

November 6-8, 2026

Wuxi, China

SPECIAL SESSION 3

AI-Driven Visual Understanding and Intelligent Interpretation of Multimedia & Remote Sensing Data

This special session aims to bring together cutting-edge research at the intersection of artificial intelligence, visual computing, and geospatial data analytics, addressing both general multimedia understanding and domain-specific remote sensing interpretation. With the explosive growth of visual data from diverse sources—including surveillance cameras, satellites, drones, and mobile devices—there is an urgent need for intelligent algorithms capable of robust perception, semantic understanding, and knowledge discovery across scales and modalities. This session invites contributions on fundamental advances in computer vision, machine learning, and image/signal processing, as well as their applications in smart city surveillance, autonomous systems, environmental monitoring, and digital twins. Topics of interest span from novel neural architectures and representation learning to efficient inference and generalization under limited labels or changing environments. By fostering dialogue between the multimedia and remote sensing communities, this session aspires to stimulate cross-fertilization of ideas and drive the development of next-generation visual intelligence systems.

Topics of interest include, but are not limited to:

- Deep representation learning for image and video analysis
- Multimodal fusion and cross-modal retrieval
- Object detection, tracking, and scene understanding
- Image segmentation and semantic labeling
- Hyperspectral and multispectral image processing
- SAR image statistical modeling and interpretation
- Generative models for visual data enhancement and synthesis
- Unsupervised, semi-supervised, and few-shot learning for vision
- AI-enabled change detection and time-series analysis
- Visual intelligence for smart cities, autonomous navigation, and environmental monitoring
-

IMPORTANT DATE

Submission Deadline: September 5, 2026

Notification Deadline: September 30, 2026

Contact us

Contact Secretary: Ms. Robin Luo
Email: icgip_conf@vip.163.com
Add assistant wechat, remark as "ICGIP 2026",
wechat account: iconf-cs-2



Organizer(s)



Prof. Xiao Wu

Southwest Jiaotong University, China



Prof. Hengchao Li

Southwest Jiaotong University, China

SUBMISSIONS

Submit method: <http://icgip.org/sub.html>

Submit full paper/abstract via online system:

<http://www.easychair.org/conferences/?conf=icgip2026>

PUBLICATION

SPIE. DIGITAL LIBRARY The accepted papers will be published in conference proceedings.

which will be included in SPIE Digital Library and provided to the Web of Science Conference Proceedings Citation Index-Science, Scopus, Ei Compendex, Web of Science (CPCI), Inspec, Google Scholar, Microsoft Academic Search, and others, to ensure maximum awareness of the Proceedings.

Co-organized by



Hosted by



Organized by

