

ICSPS 2024

NOV. 15-17, 2024

KUNMING

The 16th International Conference on Signal Processing Systems (ICSPS 2024) will be held in Kunming, China during November 15-17, 2024. It is organized by **Kunming University of Science and Technology, China**, co-organized by **Jiangsu University of Science and Technology, China**; **Southwest Jiaotong University, China** and **National Key Laboratory on Blind Signal Processing of University of Electronic Science and Technology of China, China**, assisted by **the Signal Processing Branch of the Chinese Institute of Electronics, China**.

The conference committee invites submissions of applied or theoretical research as well as of application-oriented papers on all the topics of ICSPS. Papers submitted to ICSPS 2024 will be subject to a double-blind peer review based on originality, contributions, presentation, relevance to conference, etc.

CONFERENCE COMMITTEE

Honorary Chair

Saeid Sanei, Imperial College London, UK

Conference Chairs

Hongbin Wang, Kunming University of Science and Technology, China
Robert Minasian, The University of Sydney, Australia
Li Chai, Zhejiang University, China

Conference Co-chairs

Bin Qian, Kunming University of Science and Technology, China
Qun Wan, University of Electronic Science and Technology of China, China
Zhenkai Zhang, Jiangsu University of Science and Technology, China
Haiquan Zhao, Southwest Jiaotong University, China

Program Chairs

Li Zhang, University of Leeds, UK
Yi Peng, Kunming University of Science and Technology, China
Lyudmila Mihaylova, The University of Sheffield, UK
Guangtao Zhai, Shanghai Jiao Tong University, China
Shaoshuai Gao, University of Chinese Academy of Sciences, China
Abdel-Hamid Soliman, Staffordshire University, UK

Program Co-chairs

Yong Yang, National University of Defense Technology, China
Jun Liu, Chengdu University of Information Technology, China
Shuwen Xu, Xidian University, China
Jian Xue, Xi'an University of Posts & Telecommunications, China
Xiaofeng Shen, University of Electronic Science and Technology of China, China

Local Organizing Chairs

Zengli Liu, Kunming University of Science and Technology, China
Shaowei Rong, Kunming University of Science and Technology

Publication Chairs

Xiangyu Deng, Kunming University of Science and Technology, China
Li Zhang, Xi'an University of Posts & Telecommunications, China
Tao Zhou, Beijing Jiaotong University, China

Publicity Chairs

Xionghou Liu, Northwestern Polytechnical University, China
Jian Wang, Kunming University of Science and Technology, China
Biao Jin, Jiangsu University of Science and Technology, China
Feiyun Wu, JiMei University, China

Local Committee

Yin Hu, Kunming University of Science and Technology, China

Regional Chairs

Xiaochen Yuan, Macao Polytechnic University, Macao
Fei Wang, Nanjing University of Aeronautics and Astronautics, China
Jingwei Xu, Xidian University, China

Awards Chairs

Jingmin Tang, Kunming University of Science and Technology, China
Feng Xi, Nanjing University of Science and Technology, China

Special Session Chair

Weihua Jiang, Xiamen University, China



KEYNOTE SPEAKERS



Prof. Abdelhak M. Zoubir
IEEE Fellow
Technische Universität Darmstadt, Germany



Prof. Henry Leung
IEEE Fellow & SPIE Fellow
University of Calgary, Canada



Prof. De Shuang Huang
IEEE Fellow / IAPR Fellow / AAIA Fellow
Eastern Institute of Technology, Ningbo, China



Prof. Bo Du
Dean of School of Computer Science
Wuhan University, China



Prof. Yipeng Liu
University of Electronic Science and Technology of China, China

INVITED SPEAKERS



Prof. Boon-Chong Seet
Auckland University of Technology, New Zealand



Assoc. Prof. Shuai Yao
Southeast University, China



Prof. Chenguang Shi
Nanjing University of Aeronautics and Astronautics, China



Assoc. Prof. Lei Xie
Northwestern Polytechnical University, China



Prof. Zhichao Zhang
Nanjing University of Information Science and Technology, China



