



IEEE  
International Conference  
on Smart Mobility 2024



## The Smart Mobility Triad

Smart mobility is one of the main pillars that characterizes smart cities and maintains their sustainability as a way to deal with continuously growing world urbanization and its expected impacts on public health, congestion and accelerated global climate change.

The widespread deployment and the societal acceptance of smart mobility technologies will depend not only on the maturity of the technology but also on the availability of a well-developed governance framework and the proper city planning to accommodate these evolving technologies.

**This means that smart mobility depends on a triad of complementary factors:**



Technology



City  
Planning



Governance

## Towards People-Centric, Software-defined, Connected, and Electric Mobility

Niagara Falls, Ontario, Canada

September 16-18, 2024

The International Conference on Smart Mobility (IEEE SM) is designated for reporting recent research, development and deployment results in smart mobility systems and services, their challenging problems and their potential applications. IEEE SM is where academics, technologists, OEMs, mobility service providers, city planners and policy makers can network, learn and collaborate with each other. The program of the conference features keynote and invited speeches from top thought-leaders and pioneers in the area of smart mobility, panel discussions, fully refereed papers, workshops, tutorials, industry sessions, Women in Mobility (WIM) Symposium and Triple Helix Exhibition.

## Call for Papers

The International Conference on Smart Mobility 2024 is organized into three tracks representing the smart mobility triad; technology, city planning and governance, with a list of areas in each track.

Authors shall choose a primary and an alternative area when submitting their papers. Other research areas that fall within the three tracks are also welcomed.

### Track 1: Smart Mobility Technologies

- Software-defined Vehicles
- E-mobility
- Automated Mobility
- Connected Mobility
- Micro-Mobility
- Active, Soft or Zero-impact Mobility
- Inclusive Mobility
- Disruptive Mobility Platforms
- Shared Mobility
- E-Mobility On Demand (MOD)
- Mobility as a Service (MaaS)
- Seamless Integrated Mobility Systems (SIMS)
- Vehicle-as-a-Service (VaaS)
- Location Intelligence
- Blockchain in Smart Mobility
- AI for Smart Mobility
- Last-mile Delivery
- Gig Economy and Crowdsourcing
- Passenger Economy

### Track 2: City Planning for Smart Mobility

- Intelligent Infrastructure
- EV Charging Station Infrastructure
- Vehicle to Grid (V2G)
- Vehicle to Infrastructure (V2X) Connectivity
- Transport Corridors
- Emergency Safe Spots and Safe Harbors
- Micro-mobility Stations
- Micro-mobility Highways/freeways
- Digital Road Signage
- Smart Parcel Lockers for Last-mile Delivery
- Smart Parking
- Planning for VTOLs
- Autonomous Urbanism
- Sustainable Urban Mobility Planning
- Smart Mobility within Smart Cities
- Smart Mobility and Sustainable Development

### Track 3: Smart Mobility Governance

- Open Data Policies
- Safety Verification and Validation
- Standardization
- Cybersecurity Regulation
- Liability
- Privacy and Digital Rights
- ICE Vehicle Phase-Out Plans
- Electric Vehicle Government Incentive Programs
- Autonomous Driving Legislative Frameworks
- Aviation Regulations for Urban Air Mobility (UAM)
- Maritime Laws and Regulations for Autonomous Ships
- Legislation to Support Cross-border Mobility

## Important Dates

May 3, 2024

Paper Submission  
Deadline

Jul 1, 2024

Notification of  
Acceptance

Aug 2, 2024

Camera-ready  
paper submission

Sep 16-18, 2024

Conference  
Dates

Paper Submission Link  
(for all tracks)



### Organizing Partners



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