

2026 6TH INTERNATIONAL CONFERENCE ON CONTROL THEORY AND APPLICATIONS



2026 6th International Conference on Control Theory and Applications (ICoCTA 2026) will be held in Qingdao, China during October 23-25, 2026. It is organized by Shandong University of Science and Technology, hosted by College of Electrical Engineering and Automation of Shandong University of Science and Technology, co-organized by Shandong University, Qingdao University and School of Robotics and Automation of Nanjing University, and technically co-sponsored by IEEE Control Systems Society and IEEE Systems, Man, and Cybernetics Society.

Call for Special Session Submissions



Session I : Modeling, Control and Analysis of Mixed Traffic Flow with Autonomous Vehicles

Session II : Advances in Intelligent Perception, Decision-making and Control for Unmanned Systems

Session III : Progress and Innovations in Multi-Source Information Fusion, Navigation, and Guidance Technologies

Session IV : Design, Control and Optimization of Green Hydrogen Integrated Energy Network System

Session V : Advanced Control Theory and Applications of Intelligent Systems

Session VI : Learning Control and Games of Networked Systems

Session VII : Secure State Estimation and Control for Networked Systems

Session VIII : Control, Learning, and Games of Complex Systems: Theory and Methods

Session IX : Advances in Stability Analysis and Intelligent Control for Stochastic Systems

Session X : Modeling, Control, and Optimization for Complex Systems

Session XI : Autonomous Multi-Agent Systems in Robotics: Perception, Decision-making, Control, Learning, and Optimization Methods

Session XII : Embodied Intelligent Robotic Joint Technologies: Innovative Design and Applications

Session XIII : Aerial Launch and Recovery for Mother-Daughter UAV Systems

Session XIV : Perception, Control, and Optimization of Intelligent Transportation Systems

Session XV : New Advances in the Theory and Application of Optimization Algorithms

Session XVI : System Intelligence and Safety Supervision Technology for Low-altitude Aircraft

Session XVII : Data-Driven Sparse Modeling and Intelligent Soft Sensing for Complex Industrial Processes

Session XVIII : Optimal Operation and Control in Power Systems with Hydrogen Energy Collaborations

Session XIX : Methods and Applications for Intelligent Industrial Alarm Optimization, Analytics, and Root Cause Tracing

Session XX : Advanced Control Techniques for Embodied Intelligent Robots Under Uncertain Working Conditions

Keynote Speaker



Prof. Tianyou Chai

Academician of Chinese Academy of Engineering
IEEE Fellow and IFAC Fellow
Northeastern University, China



Prof. Lihua Xie

SAEng Fellow 、 IEEE Fellow 、 IFAC Fellow
Nanyang Technological University



Prof. Long Wang

Winner of National Science Fund for Distinguished Young Scholars
Peking University, China



Prof. Xinping Guan

Winner of National Science Fund for Distinguished Young Scholars
IEEE Fellow
Shanghai Jiao Tong University, China

Publication Information

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

Submission

<https://cmt3.research.microsoft.com/ICoCTA2026>



Organized by:  山东科技大学
SHANDONG UNIVERSITY OF SCIENCE AND TECHNOLOGY

Hosted by :  电气与自动化工程学院
College of Electrical Engineering and Automation

Organized by :  山东大学 SHANDONG UNIVERSITY  青岛大学 QINGDAO UNIVERSITY  南京大学 NANJING UNIVERSITY  机器人与自动化学院

Technically Co-Sponsored by:  IEEE Control Systems Society



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Key Dates

The Third Round

Abstract Submission Due: July 8, 2026

Full Paper Submission Due: July 23, 2026

