



27th IEEE International Conference on Intelligent Transportation Systems

September 24- 27, 2024
Edmonton, Canada

IEEE ITSC 2024



The 27th IEEE International Conference on Intelligent Transportation Systems (IEEE ITSC 2024) is the annual flagship conference sponsored by the IEEE Intelligent Transportation Systems Society (ITSS). It includes various invited sessions, workshops, tutorials, and regular paper submissions. The conference welcomes articles and presentations in the field of Intelligent Transportation Systems (ITS), conveying new developments in theory, analytical and numerical (including high-fidelity) simulations, modeling, experimentation, advanced deployment and case studies, and results of laboratory or field operational tests. IEEE ITSC 2024 particularly invites and encourages prospective authors to share their recent work, findings, perspectives, and developments as related to implementation and deployment of advanced ITS applications.

Topics of Interest

The topics of interest include, but are not limited to:

- Machine learning and deep learning in ITS
- Control & state estimation theories with applications to ITS
- Networked control systems for ITS
- Advanced road transportation management
- Communication and network in ITS
- Air and rail traffic management
- Social transportation
- Connected and autonomous vehicles
- Resilience of networked land/aerial vehicular systems
- Security, privacy and safety systems in ITS
- Parallel transportation systems
- Automated driving systems (ADS) – safety and reliability
- Traffic theory for ITS
- Human factors in ITS
- Management of corner events in ITS
- Intelligent mobility and intelligent logistics
- Naturalistic driving datasets
- Parallel driving and parallel testing
- Social cognitive autonomous driving
- Safety of the intended functionality (SOTIF) in ADS
- Advanced vehicle safety systems
- Driver and traveler support systems
- New trends in ITS
- Smart cockpits
- Shared mobility
- Education in ITS
- Public policy, regulatory and societal issues in ITS

Submission:

Complete manuscripts in PDF must be submitted electronically. Detailed instructions for authors can be found on the conference website: <https://ieee-itsc.org/2024/>

Organizing committee

Program co-chairs:

- Ehsan Hashemi, University of Alberta, Canada
- Jonas Mårtensson, KTH, Sweden

Publication co-chairs:

- Mohammad H. Mamduhi, University of Alberta, Canada
- Abolfazl Lavaei, Newcastle University, UK
- Ting Bai, KTH, Sweden

Invited sessions co-chairs:

- Nathan van de Wouw, TU Eindhoven, Netherlands
- Chen Lv, Nanyang Technology University, Singapore
- Hong Wang, Tsinghua University, China

Workshops and tutorial sessions co-chairs:

- Hamid Taghavifar, Concordia University, Canada
- Yechen Qin, Beijing Institute of Technology, China

Finance chair:

- Brendan Morris, University of Nevada, USA

Publicity chair:

- Ahmed Hussein, IAV GmbH, Germany

Important dates:

April 08, 2024: Proposals due for invited sessions

April 15, 2024: Submission deadline for regular, invited session, and workshop papers

May 30, 2024: Proposals due for workshops and tutorials

June 30, 2024: Decision notification

July 31, 2024: Final paper submission deadline