



# CALL FOR PAPERS

IEEE International Conference on Signal,  
Information and Data Processing 2024 IEEE ICSIDP 2024  
2024年IEEE信号、信息及数据处理国际会议

**Conference date:** November 22-24, 2024

**Conference venue:** Sheraton Zhuhai Hotel

Address: 1663 Yinwan Road, Wanzai, Xiangzhou District, Zhuhai

## Sponsors:

Beijing Institute of Technology

IEEE Guangzhou Section

IEEE Signal Processing Society

## About the Event

IEEE International Conference on Signal, Information and Data Processing 2024 will be held on November 22-24, 2024 in Zhuhai, China. It aims to introduce the latest technological development and academic research hot issues of Signal, Information and Data processing, as well as their applications. It will provide a platform for leading industrial and academic researchers to present their state-of-the-art accomplishment, discuss and share their experiences, and foresee future directions in the field of signal processing theories and applications. All submissions will be thoroughly peer-reviewed by experts based on originality, significance and clarity. All accepted papers will be published in the conference proceedings and be submitted to IEEE and IEEE Xplore. After the conference, the papers will be submitted for EI Compendex.



## About Zhuhai

Zhuhai is an emerging garden style seaside tourist resort and a shining pearl on the coast of the South China Sea. It is located at the mouth of the Pearl River, connecting Macao and Hong Kong. It is one of the five special economic zones in China. Boasting a beautiful natural environment, clear mountains and clear waters, vast sea areas, and more than 100 islands, Zhuhai enjoys the reputation of being a "City of 1000 islands". Urban planning and construction have unique craftsmanship, highlighting tourism awareness, natural harmony, elegance and uniqueness, and a modern atmosphere with a seaside garden atmosphere.

## Committee

### Honorary Chairs:

Prof. K.J. Ray Liu, IEEE President 2022, USA

Prof. Erke Mao, BIT, Academician of CAE, China

### General Chair:

Prof. Cheng Hu, BIT, China

### Organizing Committee Chair:

Prof. Xiaopeng Yang, BIT, China

### Technical Program Committee Chair:

Dr. Yuanhao Li, BIT, China

## Important Dates

**Paper Submission Deadline:** 31 July 2024

**Paper Acceptance Notification:** 31 August 2024

**Camera-ready Paper Submission:** 30 September 2024

**Registration open date:** 1 September 2024

**Conference Date:** 22-24 November 2024

### Intelligent Sensing Signal and Information Processing

- Session01:** Intelligent Microwave Imaging and Information Processing
- Session02:** Multi-source Perception and Intelligent Signal Processing
- Session03:** Intelligent Information Perception and Continuous Learning in Open Environment
- Session04:** Detection and Localization of Weak Targets
- Session05:** Radar Images Processing and Application

### Radar Systems, Target Detection and Recognition

- Session06:** Advanced Target Detection and Imaging with mmWave Radars
- Session07:** Intelligent Detection and Imaging Exploiting Novel Radar Schemes
- Session08:** Radar Anti-jamming Technology
- Session09:** Radar Resource Scheduling and Cooperative Probing Techniques
- Session10:** Radar Technology for Intelligent Transportation
- Session11:** Intelligent Radar Signal Processing, Imaging and Recognition

### Synthetic Aperture Radar Signal Processing

- Session12:** SAR Data Intelligent Processing
- Session13:** Satellite Characteristics and Applications of LuTan-1
- Session14:** Advanced Methods for SAR and PolSAR applications
- Session15:** Synthetic Aperture Radar Polarimetric Interferometry Scattering Models and Applications

### Signal Processing for Communications and Networks

- Session16:** Integrated Sensing and Communications for Low-Attitude Systems
- Session17:** Intelligent Signal Processing for ISAC
- Session18:** Extremely Large-scale MIMO: Near-Field Communication and Sensing
- Session19:** Space-air-ground Integrated Networks and ISAC

### Remote Sensing Image Processing

- Session20:** Intelligent and Real-time Understanding and Processing for Earth-Observation Remote Sensing Tasks

**Session21:** Intelligent Interpretation and Innovative Application of Multimodal Remote Sensing Data

**Session22:** Intelligent Processing of Remote Sensing Image

### Multimedia Signal Processing and Computer Vision

- Session23:** Multimedia Signal Processing
- Session24:** Computer Vision and Pattern Recognition

### Wireless Sensing and Biomedical Signal Processing

- Session25:** Wireless Intelligent Sensing and Healthcare Applications
- Session26:** Wireless Sensing
- Session27:** Signal Processing in Medical Science, Neuroscience, and Human-Machine Interface

### Speech, Audio, Acoustic and Sonar Processing

- Session28:** Advances in Underwater Acoustic Signal Processing
- Session29:** Cross-domain Technologies and Applications

### Photon / Quantum Signal and Information Processing

- Session30:** Microwave Photonic Signal Generation and Processing
- Session31:** Optical Waveguide Signal Processing, Sensing and Measurement
- Session32:** Emergent Technologies for Neuromorphic Computing
- Session33:** Microwave Photonic Young Scholars Forum

### Signal and Information Processing in Advanced Applications

- Session34:** Advances in InSAR Data Processing and Interpretation
- Session35:** Image Processing and Analysis
- Session36:** Advanced Radar Signal Processing Techniques for 6G Sensing and Detection
- Session37:** Radar Signal Processing for Distributed Soft Targets
- Session38:** Signal and Information Processing of Novel Spaceborne SARs
- Session39:** Terahertz Sensing and Imaging
- Session40:** MIMO Radars: Systems and Signal Processing

#### Contacts

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