

2023



INNOVATION ADVANCES TOWARDS
THE FUTURE OF MANAGING TRAFFIC

Program

26-30 June 2023

Vienna

(Status 17 April 2023)

Welcome to the 4th International Symposium on Freeway and Tollway Operations!

From 26 – 30 June 2023, you will be able to interact with up to 400 experts, attend over 40 sessions, and participate in numerous side-events, such as technical tours! This program gives you an overview of when which event takes place and where.

TRACKS

A

Governance and
Organizational
Challenges

B

Managing and
Analyzing
Operational
Strategies and
Performance

C

Next Generation
of Traffic
Management
Systems and
Services

D

Innovative
Financing to
Build and
Operate
Motorways

Focusing on the future of traffic management means looking for solutions for a sustainable, safe and efficient transport system. The TRB ISFO 2023 addresses this goal in four tracks at different levels.

Track A will provide a substantial path planning for the mission of delivering “directionality” towards common goals for all relevant stakeholders in traffic management. Also the governmental roles need to be redefined and reconsidered, to face future challenges and force the necessary solutions.

Track B investigates the latest of operational strategies for managing freeways and toll roads. The session will discuss various management methods and conducts an analysis of the strategies and their performance. During this track, you will hear about the latest strategies and performance for managed motorway, management during emergency situations, post-covid management, digital twinning and the utilization of artificial intelligence for freeway and tollway operations.

Track C The next generation of an agencies traffic management systems (TMSs) and their operations centers (TMCs) offer the potential to improve safety and mobility. To achieve these goals, it is important to build and maintain the support and resources needed to enhance services, plan and pursue improvements, and develop a strategic direction and chart a path to prepare for the next generation of the agencies TMS. Opportunities continue to emerge for agencies to improve the capabilities and performance of their TMSs by taking advantage of new technologies, advances in telecommunications, and new and emerging sources of data generated from connected and automated vehicles (CAVs), travellers using connected devices, and service providers.

Track D 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.

Monday, 26 June

08:00-09:00 Registration

Workshop: Urban Vehicle Access Regulations - a Key Tool for Future Traffic Management (WS 13)

09:00-10:25	Moderator:	Julia Düh from AustriaTech
Room: tbc	Speakers:	Vlad Vorotovic from ERTICO

Setting: tbc

Workshop: Challenges with Incorporating Connected and Automated Vehicles into Traffic Management (WS 14)

09:00-10:25	Moderator:	tbc
Room: tbc	Speakers:	Alexander Barth from DigiTrans GmbH Jacqueline Erhart from ASFiNAG Konstantinos Mattas from European Commission Hany Hassan from Louisiana State University

Setting: tbc

Workshop: Setting a Strategic Direction for Agency Traffic Management Systems (WS 1)

09:00-12:00	Moderator:	Jon Obenberger from Federal Highway Administration, TRB ITS Committee
Room: tbc	Speakers:	Fanis Papadimitriou from Attica Tollway Operations Authority Gonzalo Alcaraz from International Road Federation Geneva Daniel Lukasik from Parsons Matthew Junak from HNTB Les Jacobson from WSP Pete Marshall from HDR Matthew Hall from Department of Transport, Victoria, Australia Phil Masters from Parsons Suzanna Zammataro from International Road Federation Geneva David Graham from Gannette Flemming Mark Murriello from IBTTA

Setting: tbc

Workshop: Using Connected and Automated Vehicle Messages to Manage Traffic on Freeways (WS 9)

10:35-12:00	Moderator:	tbc
Room: tbc	Speakers:	tbc

Setting: tbc

Workshop: Traffic Infrastructure Management, Road Maintenance and Safety Evaluation (WS 10)

10:35-12:00	Moderator:	tbc
Room: tbc	Speakers:	tbc

Setting: tbc

12:00-13:15 Break

Workshop: Three Pillars of Transportation Systems Management and Operations in the United States (WS 2)

