ISoIRS 2026

The Sixth International Symposium on Intelligent Robotic Systems

Moving Towards Embodied Intelligence in the AI Age

March 27-29, 2026 | Shenzhen, China

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Special Sessions

Ⅰ: Evolutionary Learning and Transfer Optimization for Intelligent Robotic Systems
Ⅱ: Compute-in-Memory for Embodied AI
Ⅲ: Unmanned Systems and Artificial Intelligence
Ⅳ: Swarm Intelligence Algorithms and Their Applications
Ⅴ: Connected Robotic Intelligence in Heterogeneous Systems
Ⅵ: Mechanism and Actuator Innovations for Safe Human–Robot Collaboration
Ⅶ: Intelligent Robotic Technologies for Empowering Future Agriculture
Ⅷ: AI and Edge Intelligence for Gait Analysis and Rehabilitation Robotics

Ⅸ: Flexible Wearable Exoskeleton Technologies and Applications
Ⅹ: Advanced Actuation and Sensing Technologies for Next-Generation Robotics
Ⅺ: Biomimetic Robot Technologies and Applications
Ⅻ: Intelligent Aerial Robotics for the Low-Altitude Economy
ⅩⅢ: Frontier Technologies and Applications in Robot Cross-Domain Collaboration and Intelligent Evolution
ⅩⅣ: Generative Intelligence and Safe Learning for Autonomous Robotic Systems
ⅩⅤ: Application of Intelligent Robots in Modern Agricultural Production
ⅩⅥ: Cross-domain Intelligent Robot

Keynote Speaker
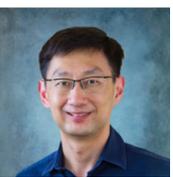
Prof. Luiz Moutinho MAE
University of Suffolk, UK
Futurist Neuro-robotics

Prof. Huosheng Hu FIET
University of Essex, UK
The Rise of Embodied AI Robots - An Evolutionary Journey

Prof. Kay Chen Tan FIEEE
Hong Kong Polytechnic University, China
Advancing Machine Intelligence via Evolutionary Transfer Learning and Optimization

Prof. Shane Xie FIEEE FEngNZ FRSNZ
University of Leeds, UK
Advanced Robotics for Effective Stroke Rehabilitation Treatment in a Home Environment

CALL FOR PAPERS

The topics are as following but not limited to:

- Robot Mechanisms and Design
- Robot Sensors and Actuators
- Hybrid Learning Models and Methods
- Reinforcement Machine Learning
- Self-Learning, Prediction and Control
- Multi-Robot and Swarm Collaboration
- Multi-Agent Robotic Systems
- Intelligent Robotic Medical Systems
- Rescue and Hazardous-Duty Robots
- Entertainment and Amusement Robots
- Robots for Biomedical Applications
- Distributed Intelligent Processing
- Human-Robot Interface
- Robot Teleoperation
- Agricultural Robotics
- Construction Robots
- Robot Intelligence and Learning
- LLMs and World Models for Robotics
- Modelling, Simulation and Design for Robots
- Intelligent Control System
- Human-Robot Interaction

Submission Link

https://cmt3.research.microsoft.com/ISoIRS2026

Important Dates

Final Paper Submission Due	Mar. 16, 2026
Main Conference	Mar. 27-29, 2026

Publication Information

Registered and presented full papers will be included in the ISoIRS 2026 digital conference proceedings (ISBN: 979-8-3195-2002-9), 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.