Assoc. Prof. Xiaochen Yuan
Macao Polytechnic University, Macao, China



Assoc. Prof. Ming Zhang
Xi'an Jiaotong University, China



Assoc. Prof. Peixian Zhuang
University of Science and Technology Beijing, China



Prof. Ningbo Liu
Naval Aviation University, China



Assoc. Prof. Yang Su
Nanjing University of Information Science and Technology, China



Assoc. Prof. Chaoqun Yang
Southeast University, China



Prof. Shuwen Xu
Xidian University, China



Assoc. Prof. Sinong Quan
National University of Defense Technology, China



Assoc. Prof. Yutao Liu
Ocean University of China, China



Assoc. Assoc. Prof. Fei Wang
Nanjing University of Aeronautics and Astronautics, China



Prof. Yong Jia
Chengdu University of Technology, China



Prof. Heng Chai
723rd Research Institute of China State Shipbuilding Corporation (CSSC), China



Prof. Yong Yang
National University of Defense Technology, China



Prof. Xiao Han
Harbin Engineering University, China



Assoc. Prof. Lutao Liu
Harbin Engineering University, China



Assoc. Prof. Lin Gao
University of Electronic Science and Technology of China, China



Assoc. Prof. Xun Lang
Yunnan University, China



Prof. Suting Chen
Nanjing University of Information Science and Technology, China



Assoc. Prof. Lijuan Jia
Beijing Institute of Technology, China



Prof. Zheng Jibin
Xidian University, China



Assoc. Prof. Xu Cheng
Wuhan Institute of Technology, China



Assoc. Prof. Yongjun Liu
Xidian University, China



Assoc. Prof. Biao Jin
Jiangsu University of Science and Technology, China



Assoc. Prof. Shuai Shao
Xidian University, China



Assoc. Prof. Fan Rong
Civil Aviation Flight University of China, China



Dr. Yue Yang
Sichuan University, China



Assoc. Prof. Wei Huang
Zhejiang University of Technology, China

CALL FOR PAPER

Track 1: Communication Signal Processing

Track Chairs: Assoc. Prof. Li Zhang, University of Leeds, UK; Prof. Tao Zhou, Beijing Jiaotong University, China; Prof. Zengli Liu, Kunming University of Science and Technology, China; Assoc. Prof. Yi Peng, Kunming University of Science and Technology, China; Assoc. Prof. You You, Purple Mountain Laboratories, China

- Modulation and Channel Coding
- Data Communications
- Ad-Hoc and Sensor Networks

Track 2: Image and Video Processing

Track Chairs: Assoc. Prof. Xiaochen Yuan, Macao Polytechnic University, Macao, China; Dr. Yue Liu, Macao Polytechnic University, Macao, China

- Image and Multidimensional Signal Processing
- Signal Processing and Communications Education
- Watermarking and Information Hiding

Track 3: Signal Processing in Biomedical Engineering

- Bioimaging and Its Signal Processing
- Multimedia & Human-Computer Interaction
- Feature Extraction for Biomedical Signals

Track 4: Audio Signal Processing

Track Chairs: Prof. Haiquan Zhao, Southwest Jiaotong University, China; Assoc. Prof. Sheng Zhang, Southwest Jiaotong University, China; Assoc. Prof. Fuyi Huang, Guangxi University, China

- Audio/Speech Processing and Coding
- Noise Suppression and Signal Enhancement
- Spoken Language Processing

Track 5: Machine Learning for Signal Processing

Track Chairs: Assoc. Prof. Yang Su, Nanjing University of Information Science and Technology, China; Assoc. Prof. Fei Wang, Nanjing University of Aeronautics and Astronautics, China; Assoc. Prof. Qinghua Han, Zaozhuang University, China

- Data Mining with Its Applications
- Machine Learning for Signal Processing
- Blind Signal Processing with Applications

Track 6: Array Signal Processing

Track Chairs: Prof. Chengwei Zhou, Zhejiang University, China; Assoc. Prof. Chaoqun Yang, Southeast University, China; Dr. Hui Cao, Wuhan University of Technology, China

