



## CALL FOR PAPERS

### WCSP 2018

## Underwater Acoustic Signal Processing and Communications Symposium

October 18-20, 2018, Hangzhou, China

<https://edas.info/newPaper.php?c=24690&track=90521>

**Overview:** The annual International Conference on Wireless Communications and Signal Processing (WCSP) aims to provide a forum that brings together International researchers from academia and practitioners in industry to meet and exchange ideas and recent research work on all aspects of wireless communications and signal processing. Following the great success of WCSP'09-17, the tenth edition of the event, WCSP 2018, will be held in Hangzhou, Zhejiang, China, on October 18-20, 2018. The conference will feature keynote speeches and technical sessions. You are cordially welcome to participate in and contribute to the conference in your valuable role.

**Scope:** The Underwater Acoustic Signal Processing and Communications Symposium focuses on the state-of-art research topics related to all aspects of underwater acoustic signal processing and communication systems. Prospective authors are invited to submit original technical papers for publication in the conference proceedings and for presentation at the symposium. Topics of interest include, but are not limited to:

- Underwater localization, positioning, tracking, and classification
- Marine mammal related acoustic signal processing
- Multistatic sonar signal processing
- Performance analysis for active and passive sonar
- Physics-based signal processing algorithm design and analysis
- Signal processing for AUVs or deployed autonomous systems
- Underwater channel characterization, statistical modeling and estimation
- Transceiver design: Modulation, coding and detection techniques
- Underwater wireless networking protocols and cross-layer design
- MIMO and diversity systems in underwater communications
- Cooperative communications in underwater
- Hybrid and multi-modal underwater communications
- Mobile underwater communications and network
- Applications of underwater wireless communications
- Devices and systems for underwater wireless communications
- Underwater wireless sensor networks
- Energy harvesting for underwater sensor networks
- Real-time data transmission in underwater
- Demonstration of field trials, experiments, and test-beds

**Submission and Publication:** Please visit the conference website at [www.ic-wcsp.org](http://www.ic-wcsp.org) for submission instructions.

All accepted and presented papers will be included in the WCSP 2018 Conference Proceedings and high-quality papers will be recommended to **SCI** journals. Papers published in WCSP 2009-2017 have been included by **IEEE Xplore** Digital Library and indexed by **EI**.

### Important Dates:

Submission deadline (Extended): July 18, 2018

Decision notification: Aug. 18, 2018

Camera-ready paper: Sept. 01, 2018

### Symposium Co-Chairs:

Wen Xu, Zhejiang University, China

Shefeng Yan, Institute of Acoustics, China Academy of Science, China

Yue Rong, Curtin University of Technology, Australia

Junhong (June) Cui, University of Connecticut, USA