Tuesday
10 December — Day 1

10:00 – 11:00	Registration and networking
11:00 – 11:10	Welcome address by conference chairman

Setting the Tone for Navigating the Intersection of Innovation and Mobility

11:10 – 11:20	**Government initiatives in next-generation mobility**
Keynote address	• Overview of Initiative projects to integrate IoT and real-time data in transportation systems • Implementing policies to increase the adoption of electric and hybrid vehicles • Creating flexible regulations to support autonomous vehicle deployment • Funding research to advance next-generation mobility technologies

11:20 – 11:30	**Policy frameworks for future transportation solutions**
Keynote address	• Establishing integrated policies to promote sustainable and efficient transportation • Developing policies that incentivize collaboration between government and private sector • Formulating policies to improve the quality and reach of public transportation • Implementing measures to reduce emissions and promote eco-friendly transport options

11:30 – 11:50	**Analyzing transformative mobility solutions for urban transportation**
Presentation	• Evaluating electric and autonomous vehicle integration • Implementing smart traffic management systems • Exploring micro-mobility options for first-last mile connectivity • Adopting sustainable urban mobility planning strategies

11:50 – 12:30	**Pioneering the future of mobility: integrating innovation and sustainability in global transportation**
Panel Discussion	• Technological Innovations: Latest advancements in autonomous and electric vehicles. • Urban Integration: Role of smart city infrastructure in enhancing mobility. • Sustainability: Strategies for achieving sustainable and eco-friendly transportation solutions. • Challenges and Opportunities: Addressing the barriers to implementing next-generation mobility technologies. • Future Roadmap: Vision for the future of global transportation and mobility

Panelists:
Jonathan Spear, Transport Policy and Strategy Advisor, **Act One**
Samantha Rowles, Operations Director, **Serco**

Autonomous Vehicle Advancements: Latest Developments and Implications

12:30 – 12:55	**Mobilizing Humanity in New Ways**
Presentation	• Exploring how traditional methods face challenges from outdated infrastructure and evolving societal needs. • Analyzing the strain on our economy and the urgent need for sustainable solutions in mobility. • Unveiling innovative approaches to redefine travel and enhance connectivity in a rapidly changing world.

Speaker:
Andres De Leon, CEO, **HyperloopTT**

12:55 – 13:20	**Revolutionizing Rail: Innovations for a Sustainable Future**
Industry Presentation	• Explore cutting-edge advancements that enhance operational efficiency and improve passenger experiences in the rail industry. • Understand the critical role of rail transport in reducing carbon emissions and promoting greener travel solutions. • Discover how collaboration within the industry can drive transformation and meet the evolving demands of a globalized society.

Speaker:
Martin Ausserdorfer, CEO, Railtraction Company (Italy), Member of the Board, **Brenner Base Tunnel**

13:20 – 13:40	**Safety Assessment Framework for Autonomous Vehicle using Digital-Twin Based Testing for Malaysian Driving Scenarios**
Panel Discussion	• Examining the technological safety advancements driving autonomous vehicles • Highlighting the importance of infrastructure development for autonomous systems • Discussing investment opportunities in autonomous vehicle technology • Exploring partnerships and collaborations to advance autonomous mobility

Speaker:
Ir. Ts. Dr. Vimal Rau Aparow, Co-Director of Smart System Research Cluster, **University of Nottingham Malaysia**

The Role of AI and Big Data in Transforming Mobility

13:45 – 14:00	**Leveraging AI and big data for future mobility advancing efficiency and personalization**
Presentation	• Discussing the role of AI in optimizing transportation systems • Exploring big data analytics for traffic flow improvement • Enhancing vehicle performance through machine learning • Examining case studies of successful AI implementations in mobility

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14:00 – 14:20	Innovative AI and big data solutions for modern mobility challenges

Presentation
- Utilizing AI to optimize urban traffic management
- Leveraging big data for predictive maintenance in transportation
- Implementing AI-driven safety measures in transportation networks