- DOA Technology with Applications
- Statistic Learning & Pattern Recognition
- Adaptive Beamforming

Track 7: Radar Signal Processing

Track Chairs: Prof. Shuwen Xu, Xidian University, China; Prof. Yong Yang, National University of Defense Technology, China; Assoc. Prof. Chenguang Shi, Nanjing University of Aeronautics and Astronautics, China; Assoc. Prof. Jian Xue, Xi'an University of Posts & Telecommunications, China

- Target Detection, Tracking and Localization
- Adaptive Waveform Optimization in Cognitive Radar Systems
- Integrated Radar and Communication System

Track 8: Ocean Information Processing

Track Chairs: Prof. Zhenkai Zhang, Jiangsu University of Science and Technology, China; Prof. Miao Yang, Jiangsu Ocean University, China

- Sonar Signal Processing
- Navigation System Analysis and Design
- Signal Processing in Remote Sensing and Positioning

Track 9: Intelligence of System Communication, Control and Reliability

Track Chairs: Prof. Jun Liu, Chengdu University of Information Technology, China; Assoc. Prof. Xi Chen, Wuhan University of Science and Technology, China; Assoc. Prof. Jingwen Yi, Wuhan University of Science and Technology, China; Asst. Prof. Ran Duan, The Hong Kong Polytechnic University, Hong Kong, China

- Intelligent Electromechanical System
- Wireless Communications and Signal Processing
- Communications of Intelligent UAV Network

Track 10: Underwater Acoustic Signal Processing Theory, Method, and System

Track Chairs: Prof. Xionghou Liu, Northwestern Polytechnical University, China; Assoc. Prof. Lei Xie, Northwestern Polytechnical University, China; Prof. Lei Cheng, Zhejiang University, China; Assoc. Prof. Shuai Yao, Southeast University, China; Prof. Xiao Han, Harbin Engineering University, China; Assoc. Prof. Yubo Qi, Institute of Acoustics, Chinese Academy of Science, China; Assoc. Prof. Yuehai Zhou, Xiamen University, China

- Underwater Acoustic Mode-based Signal Processing
- Underwater Acoustic Distributed Processing and Information Fusion
- Underwater Acoustic Imaging and Tomography

For more topics, please visit: <http://www.icsps.org/cfp.html>

Track 11: Blind Signal Processing

Track Chairs: Prof. Ping Wei, University of Electronic Science and Technology of China, China; Prof. Tianqi Zhang, Chongqing University of Posts and Telecommunications, China; Prof. Xiaode Lyu, Aerospace Information Research Institute (AIR), Chinese Academy of Sciences, China; Assoc. Prof. Lin Gao, University of Electronic Science and Technology of China, China

- Blind Multidimensional Signal Processing
- Blind Graph Signal Processing
- Blind Channel Estimation and Identification

For more topics, please visit: <http://www.icsps.org/cfp.html>



SPECIAL SESSION

Special Session: Intelligent Analysis and Processing of Underwater Acoustic Signals

Session organizers: Prof. Feiyun Wu, JiMei University, China
Assoc. Prof. Weihua Jiang, Xiamen University, China
Assoc. Prof. Lei Wan, Xiamen University, China

The topics of interest include, but are not limited to:

- Hydroacoustic big data
- Research on the application of artificial intelligence technology in underwater acoustic communication, detection and identification
- AI and underwater acoustic signal processing

SUBMISSION

- **Submission Deadline: October 10, 2024**
- **Submission Requirement**

-**Language:** English is the official language of the conference. The paper should be written and presented only in English.

-**Submission Type:**

***Publication & Presentation**

Full paper submission is required if you consider publishing your paper. Each paper should have at least 8 pages.

***Presentation Only**

Abstract submission is acceptable for presentation only without publication.

- **Submission Template:** <https://www.icsps.org/file/template.docx>
- **Submission Method:** The EasyChair Submission System. Link:

<https://easychair.org/conferences/?conf=icsps2024>

For any inquiry about the submission and conference, please feel free to contact us at ICSPS_Conf@outlook.com.

