



ITS Workshop @ COMSNETS 2024

16th International Conference on COMmunication Systems & NETworkS

January 3 - 7 | In-person Conference | Bengaluru, India

https://www.comsnets.org/its_workshop.html

Intelligent Transportation Systems (ITS) Workshop

Call for Papers:

The 9th workshop on Intelligent Transportation Systems (ITS) will be held in conjunction with COMSNETS 2024. ITS is an amalgamation of cutting-edge technologies and communication used in traffic control and management systems to improve the sustainability, effectiveness, and safety of transportation networks. It is an innovative facility that aims to provide information prior to road users, enhancing drivers' experiences and making safer, coordinated and 'smart' use of transport networks. This ITS special workshop in COMSNETS 2024 aims to bring together engineers, researchers, and practitioners from various disciplines to share their experiences on interdisciplinary approaches to solving transportation problems. The workshop invites original papers that make contributions to the modeling, control, and analysis in the field of Intelligent Transportation Systems. This workshop welcomes papers involving any combination of theory, analytical modeling and optimization, numerical simulations, real-world data-driven approaches, experimentation, advanced deployment, and case studies. Studies involving economic, behavioral, and environmental aspects are equally welcome.

Topics of interest include, but are not limited to:

- Autonomous and Connected (V2X) vehicles (service design, management, and control)
- Artificial Intelligence (AI) and Machine Learning (ML) applications for ITS
- Naturalistic Driving Studies
- Sensors and Big ITS data analytics
- Human factors and Human Machine Interfaces in ITS
- Modeling user behavior in presence of ITS technologies
- Application of ITS on Safe System Approach
- Emerging mobility systems: E-Mobility, air mobility, shared mobility, autonomous mobility, etc.
- ITS field tests and implementation
- Traffic Flow Theory

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- Traffic operations and control with emerging technologies (computer vision, advanced sensors, etc.)
- Management and Mitigations of Incidents, Evacuation, Emergency Events
- Collision Avoidance Systems for Vulnerable Road Users (VRUs), Non-motorized Traffic (NMT) and Animals
- Public policy, regulatory and societal issues in ITS
- Logistics and Transportation Demand Management
- ITS for last-mile transportation
- Multi-modal and Public Transportation Management
- Future of Freight Transport, Integration with ITS and Intelligent Logistics
- Routing algorithms (dynamic, stochastic, online, robust, etc.)
- Modeling and optimization of public transit systems
- Smart cities and the Internet of Things (smart travel behavior, smart performance, smart sensing and computing, smart parking, EV charging infrastructure, travel information, smart city planning, etc.)
- Congestion Management and Avoidance (with pricing and incentive mechanisms)
- Emerging vehicle technologies and their impact on the traffic system
- Advanced Commercial Vehicles Operations System
- Electronic Payment Systems

Manuscript Submission Due: ~~27th October 2023 (AoE)~~ ~~3rd November 2023 (AoE)~~ **10th November 2023 (AoE) [Firm]**

Notification of Acceptance: 3rd December 2023

Camera-ready Submission: 10th December 2023

Workshop Date: TBD

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Submission Link: <https://edas.info/N31566>

Program Committee:

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- ✉ **Dr. Anilkumar Bachu**, IIT Patna
- ✉ **Dr. Bhavathrathan**, IIT Palakkad
- ✉ **Dr. Caleb Ronald Munigety**, Robert Bosch Engineering and Business Solutions
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Workshop Co-Chairs



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