

2025 5TH INTERNATIONAL CONFERENCE ON CONTROL THEORY AND APPLICATIONS

2025 5th International Conference on Control Theory and Applications (ICoCTA 2025) will be held in Chengdu, China during September 19-21, 2025. It is technically co-sponsored by IEEE and IEEE Chengdu Section, organized by Southwest Jiaotong University, co-organized by University of Electronic Science and Technology of China and Xi'an Jiaotong University.

Special Sessions

Session I : Modeling, Control and Optimization of Complex Systems

Chair: Prof. Ze Tang, Jiangnan University, China

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

Chair: Prof. Wenxing Zhu, Shandong University, China

Session III: Advances in Decision-making, Tracking and Control for Unmanned System

Chair: Prof. Panlong Wu, Nanjing University of Science and Technology, China

Session IV: Advances and Innovations in Multi-source Information Fusion, Navigation and Guidance Technology

Chair: Prof. Shuai Chen, Nanjing University of Science and Technology, China

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

Chair: Prof. Yunfeng Peng, Shanghai Jiao Tong University, China

Session VI: Advanced Control Theory and Applications of Intelligent Systems

Chair: Assoc. Prof. Jianqi Chen, Nanjing University, China

Session VII: Superlinear Convergence Consensus and Distributed Optimization Based on New Optimization Methods

Chair: Assoc. Prof. Hongxia Wang&Assoc. Prof. Liping Zhang, Shandong University of Science and Technology, China

Session VIII: Process Monitoring and Recovery Techniques for Industrial Processes

Chair: Prof. Linlin Li, University of Science and Technology Beijing, China

Session IX: Modeling, Control and Analysis of Autonomous Search System in Uncertain Environment

Chair: Prof. Jianwen Huo, Southwest University of Science and Technology, China

Session X : Analysis and Control of Discrete-event Systems

Chair: Prof. Zhiwu Li, Macau University of Science and Technology, China

Session XI: Modeling, Detection, and Optimization of Complex Systems

Chair: Assoc. Prof. Mei Yu, North China Electric Power University, China

Keynote Speaker

Prof. Lei Guo

Academician of Chinese Academy of Sciences
IEEE Fellow and IFAC Fellow
National Center for Mathematics and Interdisciplinary Sciences, CAS, China

Prof. Yaochu Jin

Member of Academia Europaea and IEEE Fellow
Westlake University, China

Prof. Hideaki Ishii

IEEE Fellow and IFAC Fellow
The University of Tokyo, Japan

Prof. Zuyi Li

IEEE Fellow
Zhejiang University, China

Publication Information

Registered and presented full papers will be included in the ICoCTA 2025 digital conference proceedings (ISBN: 979-8-3315-1529-4), which will be published by IEEE and submitted for inclusion into IEEE Xplore subject to meeting IEEE Xplore's scope and quality requirements, and also submitted to major citation databases (including, but not limited to Ei Compendex and Scopus) for review and indexing.

Submission

<https://cmt3.research.microsoft.com/ICoCTA2025>



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Key Dates

Abstract Submission Due: August 5, 2025
Full Paper Submission Due: August 20, 2025

Technically Co-sponsored by: IEEE

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