Place & Date

29 July – 03 July 2025 | Athens, Greece

Format

Plenary sessions, technical sessions, panel discussions, workshops, and posters.
! Deadline to submit proposals: 15 December 2024. More information is available here.

Description

This Symposium titled "Navigating the Future of Traffic Management" will provide a platform for managers, traffic engineers, practitioners, and researchers to explore and discuss innovative practices, proven methods, and how technologies may assist agencies improving how they actively manage traffic and traffic on freeways, motorways, and tollways. Industry leaders and specialists from around the globe are invited and will lead discussions on the challenges, research needs, innovative approaches, and opportunities to share ideas, collaborate on identifying research needs, and explore opportunities for future collaboration and coordinating future research activities in support of improving how agencies and service providers actively manage and control traffic on the surface transportation system. The challenges lying before us show the need to team up with other international partners worldwide to look beyond traditional traffic management methods to improve safety, facilitate multimodal mobility, and tackling climate change. The event will be organized around five thematic tracks.

More information is available on the event webpage.

Thematic Tracks

Track A: **Governance and Organizational Challenges**. This track will explore the range of policies, programs, or strategies agencies may consider to optimize the operation and performance on the surface transportation system. This track will explore the potential of multimodal, intermodal, and cross-jurisdictional systems, services, and initiatives to improve safety, security, mobility, and reliability of the surface transportation system.

Track B: **Operational Strategies and Network Performance**. This track will investigate the innovating approaches agencies are using to actively manage and operate freeways and toll roads. This track will highlight the latest strategies, methods (e.g., traffic analysis tools, using emerging sources of data), and approaches for improving the safety and operation of specific lanes (e.g., managed lanes, hard shoulder running, variable speeds or speed harmonization, ramp metering), motorways, or roadway networks impacted by congested traffic, incidents (e.g., crashes), events (e.g., work zones), or emergencies (e.g., severe weather).

Track C: **Next Generation of Traffic Management Systems and Services.** The next generation of an agencies traffic management systems (TMSs) and their operations centers (TMCs) offer agencies the opportunity to improve traffic safety and mobility. To achieve these goals may involve planning and pursuing improvements, enhancing services, or developing a strategic direction charting a path to prepare for and pursue the next generation of an agencies TMSs. This track will explore opportunities agencies may consider to improve the capabilities and performance of their TMSs by taking advantage of new technologies, using innovative methods to enhance services being provided, expanding service areas, actively manage traffic, identifying incidents, and sharing of traffic and roadway condition information.

Track D: **Paying to Sustain Highway Networks**. This track will explore different approaches in project finance involving public or private partners, congestion pricing to promote reliability and efficient use of the transport system, distance-based pricing to address declining motor fuel tax revenue, safety considerations on priced roads, and how pricing and financing decisions contribute towards net zero emissions goals to meet the global climate imperative.

Track E. **Sharing Traffic Management Data Within the Roadway Digital Ecosystem.** Agencies continue to search for innovative methods or approaches to electronically share data and information involving the conditions, services, and multi-modal options associated with managing traffic on the surface transportation system within the roadway digital ecosystem. This track will explore a range of issues agencies may consider with sharing and using data electronically with emerging sources, third-party service providers, connected and automated vehicles, connected travelers, or with different types of events (e.g., construction work zones).

Supporting International Partners

1. American Society of Civil Engineers, Transportation and Development Institute
2. ASECAP
3. AustriaTech
4. Conference of European Directors of Roads (CEDR)
5. ERTICO and ERTICO TM2.0
6. European Commission DG MOVE
7. Hellastron
8. I-SENSE Group of the Institute of Communication & Computer Systems (ICCS) at the National Technical University of Athens (NTUA)
9. International Bridge, Tunnel, and Turnpike Association (IBTTA)
10. International Road Federation (IRF)
11. ITS Nationals
12. PIARC (World Road Association)

Symposium Planning Committee

- Jon Obenberger, FHWA, Chair TRB Standing Committee on ITS (ACP15), and Symposium Programme Lead
- Christos S. Xenophontos, Rhodes Island DOT, Co-Chair TRB International Coordinating Council
- Susanna Zammataro, IRF
- Martin Russ, AustriaTech
- Vlad Vorotovic and Coen Bresser, ERTICO and ERTICO TM2.0
- Steve Phillips, Conference of European Directors of Roads (CEDR)
- Tiffany Vlemmings, European Commission DGMOVE
- David Noyce, American Society of Civil Engineers, Transportation & Development Institute
- Malika Seddi, ASECAP
- Bill Halkias & Mark Muriello, International Bridge, Tunnel, and Turnpike Association (IBTTA)
- Donal Hodgins, ITS Nationals
- Johanna Tzanidaki, ITS Committee, TRB
- Valentina Galasso, IRF TC 2.4

Host - Symposium Sponsor

International Partners

In collaboration with the