

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

Organizing Committee

General Chair

Yun Li FIEEE, Shenzhen Institute for Advanced Study, UESTC, China

General Co-Chairs

Hongnian Yu FIET, Edinburgh Napier University, UK
Zengguang Hou FIEEE, Institute of Automation, Chinese Academy of Sciences, China

Organizing Committee Chairs

Weineng Chen, South China University of Technology, China
Jianxiao Zou, Shenzhen Institute for Advanced Study, UESTC, China
Erfu Yang, University of Strathclyde, UK
Fan Mo, University of Oxford, UK
Luige Vladareanu, Romanian Academy, Romania

Program Committee Chairs

Shui Yu, Shenzhen Institute for Advanced Study, UESTC, China
Jorn Mehnen, University of Strathclyde, UK
Hoang-Anh Pham, Ho Chi Minh City University of Technology, Vietnam
Pengfei Fan, Queen Mary University of London, UK
Shuxue Quan, Samsung Research America, USA

Publication Chairs

Lin Li, Qingdao Agricultural University, China
Alfredo Alan Flores-Saldivar, Tecnológico de Monterrey, Mexico
Keshav Dahal, University of the West of Scotland, UK

Award Chairs

Zhun Fan, Shenzhen Institute for Advanced Study, UESTC, China
Yao Sun, University of Glasgow, UK
Zuhairiah Zainal Abidin, UTHM, Malaysia

Publicity Chairs

Qunfeng Liu, Dongguan University of Technology, China
Nguyen Vu Linh, VinUniversity, Vietnam
Mohd Razali Md.Tomari, UTHM, Malaysia

Local Chairs

Peng Liu, Shenzhen Institute for Advanced Study, UESTC, China
Zhao Huan, Hong Kong Polytechnic University, China

Finance Chair

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

Strategic Directions Workshop on Embodied Intelligence

Workshop Advisors

Guangren Duan FIEEE MCAS, Southern University of Science and 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
Kay Chen Tan FIEEE, Hong Kong Polytechnic University, China
Wen-Hua CHEN FIEEE, Hong Kong Polytechnic University, China
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

Keynote Speaker



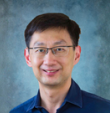
Prof. Luiz Moutinho MAE

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

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.