Speaker:
Susheel Sethumadhavan, Partner, Digital and Analytics Practice, **Kearney**

14:20 – 15:00	Optimizing route planning and logistics with AI-driven solutions

Fire Side Chat
- Utilizing machine learning algorithms to improve route efficiency
- Implementing real-time data analytics for dynamic route adjustments
- Enhancing logistics coordination through predictive analytics
- Leveraging AI for accurate demand forecasting and resource allocation

Speaker:
Ammar Alanazi, Director of Big Data Analytics, **General Authority for Statistics, KSA**

Smart City Integration & Transportation Networks

15:00 – 15:20	Intelligent transportation and smart cities integrating technology with urban planning

Presentation
- Examining the integration of smart technology in urban planning
- Enhancing traffic management through intelligent transportation systems
- Improving urban mobility with real-time data analytics
- Promoting sustainability in city infrastructure

Speaker:
Sheeba Hasnain, Chairwoman & CIO, **SENTIENTE**

15:20 – 15:40	Sustainable Mobility: Pioneering Green Tech and Urbanism for a Greener Future

Industry Presentation
- Explore the intersection of innovative green technologies and urban design to reshape mobility in cities.
- Discover how sustainable transportation solutions, eco-friendly infrastructure, and smart city initiatives can create cleaner, more connected urban environments
- Hear how to prioritize environmental health and enhance quality of life

Speaker:
Steven Velegrinis, Design Director, Regional Lead Cities & Urban Design, **Gensler**

15:40 – 16:15	Integrating interoperability and sustainable technologies in urban transport infrastructure

Panel Discussion
- Establishing universal standards for data communication among transportation systems
- Integrating renewable energy sources into urban transport infrastructure
- Utilizing smart grids to optimize energy efficiency in transportation networks
- Designing adaptable infrastructure to accommodate emerging technologies and urban needs

Speaker:
Eng Jabri, Head of Climatize, **SERCO**

16:15 – 16:30	Investing in smart city solutions developing efficient and sustainable urban transport networks

- Enhancing urban mobility through smart technology integration
- Promoting sustainability in urban transport networks
- Leveraging data analytics for efficient transportation systems

Speaker:
Dr Anas Bataw, Partner - Strategy and Innovation, Chairman - UN Technology Committee Executive Advisor, **WEF ConTech Investments**

16:45 – 17:00	Closing remarks by the conference chairman

17:00	Networking, and end of day one

Wednesday
11 December — Day 2

10:00 – 10:45	Registration and networking
10:45 – 11:00	Welcome address by conference chairman

Sustainable Urban Mobility: Integrating Eco-Friendly Vehicles

11:00 – 11:40 Panel Discussion	**Promoting policies and incentives for widespread adoption of eco-friendly vehicles** • Implementing tax credits and rebates for purchasing electric and hybrid vehicles • Providing subsidies for research and development of eco-friendly vehicle technologies • Introducing low-emission zones to encourage the use of green vehicles in urban areas • Creating awareness campaigns to educate the public on the benefits of eco-friendly vehicles
11:40 – 11:55 Industry Presentation	**Holistic integration of electric vehicles into urban transport systems** • Examining the development of comprehensive charging infrastructure • Discussing the role of urban planning in accommodating electric vehicles • Assessing the impact of electric vehicles on urban traffic and parking management

Speaker:
Akin Adamson, Director Middle East, **Ricardo Group**

11:55 – 12:15 Industry Presentation	**Driving sustainability in urban mobility: investments in eco-friendly vehicles and green infrastructure** • Implementing smart grid solutions to support EV charging infrastructure • Integrating renewable energy sources with urban transport systems • Utilizing data analytics to optimize energy efficiency in public transit • Designing green infrastructure to promote sustainable urban mobility solutions

Challenges and Opportunities in Urban Air Mobility

12:15 – 12:45 Presentation	**Harnessing drones and flying vehicles for the future of urban transportation** • Developing advanced navigation systems for safe and efficient urban air mobility • Integrating drones and flying vehicles into smart city infrastructure • Implementing robust communication networks for real-time control and monitoring • Addressing energy efficiency and sustainability in urban air transportation solutions