More information, please visit: <http://www.icsps.org/sub.html>

PUBLICATION

SPIE DIGITAL LIBRARY

Submitted paper will be peer reviewed by technical committee, and accepted papers after proper registration and presentation will be published in the the **conference proceedings** by **SPIE**, which will be included in **SPIE Digital Library** and indexed by **Ei Compindex**, **Scopus**, etc.

- Proceedings of ICSPS 2023 has been published by SPIE and indexed by Ei Compindex and Scopus.
- Proceedings of ICSPS 2022 has been published by IEEE-CPS and indexed by Ei Compindex and Scopus.
- Proceedings of ICSPS 2018-2021 have been published by SPIE and indexed by Ei Compindex and Scopus.
- Proceedings of ICSPS 2016-2017 have been published by ACM and indexed by Ei Compindex and Scopus.

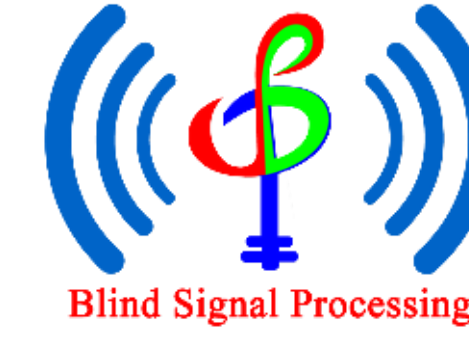
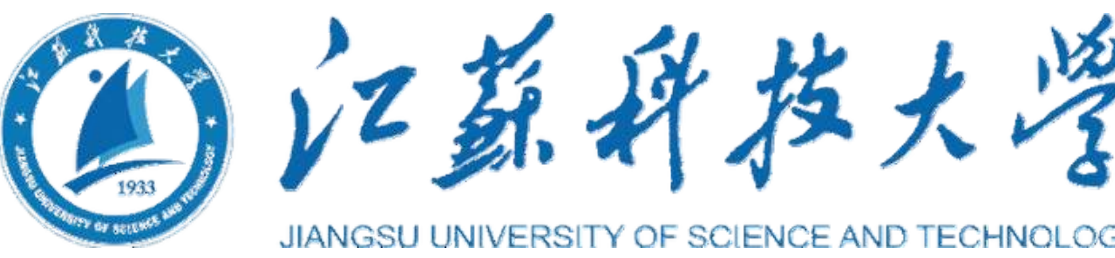
PROGRAM OVERVIEW

November 15, 2024	10:00-17:00	Onsite Registration & Conference Materials Collection
	14:00-17:00	Committee Conference
	14:00-16:00	Campus Tour
November 16, 2024	09:00-12:00	Opening Ceremony & Keynote Speeches
	13:30 - 18:00	Invited Speeches & Author Sessions
	18:00-20:00	Award Ceremony & Dinner Banquet
November 17, 2024	09:00 - 12:00	Invited Speeches & Parallel Sessions
	14:00-16:00	City Tour

Organized By



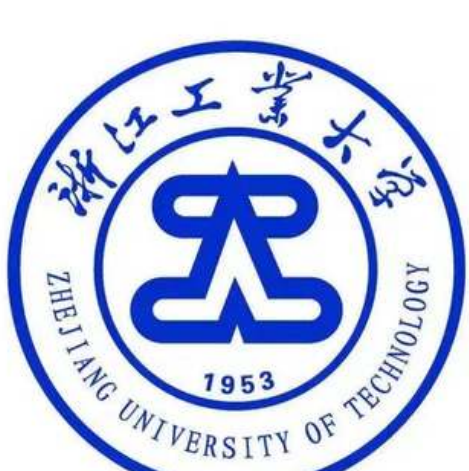
Co-organized By



Assisted By



Technicallu Supported By



Media Partner

www.teleonline.cn



电讯技术

CONTACT US

Conference Secretary: Ms. Luna Wu

Email: ICSPS_Conf@outlook.com

Tel: +86-18000547208

Conference Website: <http://www.icsps.org/>

Office Time: 9:30-18:00, Monday to Friday (GMT+8 Time Zone)