

ISoIRS 2026

The Sixth International Symposium on Intelligent Robotic Systems

Moving Towards Embodied Intelligence in the AI Age

March 27-29, 2026 | Shenzhen, China

www.isoirs.org

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Jiawei Wu, Shenzhen Institute for Advanced Study, UESTC, China

Strategic Directions Workshop on Embodied Intelligence

Workshop Advisors

Guangren Duan FIEEE MCAS, Harbin Institute of Technology, China
Luiz Moutinho MAE, University of Suffolk, UK

Workshop Chairs

Yun Li FIEEE, Shenzhen Institute for Advanced Study, UESTC, China
Zengguang Hou FIEEE, Institute of Automation, Chinese Academy of Sciences, China
Jiansheng Dai FIEEE FEng, Southern University of Science and Technology, China

Guoping Liu FIEEE MAE, Southern University of Science and Technology, China
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Shuzhi Sam Ge FIEEE FAES, National University of Singapore, Singapore
Huosheng Hu FIET, University of Essex, UK
Hongnian Yu FIET, Edinburgh Napier University, UK
Shane Xie FIEEE FEngNZ FRSNZ, University of Leeds, UK
Gary G. Yen FIEEE, Oklahoma State University, USA

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



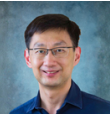
Prof. Luiz Moutinho MAE

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

Submission Link

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



Important Dates

Abstract Submission Due	Jan. 13, 2026
Full Paper Submission Due	Jan. 27, 2026
Registration Due	Mar. 10, 2026

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

Publication Information

Registered and presented full papers will be included in the ISoIRS 2026 digital conference proceedings and submitted to major citation databases (including, but not limited to Ei Compendex and Scopus) for review and indexing.



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University of Strathclyde Glasgow



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THE HONG KONG POLYTECHNIC UNIVERSITY 香港理工大学

