1st Edition of IETE's 'International Conference on Smart Mobility Systems (ICSMS2025)'

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THE INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS

IETE

DSIR RECOGNIZED
RECOGNITION FOR IN-HOUSE R&D
DEPARTMENT OF SCIENTIFIC & INDUSTRIAL RESEARCH GOVT. OF INDIA

Organized by
The Institution of Electronics and Telecommunication Engineers (IETE),
at
Ambedkar Centre, New Delhi, India

25th, 26th & 27th April, 2025

Call for Papers

Exhibition Space

Sponsorship Opportunit

For details visit IETE, ICSMS2025 Website

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About the Conference

1st Edition of IETE's 'International Conference on Smart Mobility (ICSMS2025)' is an initiative from The Institution of Electronics and Telecommunication Engineers (IETE), New Delhi. These conference harness technology and data driven computations to enhance the efficiency, safety, and sustainability of transportation networks integrating various components, such as traffic management, public transit, vehicle communication, and user information systems, to enhance overall mobility.

ICSMS 2025 will serve as an invaluable platform for researchers, engineers, and industry professionals. The conference will focus on intelligent transportation systems, connectivity, and communication - key components of effective smart mobility solutions. Topics will include emerging technologies in electric vehicles (EVs), multi-modal intelligent transportation systems, the Internet of Things (IoT) in intelligent transportation systems (ITS), security considerations, human-centric AI in IoT-based transportation, data analytics, driver behavior analysis, and decision-making processes. The scope of the conference encompasses machine and deep learning applications in smart mobility, management of road, air, water, and rail traffic, vehicle safety systems, GPS-based assistance, driver and traveler support systems, automated driving system (ADS) assistance, social transportation, and intelligent mobility solutions.

The following activities are proposed for the international conference::
- Keynotes addresses by industries and academia
- Tutorials to benefit participants and students
- Presentations by authors and awards for the best papers.
- Display of ITS innovations and models
  - Social problem solving
  - Innovative models for Indian environment

Conference is likely to be sponsored/supported by Niti Aayog, CDOT, Ministry of Road Transport & Highways, DoT, Railway Ministry, NHAI, National Cyber Security Agencies etc.

01 Smart Mobility and ITS for Connected & Autonomous Vehicles

1. AI based agent for traffic and transportation systems
2. Edge AI and 3D perception on smart mobility
3. Multi-resolution simulation for service and interoperability
4. Collaborative learning in traffic and transportation models
5. LiDAR in smart communication
6. Intelligent multimodal transportation and logistics efficiency - leveraging advanced technologies to optimize operations, improve sustainability, and enhance user experience.
7. Next Generation Tolling Systems using Global Navigation Satellite System (GNSS)
8. AI based CCTV monitored surveillance
9. Connected & Autonomous Vehicles

02 Electric Vehicle (EV) and Emerging Technologies

1. Emerging transportation technologies
2. Testing methodology for standardization and industry implementation
3. Modular vehicle, urban air mobility, smart rail for sustainable development
4. Automated vehicle technologies (AVT)
5. Charging while driving – electrified road for electric vehicles

03 Intelligent Security Systems for Smart Transportation

1. Security and privacy in intelligent transportations
2. Intelligent agents for security analytics
3. Cyber security models for smart transportations
4. Cyber security for connected and automated vehicles

04 SDV and IoT in SMS

1. Software Defined Vehicles (SDV) and transportation systems
2. Cloud and edge computing for connected vehicles
3. AI and Big Data applications in smart city mobility
4. Remote driving

05 Human Centric AI in ITS

1. Future of smart and safe road: challenges in integration and scaling
2. Human centric automated driving systems
3. Collaborative learning-based AI for human centric ITS

06 Driving Data Analytics

1. Traffic flow dynamics in ITS
2. Cutting edge technologies for intelligent vehicle
3. Analytics on real world driving situations

Instructions to Authors:

Authors who wish to submit their work are kindly requested to prepare a full paper. The paper should not exceed 10 pages and must be formatted on A4-sized paper. The text should use a font size of 12, with Times New Roman as the font style. Additionally, the document should have single-line spacing (line spacing set to 1).

Paper Submission Link:

https://cmt3.research.microsoft.com/ICSMS2025

Who should participate?

- Standard bodies, Regulators, Policy makers
- Academic and Industry Personals
- Technology Companies, Startups, Incubators and Innovation Hubs

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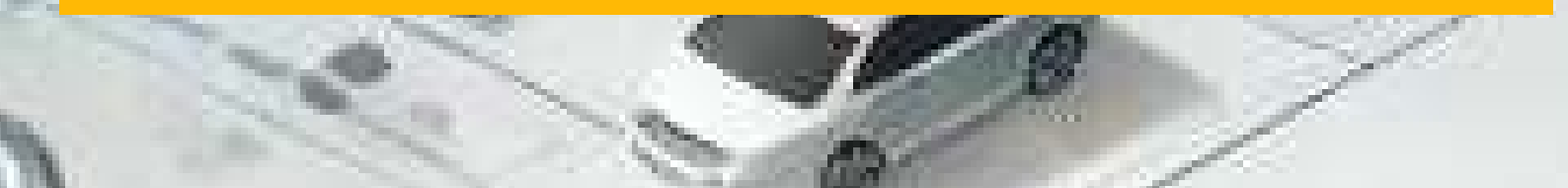- Silver Sponsor (THREE): Rs.10 Lakhs

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Important Dates:

Full Paper Submission: 31st January, 2025

Notification of Acceptance: 31st March, 2025

Submission of revised paper: 10th April, 2025

Last Date of Registration: 10th April, 2025

Conference Dates: 26th – 27th April, 2025

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For

- Govt./PSU
- ITS Industry
- Students Innovation Models
- StartUps

Venue:

Dr. Ambedkar International Centre, 15, Janpath, New Delhi-110001

IETE 71st Foundation Day celebrated on 05 Nov 2024

About IETE

The Institution of Electronics and Telecommunication Engineers (IETE) established in 1953, is India's leading recognized professional society devoted to the advancement of Science and Technology of Electronics, Telecommunication & IT. Founded in 1953. The IETE is the National Apex Professional body of Electronics and Telecommunication, Computer Science and IT Professionals.

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Published biannually, this journal features research/tutorial articles, review articles, new interpretations/extensions of known concepts, and new design ideas.

It serves more than 1,25,000 members (including Corporate, Student and ISF members) through various 63 Centres, spread all over India and abroad. The Institution provides leadership in Scientific and Technical areas of direct importance to the national development and economy. Government of India has recognised IETE as a Scientific and Industrial Research Organization (SIRO) and also notified as an educational Institution of national eminence.

The Institution of Electronics and Telecommunication Engineers (IETE) publishes several periodicals focusing on advancements in electronics, telecommunications, and related fields.