sensor networks
- Source localization, classification and tracking
- Synthetic aperture techniques
- Space-time adaptive processing
- Statistical modelling for sensor arrays
- Waveform diverse sensors and systems

Submission of papers – Full-length five-page papers (last page with references only) will be accepted electronically at www.edas.info.

Submission of special session and tutorial proposals – details can be found at the workshop website.