ICACAR 2027

2027 5th International Conference on Advanced Control, Automation and Robotics

March 12–14, 2027 | Jinan, China | www.icacar.org

Organized by: Qilu University of Technology (Shandong Academy of Sciences)



WELCOME

Welcome to the 2027 5th International Conference on Advanced Control, Automation and Robotics (ICACAR 2027), Which will be held in **Jinan, China, from March 12-14, 2027**. It is Organized by Qilu University of Technology (Shandong Academy of Sciences), hosted by the Institute of Automation of the Shandong Academy of Sciences.

Rapid advances in intelligent control, artificial intelligence, robotics, and automation are transforming industries and society. These technologies are driving innovation in manufacturing, transportation, healthcare, and other fields, creating new opportunities for intelligent and automated systems.

ICACAR 2027 aims to bring together researchers, engineers, scientists, and industry professionals to share the latest research and innovative ideas in advanced control, automation, and robotics. The conference welcomes contributions in intelligent control and optimization, robotics and automation, signal processing, sensors, system modeling and control, industrial engineering, artificial intelligence, and related interdisciplinary fields.

PUBLICATION

Registered and presented full papers will be included in the ICACAR 2027 digital conference proceedings and submitted to major citation databases, including Ei Compendex and Scopus, for review and indexing.

Compendex on Engineering Village Scopus

SECOND-ROUND IMPORTANT DATES

Abstract Submission Due:	November 16, 2026
Full Paper Submission Due:	December 1, 2026
Author Notification Due:	January 12, 2026
Registration Deadline:	February 12, 2027
Camera-ready Submission Due:	February 12, 2027
Conference Dates:	March 12–14, 2027

CALL FOR PAPERS

For more topics, please visit: www.icacar.org/cfp.html

1 Intelligent Autonomous Systems & Control Theory

- Advanced Control Methodologies
- Adaptive, Fuzzy, Robust and Optimal Control
- Nonlinear System Control
- Fault Diagnosis and Fault-tolerant Control
- System Modeling, Analysis and Simulation
- Digital Twins
- Data-Driven Control and Learning
- Machine Learning and Neural-Network Control
- Networked and Distributed Control

2 Intelligent Robotics Technology & Design

- Robotics Perception and Sensing
- Vision Systems and Sensor Fusion
- Robot Design, Kinematics, Dynamics and Control
- Humanoid and Multi-fingered Robots
- Precision Motion Control
- Bio-inspired and Medical Robots
- Micro/Nano and Soft Robotics
- Swarm, Underwater, Space and Offshore Robotics
- Autonomous and Service Robots

3 Human–Robot Interaction & Collaboration

- Human-Robot Interfaces & Interaction
- Human-robot Interaction (HRI)
- human-robot Interfaces
- human-robot-Environment Interaction
- Cognitive Approaches for Robotics
- Coexisting-cooperative-cognitive Robots
- Collaborative & Networked Systems
- Collaborative Robots (Cobots)
- Multi-robot Systems
- Multi-agent Systems
- Planning, Scheduling, and Coordination in Robotic Teams
- Network Robotics

SUBMISSION

1. Manuscripts submitted to the conference should be written in English only.
2. Manuscripts submitted to the conference should follow the template provided.
3. Manuscripts can be submitted in Doc, Docx and PDF format.
4. Oral or Poster presentations should be nominated while submitting an abstract.
5. The ordinary length is suggested no less than 8 pages, including all figures, tables, references, and appendices. If the paper exceeds 8 pages, the additional pages will be charged at the time of registration.

For paper template, please visit: www.icacar.org/submit.html

VENUE

JINAN, CHINA—A CITY OF WATER AND HISTORY

Jinan, the capital of Shandong Province, is known as the "City of Springs" for its more than 1,200 natural artesian springs, including the renowned Baotu Spring. With over 4,600 years of history, the city is a cradle of Chinese civilization and an important birthplace of the Longshan Culture. Rich in historical and cultural heritage, Jinan is also home to celebrated landmarks such as Daming Lake, Thousand-Buddha Mountain, and numerous traditional streets and historic sites. Today, Jinan has developed into a dynamic modern economic and cultural hub, where ancient heritage blends seamlessly with vibrant urban life. Visitors can explore its distinctive spring culture, experience the hospitality of the city, and enjoy authentic Shandong cuisine while discovering the unique charm of this historic yet modern destination.







Katie Ouyang | email@icacar.org | +86-28-85586839 | www.icacar.org