



IEEE International Conference on Smart Mobility 2023

A Sustainable Future Starts with Smart Mobility

King Abdullah University of Science and Technology | KAUST,
March 19 - 21, 2023

The International Conference on Smart Mobility (IEEESM) is designated for reporting recent research, development and deployment results in smart mobility systems and services, their challenging problems and their potential applications. IEEESM 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.

Hybrid Conference



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 2023 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

- 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 eVTOLs
- 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
- Legislations to Support Cross-border Mobility
- Roadmaps for Smart Mobility
- Smart Mobility in the Post-pandemic World



Paper Submission Link
(for all tracks)

Important Dates

Jan. 16, 2023

Paper and Workshop
Proposal Submission

Feb. 27, 2023

Notification of
Acceptance

Mar. 13, 2023

Camera-ready
paper submission

Mar 19-21, 2023

Conference
Dates

Organizing Partners



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