13:15-16:15 Moderator: tbc
Room: tbc Speakers: tbc
Setting: tbc

Workshop: Ecosystems to enable the sharing of Electronic Messages and Data (WS 6)

13:15-16:15 Moderator: tbc
Room: tbc Speakers: Kathrin Hagemann **from** IAV
Eric Rensel **from** Gannette Flemming
Susanne Schulz **from** Die Autobahn GmbH
des Bundes
Jacqueline Erhart **from** ASFiNAG
Setting: tbc

Workshop: Transportation Emergency Management during Significant Events (WS 12)

13:15-16:15 Moderator: tbc
Room: tbc Speakers: tbc
Setting: tbc

Workshop: Future Concepts for Managing and Operating the Surface Transportation System (WS 16)

16:15-17:45 Moderator: Alexander Walcher **from** ASFiNAG
Room: tbc Speakers: Christophe Boutin **from** ASFA
Akira Mitsuishi **from** East Nippon Expressway
Company Limited
Setting: tbc

Workshop: Sharing Mobility Data for Traffic Management (Mobility Data Spaces and Platforms) (WS 8)

16:15-17:45 Moderator: Damaris Anna Gruber **from** AustriaTech
Room: tbc Speakers: Tobias Schleser **from** ASFiNAG
Kevin T. Miller **from** tbc
Matthew Juckes **from** Aimsun
Wolfgang Schildorfer **from** FH Oberösterreich
Lucie Kirstein **from** acatech
Annet van Veenendaal **from** Nationaal
Toegangspunt Mobiliteitsdata
Setting: tbc

Workshop: Traffic Modeling and Impact Assessment (WS 3)

16:15-17:45 Moderator: tbc
Room: tbc Speakers: Tim Lomax **from** TrafficGuyTim, LLC
Setting: tbc

17:45 End

Tuesday, 27 June

08:00-09:00 Registration		
Plenary Session 1: Opening		
09:00-09:45	Moderator:	Martin Russ from AustriaTech
Room: tbc	Speakers:	Beverly Kuhn from TRB Freeway Operations Committee
		Bill Halkias from Hellenic Association of Toll Roads Network
		Henriette Spyra from Austrian Federal Ministry for Climate Action, Environment, Energy, Mobility, Innovation & Technology
		Anton Plimon from Austrian Institute of Technology
		Hartwig Hufnagl from ASFINAG
		Martin Russ from AustriaTech
Plenary Session 2: Visioning Traffic Management's Future		
09:45-11:00	Moderator:	Susanna Zammataro from International Road Federation - Geneva
Room: tbc	Speakers:	Scott Marler from AASHTO
		Holger Erhardt from YUNEX
		Michael Schuch from SWARCO
		Anouar Benazzouz from Moroccan Highways
11:00-11:30 Break		
Session 1A: Collaboration and Added Value in Traffic Management		
<p>Traffic Management is now, more than ever, recognised to be the key to not only the fluidity of traffic but is also seen as the backbone for an efficient transport system. There is a common understanding that traffic cannot be managed by one actor alone but it is rather a matter of cooperation and understanding among stakeholders at strategic, operational and tactical levels. The priorities for managing traffic are to be set by the orchestrator and while this role should be reserved for the public authorities, a number of other stakeholders should also become aligned and support the targets set for the common good. The collaboration between the public and the private sector in managing traffic is set to provide added value for users, operators and the network as a whole. This Session will feature a panel of public and private actors who are already cooperating with stakeholders from a number of sectors towards deploying interactive traffic management based on the principles of co-opetition and trust (based on the TM 2.0 concept). The panellists will share their experience and lessons learned along with the challenges faced in deploying interactive traffic management.</p>		
11:30-13:00	Moderator:	Martin Böhm from AustriaTech
Room: tbc	Speakers:	Susanne Schulz from Die Autobahn GmbH des Bundes
		Christopher Hochmuth from HERE Technologies
		Serge Van Dam from RWS
		Tobias Schleser from ASFINAG
Track A		
Session 1B: Latest Advances/Emerging Technologies used for Managed Motorways		

Managed motorways, also referred to as active traffic management (ATM) in certain geographies, is the concept managing traffic in a more “proactive” manner. This includes deployment of strategies such as variable speed limits, part-time shoulder use, dynamic lane assignment, queue warning, adaptive ramp metering, and reversible lanes among others. During this session you will hear from presenters that are implementing managed motorways/ATM using more advanced technologies and data sources.

