



IEEE  
International Conference  
on Smart Mobility 2024

## 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, Summer School, Women in Mobility (WiM) Symposium, Barrier-free Accessible Mobility Pitch-off Competition, F1Tenth Challenge, and Triple Helix Exhibition.

## 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

## 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
- AutomatedMobility
- ConnectedMobility
- Micro-Mobility
- Active,SoftorZero-impactMobility
- InclusiveMobility
- DisruptiveMobility Platforms
- SharedMobility
- E-MobilityOnDemand(MOD)
- MobilityasaService(MaaS)
- SeamlessIntegratedMobility Systems(SIMS)
- Vehicle-as-a-Service (VaaS)
- Location Intelligence
- BlockchaininSmartMobility
- AIforSmartMobility
- Last-mileDelivery
- GigEconomyandCrowdsourcing
- Passenger Economy

### Track 2: City Planning for Smart Mobility

- IntelligentInfrastructure
- EVChargingStationInfrastructure
- VehicleToGrid(V2G)
- VehicleTo Infrastructure(V2X)Connectivity
- TransportCorridors
- EmergencySafeSpotsandSafeHarbors
- Micro-mobility Stations
- Micro-mobility Highways/freeways
- DigitalRoadSignage
- SmartParcelLockersforLast-mileDelivery
- SmartParking
- PlanningforeVTOLs
- AutonomousUrbanism
- SustainableUrbanMobility Planning
- SmartMobilitywithinSmartCities
- SmartMobilityandSustainableDevelopment

### Track 3: Smart Mobility Governance

- OpenDataPolicies
- SafetyVerificationandValidation
- Standardization
- Cybersecurity Regulation
- Liability
- PrivacyandDigitalRights
- ICEVehiclePhase-OutPlans
- ElectricVehicleGovernmentIncentivePrograms
- Autonomous DrivingLegislativeFrameworks
- AviationRegulationsforUrbanAirMobility(UAM)
- Maritime Laws andRegulations forAutonomous Ships
- LegislationstoSupportCross-borderMobility

### Paper Submission Link (for all tracks)



## Important Dates

May 31, 2024

Paper Submission  
Deadline

Jul 1, 2024

Notification of  
Acceptance

Aug 2, 2024

Camera-ready  
paper submission

Sep 16-18, 2024

Conference  
Dates

### Organizing Partners



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