

# ICVISP 2025

## 2025 9th International Conference on Vision, Image and Signal Processing

### Vision, Image and Signal Processing in the Era of Multimodal AI

**Organizers:** Northwestern Polytechnical University  
Xi'an University of Posts & Telecommunications

**Tech Sponsors:** Asia-Pacific Signal and Information Processing Association (APSIPA)  
IEEE Xi'an Section

**Hosted by:** NPU - Shaanxi Key Lab of Information Acquisition and Processing & Int Center  
XUPT - Shaanxi Key Lab of Information Communication Network and Security  
Chang'an University - School of Data Science and Artificial Intelligence  
Nanchang Hangkong University - School of Information Engineering



#### Welcome to ICVISP 2025

It is with great pleasure that we invite you to the 2025 9th International Conference on Vision, Image and Signal Processing (ICVISP 2025), which is scheduled to take place from November 28-30, 2025, in Xi'an, China. The conference is organized by Northwestern Polytechnical University and Xi'an University of Posts & Telecommunications, and technically sponsored by Asia-Pacific Signal and Information Processing Association (APSIPA) and IEEE Xi'an Section. ICVISP is committed to delivering a platform for collaboration and discovery, with the aim of driving progress in image, vision, and signal processing—key technologies that are enhancing our understanding of the world and propelling advancements in artificial intelligence, machine learning, and a multitude of other applications that are transforming industries and improving lives. We warmly invite your contributions and eagerly anticipate the opportunity to meet with you in person at ICVISP 2025.

#### Committee

##### General Chairs

**Mingyi He**, Northwestern Polytechnical University, China  
**Guangyue Lu**, Xi'an University of Posts & Telecommunications, China  
**Hongwei Liu**, Xidian University, China  
**Toshihisa TANAKA**, Tokyo University of Agriculture and Technology, Japan

##### TPC Chairs

**Yuchao Dai**, Northwestern Polytechnical University, China  
**Jiantao Zhou**, University of Macau, China  
**Feng Zhao**, Xi'an University of Posts & Telecommunications, China  
**Bangshu Xiong**, Nanchang Hangkong University, China

##### Plenary Chairs

**Ce Zhu**, University of Electronic Science and Technology of China, China  
**Li Li**, Northwestern Polytechnical University, China

##### Local Chairs

**Shaohui Mei**, Northwestern Polytechnical University, China  
**Tao Gao**, Chang'an University, China  
**Jian Xue**, Xi'an University of Posts & Telecommunications, China

##### Award Chairs

**Fang Zheng**, Tsinghua University, China  
**Jinshan Ding**, Xidian University, China

##### Special Session Chairs

**Zhiguo Shi**, Zhejiang University, China  
**Hongbin Sun**, Xi'an Jiaotong University, China  
**Bo Chen**, Xidian University, China  
**Weiyao Lin**, Shanghai Jiaotong University, China  
**Ying Fu**, Beijing Institute of Technology, China  
**Xuchong Zhang**, Xi'an Jiaotong University, China  
**Junkun Yan**, Xidian University, China  
**Chengwei Zhou**, Zhejiang University, China  
**Xiankai Lu**, Shandong University, China  
**Kun Hu**, Beihang University, China  
**Juan Zhang**, Beihang University, China  
**Baochang Zhang**, Beihang University, China  
**Junbiao Pang**, Beijing University Of Technology, China  
**Xiaofei Chang**, Northwestern Polytechnical University, China  
**Xupei Zhang**, Xidian University, China  
**Shuai Shao**, Xidian University, China  
**Kaitai Guo**, Xidian University, China  
**Fulai Wang**, National University of Defense Technology, China  
**Juxiang Zhou**, Yunnan Normal University, China  
**Wenqi Ren**, Sun Yat-sen University, China  
**Yun Liu**, Southwest University, China

##### Publication Chair

**Yifan Zhang**, Northwestern Polytechnical University, China

##### Finance Chair

**Qianru Wei**, Northwestern Polytechnical University, China

##### Sponsorship Chairs

**Hong Zhao**, Tsinghua University, China  
**Jiantao Xia**, Shanghai Allsense Technology Co., Ltd., China  
**Renjie He**, Northwestern Polytechnical University, China

##### Publicity Chairs

**Xiangui Kang**, Sun Yat-sen University, China  
**Zhiyong Wang**, The University of Sydney, Australia  
**Junhui Hou**, City University of Hong Kong, China

#### Call for Papers

For more information, please visit: [www.icvisp.org/cfp](http://www.icvisp.org/cfp)

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

► **Computer Vision**

► **Signal Processing**

► **Applications**

► **Image Processing**

► **Multimodal AI**

#### Sessions

For more information, please visit: [www.icvisp.org/spe](http://www.icvisp.org/spe)

**Session I - Multimodal Perception, Planning and Decision-Making**

**Session III - Radar System Design and Radar Target Detection and Perception**

**Session V - Low-Quality Image Enhancement and Restoration**

**Session VII- Sensor Array and Multichannel Signal Processing**

**Session II - Low-Cost Computing and Perception Methods**

**Session IV - Visual, Image and Signal Processing Innovative Application in the Field of Education**

**Session VI - Radar Signal and Information Processing**

**Session VIII- Advanced Scene Understanding Methods and Applications in Multi-Modal Data**

#### Publication

Registered and presented full papers will be included in the ICVISP 2025 digital conference proceedings (ISBN: 979-8-3315-5682-2), which will be published by IEEE and submitted for inclusion into IEEE Xplore subject to meeting IEEE Xplore's scope and quality requirements, and also submitted to major citation databases (including, but not limited to Ei Compendex and Scopus) for review and indexing.



#### Key Dates

**Registration Due:** November 14, 2025

**Final Paper Submission Due:** November 14, 2025

**Main Conference:** November 28-30, 2025

#### Submission

**Online submission link:**

<https://cmt3.research.microsoft.com/ICVISP2025>

**Or scan the QR Code:**



#### Call for Sponsors & Supporters

Universities, research institutions and enterprises interested in sponsoring or supporting ICVISP 2025 are welcome to reach out to us.

#### Contact Us

**Website:** [www.icvisp.org](http://www.icvisp.org)

**Email:** [inquiry@icvisp.org](mailto:inquiry@icvisp.org)