11:30-13:00	Moderator:	Phil Masters from Parsons Corporation
Room: tbc	Speakers:	Preston Judkins from Parsons Corporation Justin Geistefeldt from Bochum University Tim Lomax from TrafficGuyTim, LLC

Track B

Session 1C: Assessing the Capabilities and Performance of Traffic Management Systems

This session will explore how essential it is to have information about the capabilities and performance to act on or incorporate efforts to enhance a traffic management system (TMS) into agency programs, plans, or allocation of resources. Takeaways from this session will include: issues to consider from assessments of TMSs into the planning, programming, and allocating of resources to improve the capabilities and performance of TMSs.

11:30-13:00	Moderator:	Pete Marshall from HDR
Room: tbc	Speakers:	Menno Malta from Monotch Sigrid Pirkelbauer from Bundesamt für Straßen ASTRA Fabrizi Paoletti from Autostrade per l'Italia – DIDT/BDO

Track C

Session 1D: Traditional Public Transportation Finance vs. Concession Models

This session will explore the differences and benefits of financing transportation infrastructure projects and funding operations and maintenance through traditional public financial models versus the approach of engaging a private concession company to design, construct, operate and maintain transportation facilities. Takeaways from this session will include: tax policy and public acceptance factors; the role of business and policy objectives in shaping the preferred approach; considerations of risk tolerance and assignment of risks. Should Concession contracts be flexible to allow for integration of technological advancements?

11:30-13:00	Moderator:	Bill Halkias from Hellenic Association of Toll Roads Network
Room: tbc	Speakers:	Claudia Luckhaus from Hochtief PPP Solutions Morteza Farajian from USDOT Build America Bureau Nikolaos Gavriliis from Globalis Insurance Agents Cherian George from CG Infracap Strategies, LLC

Track D

13:00-14:15 Break

Kapsch: How to use Data Driven Connected Services to implement Mobility Management

13:30-15:30	Moderator:	tbc
Room: tbc	Speakers:	tbc

Session 2A: Fulfilling Promises and Meeting User and Operator Needs

There is a multiplicity of specific demands in deploying traffic management, that make its balanced operation a challenging endeavour. Users demand a safe and efficient journey while operators wish to achieve balance in the system. The individual optimal may sometimes be misaligned with what is good for the public. For instance, a parent will wish to drop off his kids at the entrance of the school where safety is guaranteed in terms of other vehicles speeding on the same road, or a delivery truck may find it more convenient to enter the city centre just before the morning opening hours. At the same time, the public authority managing traffic, has to ensure that geofencing the area in both of these cases prioritises on safety and as a result neither the

parent can enter the school zone by car not the delivery truck can follow an itinerary that routes it via the city centre at this morning peak traffic hour. The promise of efficient traffic does not answer all demands at equal level and what is more, other modes of transport should also enter the picture contributing towards the balance of the mobility system in the area. This Session will feature panellists from the sector of Service providers and public authorities, who will share their experience is routing travellers through traffic and who abide to a variety of public authority set rules and demands in doing so. What does geofencing mean for them as operators and how do public authorities assign access limitations to areas within the mobility network. Both the challenges and also the benefits from synergies of action between the private and the public sector will be addressed in the Session discussion.