12:45 – 13:05 Presentation	**Future-proofing UAV operations: regulatory trends and strategic opportunities for sustainable growth** • Analyzing emerging regulatory trends affecting UAV operations • Identifying strategic opportunities within evolving regulatory frameworks • Implementing proactive compliance strategies to mitigate risks

Speaker:
Nayera Bahgat, Manager, Mobility, Defense and Advanced Industrials Practice, **Kearney**

13:05 – 13:45 Panel Discussion	**Urban air mobility: navigating challenges and harnessing opportunities in drones and flying vehicles** • Developing regulatory frameworks for the safe integration of drones into urban airspace • Advancing autonomous flight technology for reliable urban air mobility solutions • Ensuring cybersecurity for communication and control systems in urban air mobility • Addressing public acceptance and noise pollution concerns with innovative design solutions

Speaker:
Pedro Aguas, Principal, Mobility, Defense and Advanced Industrials Practice, **Kearney**

Future of Freight and Logistics: Innovations in Last-Mile Delivery

13:45 – 14:00 Presentation	**Enhancing efficiency, reducing costs, and promoting sustainability in innovative last-mile delivery solutions** • Implementing advanced logistics technologies to streamline last-mile delivery • Utilizing data analytics to optimize delivery routes and reduce fuel consumption • Adopting eco-friendly vehicles and sustainable practices in delivery operations • Leveraging automation and robotics to enhance efficiency and reduce operational costs
14:00 – 14:20 Presentation	**Investing in the future of logistics: transformative technologies for last-mile delivery** • Integrating IoT solutions to enhance real-time tracking and delivery efficiency • Leveraging AI and machine learning for predictive analytics in last-mile logistics • Implementing autonomous vehicles and drones for cost-effective delivery solutions • Utilizing blockchain technology for secure and transparent supply chain management
14:20 – 15:00 Panel Discussion	**Revolutionizing last-mile delivery: innovations and their impact on efficiency, cost, and sustainability** • Implementing autonomous delivery vehicles to enhance last-mile efficiency • Developing drone delivery systems for faster and more sustainable last-mile logistics • Integrating smart lockers and pickup points to streamline delivery and reduce traffic • Exploring renewable energy solutions to power eco-friendly delivery fleets

TransMobility Forum (TMF)

Wednesday
Day 2

Traffic Management & Congestion Solutions

15:00 – 15:15	Overview of innovative solutions to urban congestion

Industry Presentation
- Implementing intelligent traffic management systems for real-time congestion control
- Utilizing data analytics to optimize traffic flow and reduce bottlenecks
- Developing smart infrastructure for seamless integration of public and private transport

15:15 – 15:35	Investing in smart traffic solutions for reducing urban congestion

Industry Presentation
- Implementing smart traffic signal systems to optimize traffic flow
- Integrating IoT solutions to enhance traffic monitoring and control
- Developing public-private partnerships for funding smart traffic infrastructure

15:35 – 16:15	Innovative traffic management and congestion solutions for urban areas

Panel Discussion
- Utilizing data analytics to predict and alleviate traffic bottlenecks
- Developing smart parking solutions to reduce search traffic and congestion
- Integrating multimodal transportation options to enhance urban mobility
- Leveraging IoT and sensor technologies for comprehensive traffic monitoring

Public-Private Partnerships in Transportation

16:15 – 16:30	Driving innovation in transportation through public-private partnerships: success stories and future opportunities

Fireside Chat
- Developing smart transportation infrastructure through public-private collaboration
- Implementing innovative funding models for large-scale transportation projects
- Integrating advanced technologies in public transit systems via partnerships
- Enhancing traffic management and safety through collaborative efforts

17:15 – 17:30	Closing remarks by the conference chairman

17:30	Networking, and end of day two

TransMobility Forum (TMF)