

The 17th International Conference on Intelligent Robotics and Applications (ICIRA2024)

AI & Robotics for Smart Society

July 31–August 2, 2024
in Xi'an, China

ORGANIZER



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ICIRA2024 is going to be held on July 31–August 2, Xi'an, China. You are welcome to Xi'an for taking part in this great international academic event. The conference will be hosted by Xi'an Jiaotong University. The conference covers plenary talks, keynote speeches, special invitation reports and posters. This conference aims to promote the development of global robotics technology and applications. The conference will invite international experts in robotics and application fields to give plenary talks and keynote speeches. The submitted articles must be written in English with a minimum number of 12 pages. For more information, please refer to the official homepage: www.icira2024.org.

We are more than happy to assist you in any way possible as you plan your trip to Xi'an. Please do not hesitate to contact us with any questions at our secretariat at info@icira2024.org.

We are looking forward to seeing you in ICIRA2024 Xi'an. Thanks for your interest and participation in ICIRA2024.

TOPICS

The topics in ICIRA2024 include but not limited to:

ROBOTICS:

Human-robot interaction;
Parallel robots;
Machining robots;
Soft robots;
Mobile robots and intelligent autonomous systems;
Robotic vision, recognition and reconstruction;
Robot intelligence, learning and linguistics;
Robot design, development and control;
Robot motion analysis and planning;
Medical and healthcare robot;
Robot legged locomotion;
Space and underwater robots; Navigation/Localization;
Embodied AI & Large models;
Humanoid robots.

MECHATRONICS:

Advanced measurement and machine vision system;
Flexible electronics/sensors;
Smart/Electrical skin;
Drives and actuators' modeling;
Education in mechatronics engineering;
Micro-electro-mechanical systems;
Multi-sensor data fusion algorithms;
Mechatronics in energy systems;
Motion vibration and noise control;
Sensing of small quantities;
Automotive systems;
Data storage systems;
Electronic packaging;
Micro/nano technology.

AUTOMATION:

Adaptive and learning control systems;
Advanced control and informatics;
Computer integrated manufacturing;
Embedded sensors and actuators;
Estimation and identification;
Factory modeling and automation;
Flexible manufacturing systems;
Fuzzy and neural systems;
Man-machine interactions;
Modeling of complex systems;
Motion control;
Micro and nano systems;
Nonlinear systems and control;
Sensors and transducers;
Smart structures & materials hybrid;

APPLICATIONS:

New emerging robotic applications in service construction, forestry, agriculture field, search and rescue, underwater tasks, on-orbital service, and planetary exploration, are also the main topics in ICIRA2024.

CONTACT

Official homepage: www.icira2024.org

ABOUT XI'AN

Xi'an is one of the seven ancient capitals and has always been the most attractive tourist city in China. With the picturesque scenery of the Giant Wild Goose Pagoda, Xi'an's most famous landmark, is located in Da Ci'en Temple.



Submission of session proposals:

April 2, 2024

Submission of full papers:

May 20, 2024

Notification of paper acceptance:

Jun 20, 2024

Submission of final papers:

Jun 30, 2024