14:15-15:45

Moderator:

Luca Studer **from** Politecnico di Milano

Room: tbc

Speakers:

Martin Paweletz **from** ÖAMTC

Stephanie Leonard **from** TomTom

Tomi Laine **from** Traficon Ltd

Marie-Christine Esposito **from** Cheffe du bureau

information routière, systèmes d'information et C-ITS

Track A

Session 2B: Traffic Operations During Emergency and Severe Weather Events

Many agencies have faced challenges with emergency and severe weather events. This includes hurricanes, severe snowstorms, earthquakes, major hazmat spills, evacuation scenarios, etc. This session will be to discuss how freeway/tollway agencies manage/operate during these critical situations. You will hear about very specific emergency and weather events and the actions and systems that public agencies implemented to respond.

14:15-15:45

Moderator:

tbc

Room: tbc

Speakers:

Dimitris Mandalozis **from** Aegian Motorways

Fanis Papadimitriou **from** Attikes Diadromes S.A.

("Attiki Odos" - Attica Tollway Operations Authority)

Torgeir Vaa **from** Norwegian Public Road

Administration

Track B

Session 2C: Planning for the Next Generation of Traffic Management Systems

This session will consider the value of planning efforts to identify the capabilities (e.g., functions, actions, services), enhancements, and resources needed to improve the performance of traffic management systems (TMSs). Takeaways from this session will include: issues agencies may consider when planning for improvements or preparing a strategic plan to chart the future direction, goals, capabilities, and evolution of a TMS.

14:15-15:45

Moderator:

Jon Obenberger **from** Federal Highway Administration

Room: tbc

Speakers:

Patrick Hoffmann **from** Gemeente Helmond

Track C

Session 2D: Congestion Pricing: Global Experiences on Traffic, Revenue, Investment, and Operations

This session will explore the experience of congestion pricing programs across the globe and their outcomes for traffic management, revenue generation, operational impacts, and revenue investment. Takeaways from this session will include: experience in congestion reduction; use of revenue to improve public transport; ability to sustain financial goals; evidence of improved system performance; cost to operate the system; policy goals (i.e., safety benefits, air quality improvements, etc.).

14:15-15:45

Moderator:

Mark Muriello **from** International Bridge Tunnel & Turnpike Association

Room: tbc

Speakers:

Nick Wood **from** Texas A&M University

Track D

15:45-16:15 Break

SWARCO: Preparing and Classifying the Road Infrastructure in terms of its Suitability for Automated Driving

15:30-17:30 Moderator: tbc
Room: tbc Speakers: tbc

Workshop: Integrated Mobility Management (WS 4)

16:15-17:45 Moderator: tbc
Room: tbc Speakers: Johanna Tzanidaki **from** ERTICO

Setting: tbc

Track A

Session 3B: Post COVID Safety Management

Despite greatly reduced traffic volumes in a post-covid world, accidents and fatalities have increased, which includes average vehicle speed increases and increases in driver distraction. This panel will investigate this issue and which policies, strategies and technologies that can and have been applied to address these issues. Included in this discussion are methods that agencies can deploy in future similar situations.

16:15-17:45 Moderator: Panos Prevedouros **from** tbc
Room: tbc Speakers: Claire Depre **from** European Commission
Carol Kuester **from** MTC - Metropolitan Transportation Commission
Klaus Robatsch **from** Kuratorium für Verkehrssicherheit

Track B

Session 3C: Collecting and Using Connected and Automated Vehicle Data to Manage Traffic

This session will explore the potential collecting, using, and sharing electronic messages with connected and automated vehicles (CAVs) may offer public agencies. Takeaways from this session will include: possible actions to enable traffic management systems sharing and using electronic messages (e.g., advisory, warning, regulatory) with CAVs in support of with using different operational strategies (e.g., ramp metering) to improve safety and mobility.

16:15-17:45 Moderator: tbc
Room: tbc Speakers: Zuxuan Deng **from** Transportation Research Board, National Cooperative Highway Research Program
Jap Vreejsweijk **from** MAP traffic management
Kaan Ozbay **from** New York University
Sabine Kühschelm **from** CEDR

Track C

Session 3D: Distance-based Road Charging: A Solution for Declining Motor Fuel Tax Revenues?

