

CALL FOR PAPERS
SPECIAL SESSION ON
“Intelligence, Control and Optimization in Transportation”
ICIST2024
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Session Organizers:

Yi ZUO, Dalian Maritime University, zuo@dlmu.edu.cn

Shuai SUI, Liaoning University of Technology, shuaisui2011@163.com

Wei WU, Liaoning University of Technology, wuw2017@163.com

Session Description:

Transportation systems are crucial for the functioning of modern society, and enhancing their efficiency, safety, and sustainability is a major focus of research and development. This involves leveraging advanced technologies and methodologies in the realms of intelligence, control, and optimization (ICO). The applications of ICO within transportation systems is a multifaceted endeavor that spans various technologies and approaches. ICO in transportation are critical to addressing the challenges of modern urban mobility. By leveraging advanced technologies and methodologies, we can create more efficient, safer, and sustainable transportation systems, ultimately improving the quality of life for individuals and the overall functionality of urban environments. By leveraging advanced technologies such as AI, machine learning, control theory, and optimization algorithms, we can create more efficient, safer, and sustainable transportation networks. Addressing the challenges of scalability, cybersecurity, and sustainability will be critical to realizing the full potential of these systems. The future of transportation is set to be shaped by continuous innovation and the adoption of smart technologies, ultimately enhancing the quality of life for individuals and fostering the development of smart cities.

Topics and Technical Issues include (but not limited to)

Intelligence: 1) data mining, 2) expert system, 3) deep learning, 4) pattern recognition.

Control: 1) nonlinear system, 2) multi-agents system, 3) fault-tolerant control, 4) robust control.

Optimization: 1) game theory, 2) reinforcement learning, 3) dynamic programming, 4) evolutionary computation.

SUBMISSION

Papers must be submitted electronically for peer review through online paper submission by **Aug 1, 2024**:

<https://openreview.net/group?id=IEEE.org/ICIST/2024/Conference#tab-your-consoles>.

All papers must be written in English and should describe original work. For guidelines, please follow the ICIST website link <https://conference.cs.cityu.edu.hk/icist/>.

Important Dates

Aug 1, 2024: deadline for paper submission

Sep 1, 2024: notification of paper acceptance

Oct 1, 2024: deadline for final camera-ready papers.