

Welcome to ICoSR 2026

The 2026 5th International Conference on Service Robotics (ICoSR 2026) will be held in Haikou, China during July 25-27, 2026.

Robotics technology has been playing a key role in escalating industries, frontier research and daily life. Service robots, which encompass a range of systems, including field robots, construction robots, agriculture robots, cleaning robots, logistics robots, medical robots, and humanoid robots, have the potential to significantly enhance safety, efficiency, and productivity using robotics technology. The International Conference on Service Robotics (ICoSR 2026) has been organized to promote research and development in this field by providing a platform for robotics researchers and engineers from all over the world to exchange their views on the theoretical and application challenges of service robots in a collaborative, stimulating and open-minded environment. Policymakers, stakeholders, and experts from related disciplines are also encouraged to participate and contribute to scientific progress in the area of service robotics.

Conference Committee

International Advisory Committee

Chenglin Liu, University of Chinese Academy of Sciences, China
Yang Cong, South China University of Technology, China
Sam Kwong, Lingnan University, China
Tianruo Yang, Zhengzhou University, China

General Chairs

Weidong Zhang, Shanghai Jiao Tong University, China
Xiaofeng Zhu, Hainan University, China
Hui Zhang, Hunan University, China

General Co-Chairs

Hong Cheng, University of Electronic Science and Technology of China
Wei Zhang, Shandong University, China
Yizhai Zhang, Northwestern Polytechnical University, China
Shuquan Wang, University of Chinese Academy of Sciences, China

Program Chairs

Yu Liu, South China University of Technology, China
Xiuling Liu, Hebei University, China
Tong Jia, Northeastern University, China
Huayan Pu, Chongqing University, China
Yang Li, Beihang University, China

Program Committee

Hua Li, Hainan University, China
Ruonan Liu, Shanghai Jiao Tong University, China
Runmin Cong, Shandong University, China
Chongyi Li, Nankai University, China

Organizing Committee Chair

Huazhong Liu, Hainan University, China

Publication Chair

Shan Xue, Hainan University, China

Publicity Chairs

Zehua Jia, Hainan University, China
Hao Feng, Hainan University, China

Local Chair

Yingbing Liu, Hainan University, China

Call For Papers

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

▶ Intelligent Robotics

- AI in Robot
- Robot Design
- Bio-inspired robots
- Humanoid Robots
- Environmental Robotics
- Search and Rescue Robotics
- Soft Robotics and Liquid ,Metal Robots
- Autonomous Land/Underwater/Aerial Robots
- Multi-robot Systems/Swarm Robot/Collaborative Robots

▶ Sensors, Actuators, and Integration in Robotics

- Sensor Technology
- Actuation Mechanisms
- Human-Centric Sensing and Actuation
- Wireless and IoT-Enabled Robotics
- LiDAR and Optical Vision Integration in Robotics
- Testing and Validation
- Object Tracking with Optical Sensors in Robotics
- Applications of Integrated Systems

▶ Sensors, Actuators, and Integration in Robotics

- Autonomous Navigation
- Robot Simulations
- Autonomous and Unmanned Vehicles
- Robots for Cultural Heritage
- Network-based Intelligent Robot Services
- Quantum-Enhanced Robotics
- Sustainable Robotics
- Space and Extreme Environment Robotics

Submission Guidelines

Scholars will be welcome to submit the papers via the online submission system.

Link: <https://cmt3.research.microsoft.com/CoSR2026>

Publication Information

Registered and presented full papers will be included in the ICoSR digital conference proceedings and submitted to major citation databases (including, but not limited to Ei Compendex and Scopus) for review and indexing.



Special Sessions

- Embodied Intelligence-Driven Marine Remote Sensing and Underwater Visual Perception
- Brain-Inspired Robot Visual Detection and Spatial Perception
- Unsupervised Learning in the Era of Foundation Models: For Robotics and Beyond

Contact Us

Sukki Jiang
Email: mail@iwosr.org
Tel: 028-85575979 (Mainland)
+86 28 85575979 (International)