

## Call for Papers

The 18<sup>th</sup> International Symposium on Wireless Communication Systems (ISWCS'22), will be held in a hybrid format with participation both online and in-person in Hangzhou, China during October 19-22, 2022.

The aim of this symposium is to provide a forum for researchers and technologists to present new ideas and contributions in the form of technical papers, panel discussions, as well as real-world evaluation in the field of wireless communications, networking and signal processing. This 18<sup>th</sup> symposium will bring together various wireless communication systems developers to discuss the current status, technical challenges, standards, fundamental issues, and future services and applications.

### Topics of Interest

ISWCS'22 invites original contributions in the following (but not limited to) areas:

- 5G and 6G wireless systems
- Coding, modulation, and equalization
- MIMO and massive MIMO
- Millimeter Wave Communication, Terahertz Communication
- Reconfigurable intelligent/Intelligent reflective surfaces
- Integrated sensing and communications
- Machine learning in wireless communications and networks
- Non-orthogonal transmission methods for multi-user systems (NOMA, rate splitting)
- Energy efficiency and energy harvesting
- Network design and performance optimization
- Resource allocation in wireless networks
- Spectrum sensing, sharing, learning and prediction
- Internet of Things and connected vehicles
- Ultra-reliable low latency communication
- Localization and tracking in wireless networks
- In-band full-duplex radio
- Visible light communication
- Satellite and space communications
- Quantum communications
- Molecular communications
- Security and privacy in wireless communication and systems
- UAV-communication and UAV-assisted wireless networks
- Cloud, fog, and edge network architectures

### Submission Guidelines:

Prospective authors are invited to submit high-quality original technical papers (max 6 pages, 10-point font size) for presentation at the conference and publication in the ISWCS 2022 Proceedings and IEEE Xplore. All papers should be submitted via EDAS (<https://edas.info/newPaper.php?c=29383>), using standard IEEE conference templates.

**High-quality submissions will be invited to have an extended version published in the MDPI Sensors journal (Impact Factor: 3.6).**

**Important dates:**

Full paper submission (firm deadline): ~~July 15, 2022~~, **July 31, 2022**

Notification of acceptance: August 31, 2022

Final paper due: September 30, 2022

Conference: October 19 - 22, 2022

**Organizing committee**

**General Chairs:**

Yunlong Cai, Zhejiang University, China

Geoffrey Ye Li, Imperial college London, UK

**General Co-Chairs:**

Eduard A. Jorswieck, TU Braunschweig, Germany

Shi Jin, Southeast University, China

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Carlos Faouzi Bader, ISEP/CentraleSupélec, France

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**Technical Program Chair:**

Tony Q. S. Quek, Singapore University of Technology and Design (SUTD), Singapore

Le Liang, Southeast University, China

**Technical Program Co-Chairs:**

Rodrigo C. de Lamare, PUC-RIO, Brazil and Univ. York, UK

An Liu, Zhejiang University, China

**Workshop and Special Sessions Chairs:**

Fan Liu, Southern University of Science and Technology (SUSTech), China

Navid NaderiAlizadeh, University of Pennsylvania, USA

**Tutorial Co-Chairs:**

Jun Zhang, HKUST, China

Derrick Wing Kwan Ng, UNSW, Australia

Zhijin Qin, Queen Mary University of London, UK

**Local Arrangement Chair:**

Min Li, Zhejiang University, China

**Publication and Publicity Co-Chairs:**

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Ming-Min Zhao, Zhejiang University, China