This session will explore the declining financial contributions of motor fuel taxes with vehicle designs becoming more efficient and the growing transition to alternative fuels. Does the prospect of distance-based road-user charging fill the void and achieve transportation system objectives? Takeaways from this session will include: technological readiness, administrative costs, privacy, scalability, adapting to innovation and new technologies. The session will also touch upon implications for emissions, congestion mitigation, safety for motorists and vulnerable road users, etc.

16:15-17:45 Moderator: tbc
Room: tbc Speakers: Ansgar Knauf **from** Toll Collect GmbH
Nina Elter **from** New Road Consulting
Lauren Prehoda **from** California Department of Transportation
Gerd Nees **from** Be Mobile

Track D

Norbert Schindler **from** GNSS Consulting
17:45 End

Wednesday, 28 June

08:00-08:30 Registration

Workshop: Digital Traffic Regulations as a Basis for Dynamic Traffic Management Measures (WS 5)

08:30-10:00 Moderator: tbc
Room: tbc Speakers: tbc
Setting: tbc

Track A

Workshop: Benefits and Challenges for Integrating Fleet Operations and Traffic Management (WS 11)

08:30-10:00 Moderator: tbc
Room: tbc Speakers: tbc
Setting: tbc

Track B

Session 4C: Using New Sources of Data to Improve Traffic Management

This session will highlight the potential with using data from intelligent transportation systems, connected travellers, connected and automated vehicles, and third-party suppliers to enhance the management and operation of Traffic Management Systems (TMSs). Takeaways from this session will include: issues, challenges (e.g., proprietary data, data formats), policies, technologies (e.g., Application Programming Interfaces (APIs), data bases, software), and methods to allow TMSs to receive, process, archive, and use data from these sources.

08:30-10:00 Moderator: Gonzalo Alcaraz **from** IRF-Geneva
Room: tbc Speakers: Nick Cohn **from** Teralytics
Bernd Datler **from** ASFINAG
Jeroen Brower **from** TomTom

Track C

Session 5D: The Climate Imperative: Pricing and Finance Contributions toward Net Zero Transportation Goals

This session will consider how transportation pricing and finance decisions can contribute to net zero transportation operations. How user-payment principles can help lead the move from traditional roadways and facilities to sustainable mobility services. Takeaways from this session will include: the role of data and performance metrics in shaping program development and project priorities; pricing implications for managing indirect emissions; challenges of working with operations; risk assignment, analyses, and vulnerability assessments; cost of project finance; using asset management and for continuous improvement; the role of technology (electric vehicle charging infrastructure, autonomous vehicles, alternative fuels, etc.)

08:30-10:00 Moderator: Malika Seddi **from** ASECAP
Room: tbc Speakers: Carol Kuester **from** Bay Area Toll Authority
Emanuela Stocchi **from** Italian Concessionaires
Association
Tram Vo **from** MOBI

Track D

10:00-10:30 Break

Plenary Session 3: Improving the Value Proposition for Traffic Management

10:30-12:00 Moderator: Valentina Galasso **from** PIARC's Technical Committee on
Road Network Operations/ITS, Deloitte Consulting
Room: tbc Speakers: Angelos Amditis **from** ERTICO

Andrew Fremier **from** Bay Area Transportation Authority, IBTTA

12:00-13:15 Break

Workshop: Traffic Management and Climate Neutrality (WS 17)

13:15-14:45 Moderator: Johanna Tzanidaki **from** ERTICO
Room: tbc Speakers: Jop Spoelstra **from** Technolution
Setting: tbc Tamara Djukic **from** ERTICO

Track A

Session 5B: Use of Artificial Intelligence for Freeway and Tollway Operations

Artificial Intelligence (AI), including basic AI, machine learning (ML) and deep learning are in common use today throughout our world, this includes within transportation, e.g. autonomous driving vehicles and cell phone navigation applications. This session will explore how Artificial Intelligence technology has or can be used to improve freeway and tollway operations systems. This includes the use of cloud-based AI tools, predictive AI algorithms, machine vision, video analytics, and event prediction.

