



## Call For Papers

### WCSP 2024: Optical, Satellite, Aerial, and Underwater Communication Symposium

October 24-26, 2024, Hefei, China

<http://www.ic-wcsp.org>

**Overview:** The International Conference on Wireless Communications and Signal Processing (IC-WCSP) aims to gather international researchers from academia and industry to meet and exchange ideas and recent research works across the broad field of ICT technologies. The event of WCSP 2024 will be held in Hefei, Anhui, China, on October 24-26, 2024, with the theme “Charging up wireless communications and signal processing with intelligence”. The conference will be sponsored and organized by University of Science and Technology of China, China, and technically co-sponsored by IEEE and IEEE Communications Society.

**Scope:** Optical, Satellite, Aerial, and Underwater Communication Symposium seeks original contributions in the following topical areas, plus others that are not explicitly listed but are closely related:

- Fundamental limits of optical communications
- Access, metro and core optical network architectures
- Optical Wireless Communications
- Optical network resource allocation schemes
- Optical routing and multiplexing solutions
- Novel multiple access in satellite communications
- Advanced RIS-based security and privacy techniques of satellite communications
- Satellite-based distributed machine learning and computing
- Communication and computing resource allocation in satellite communications
- Satellite-assisted remote sensing and communications
- New architecture and channel modelling of space-air-ground integrated networks
- Aerial platform design for computing offloading and cooperative communications
- 3D UAV placement/trajectory design and radio resource allocation
- Massive MIMO/millimeter wave/optical communications for UAVs
- Security techniques in wireless networks with UAVs
- AI based UAV communications
- Underwater optical communications
- Underwater acoustic communication and networking
- Underwater detection, localization, positioning, and tracking techniques
- Architecture and protocol design for space-air-ground-sea integrated network

**Important Dates:**

Full Paper Submission: June 25, 2024

Acceptance Notification: August 25, 2024

Final Paper Submission: September 5, 2024

**Symposium Co-Chairs:**

Zhi Lin, National University of Defense Technology, China

Fengzhong Qu, Zhejiang University, China

Jiaheng Wang, Southeast University, China

Jingjing Wang, Beihang University, China

Chiya Zhang, Harbin Institute of Technology, Shenzhen, China