



IWSDA 2025

December 7-11, 2025,
University of Melbourne,
Australia

General Chair

Udaya Parampalli, University of Melbourne, Australia
Tetsuya Kojima, National Institute of Technology, Japan

Technical Program Co-Chairs

Zhengchun Zhou, Southwest Jiaotong University, China
Zilong Liu, University of Essex, United Kingdom
Shunsuke Araki, Kyushu Institute of Technology, Fukuoka, Japan

Local Arrangement Chairs

Sanming Zhou, University of Melbourne, Australia
Prof. Cezary Kaliszyk, University of Melbourne, Australia
Dr. Junhao Gan, University of Melbourne, Australia

Publicity Chair

Dr. Farhad Farokhi, University of Melbourne, Australia

Technical Program Committee

(Alphabetical order of Names)

Abhay Kumar Singh, Indian Institute of Technology Dhanbad
Adrish Banerjee, Indian Institute of Technology Kanpur
Alexander Pott, Otto-von-Guericke University
Avik Ranjan Adhikary, Southwest Jiaotong University
Chao-Yu Chen, National Cheng Kung University
Chi-Chao Chao, National Tsinghua University
Chunlei Li, University of Bergen
Chunming Tang, Southwest Jiaotong University
Claude Carlet, University of Paris 8
Fan Liu, Southeast University
Guang Gong, University of Waterloo
Hong-Yeop Song, Yonsei University
Kalikinkar Mandal, University of New Brunswick
Lilya Budaghyan, University of Bergen
Lingfei Jin, Fudan University
Longjiang Qu, National University of Defense Technology
Martino Borello, University of Paris 8
Md. Noor-A-Rahim, University College Cork
Nian Li, Hubei University
Patrick Sole, CNRS
Pramod Kumar Kewat, Indian Institute of Technology Dhanbad
Sang-Hyo Kim, Sungkyunkwan University
Satoshi Uehara, University of Kitakyushu
Sedar Boztas, RMIT University
Shibsankar Das, Patliputra University
Sihem Mesnager, University of Paris 8
Susanta Samanta, University of Waterloo
Takahiro Matsumoto, Kagoshima University
Tor Helleseeth, University of Bergen
Wai Ho Mow, Hong Kong University of Science and Technology
Yubo Li, Yanshan University

The 11th International Workshop on Signal Design and its Applications in Communications (IWSDA'25) will be held at University of Melbourne, Victoria, Australia on December 07-11, 2025. The IWSDA workshop series dates back to September 2001 in Chengdu, China, and since 2005 has been held every 2 years in Dongguan, China, Yamaguchi, Japan, Chengdu, China, Fukuoka, Japan, Guilin China, Tokyo, Japan, Bengaluru, India, Sapporo, Japan, and Colchester, United Kingdom. The aim of the workshop series is to foster fruitful interactions among signal designers, coding theorists, cryptographic researchers and communications practitioners from all over the world.

Topics The topics of this workshop include, but are not limited to, the topics listed below:

- Machine Learning for Signal Processing
- Data Hiding and Steganography
- Coding for Communications and Storage
- Detection and Estimation
- Coding Theory
- Network Coding and Applications
- Combinatorial Structures for Code and Sequence Design
- Sequences
- Communication Theory
- Signal Design for Radar and Communication
- Complexity and Computation Theory
- Signal Processing
- Integrated Sensing and Communications
- Space-Time Codes
- Classical and Quantum Cryptography, Privacy and Security
- Wireless Communication and Networks
- Reconfigurable Intelligent Surfaces

Important Dates

- ◆ Manuscript submission: July 15, 2025 (AoE)
- ◆ Acceptance notification: September 15, 2025 (AoE)
- ◆ Camera-ready submission: October 15, 2025 (AoE)
- ◆ Early-Bird registration: October 15, 2025 (AoE)
- ◆ Conference: December 7-11, 2025 (AoE)

Paper Submission

Papers presenting new results in the above areas are hereby solicited. Only electronic submissions via the conference website in PDF formats are accepted. Each submission must be at most 5 pages in length and conform to the double-column IEEE conference proceedings format (style file and templates can be downloaded from the conference website).

Conference Proceedings

The conference proceedings of IWSDA'25 will be published by IEEE Press, and included in IEEE Xplore.