13:15-14:45 Moderator: Alex Skabardonis **from** University of California Berkley
Room: tbc Speakers: Ran Katzir **from** Valerann
Yinhai Wang **from** University of Washington
Jeff Adler **from** Kapsch TrafficCom

Track B

Session 5C: Managing Traffic Management System Assets and Resources

This session will explore the value and opportunities to use asset condition information to improve how agencies manage and operate traffic management systems (TMS). Takeaways from this session will include: how the condition of TMS assets support agencies priorities (e.g., maintenance, repair, or replace devices), allocation of resources, day-to-day activities, planning for TMS improvements, or ultimate replacement of the system.

13:15-14:45 Moderator: Gummada Murthy **from** AASHTO
Room: tbc Speakers: Daniel Lukasik **from** Parsons
David Graham **from** Gannett Fleming
Laura Cocone **from** SWARCO
Tracy Scriba **from** FHWA
Anna Huditz **from** Austrian Institute of Technology

Track C

Session 4D: Tolled Motorways and Safety

The overall worldwide goals promoted by the United Nations and European Commission is to reach a vision zero roadway incident fatalities. This session will consider whether there are discernable differences in the safety between tolled motorways and roadways without tolls, and whether differences are due to the money available for safety investments or attention to managing operations actively. Takeaways from this session will include the role of: maintenance and asset management systems; communication campaigns to targeted audiences (e.g., old vs young driver behavior); government policies for traveler behavior (seatbelt laws, speed enforcement, anti-texting and distracted driving, helmet laws for vulnerable road users, etc.); operating strategies (i.e., active traffic management, ITS, service patrols, vision zero principles); connected vehicle technology (lane keeping, emergency braking, collision avoidance, vehicle black boxes).

13:15-14:45 Moderator: Patrick Jones **from** IBTTA
Room: tbc Speakers: Gerhard Menzel **from** Austrian Federal Ministry for
Climate Action, Environment, Energy, Mobility,
Innovation and Technology
Vassiliki Mylona **from** Road Safety Institute Panos Mylonas

Track D

Angelos Bekiaris **from** Hellenic Institute of Transport
Robert Frey **from** Tampa Hillsborough Expressway
Auhtority
Darren Henderson **from** GHD, Inc.

Workshop: Managing Traffic for Planned Special Events (WS 18)

13:15-14:45

Moderator:

tbc

Speakers:

Steve Latoski **from** Mohave County (Arizona) Public
Works

Walt Dunn **from** Dunn Engineering Associates, P.C.

Tim Lomax **from** TrafficGuyTim, LLC

Room: tbc

Setting: tbc

14:45-15:00 Break

Session 3A: Innovative Methods for Sharing Data

Data sharing is key to enhanced traffic management. No one set of data and no one source of data can be solely used for the traffic management stakeholders to be able to have the full picture of what is really happening on the network. The NAPCORE Community in Europe is working under a dedicated EU funding line in order to coordinate and harmonise the structure of National Access Points (NAPs) in the EU, though which multiple sets of data from multiple sources can be accessed by any interested stakeholder. This is the largest cooperation scheme of mobility data platforms in the world and it is led by National Ministries for Transport in Europe. At the same time, the private sector is being requested to provide and make use of data offered in the NAPs while adjusting its business models accordingly. Can this be feasible when data quality is not defined? How can the private sector share data with NAPs without losing its competitive advantage? What are the lessons learned in Europe and what is the system in the US? Are all data sets to be treated in the same manner or are some data sets more important/shareable than others? This Session will discuss the experience and best practice from different countries, the potential for complementarity in activities that the various data sets offer and the potential that data offers for further innovation. The panel will feature both private and public stakeholders in traffic management who are currently very much involved in these discussions at a global level.

15:00-16:30

Moderator:

Timo Hoffmann **from** NAPCORE/German Federal
Highway Research Insitute

Speakers:

Pedro Barradas **from** ARMIS Group/ITS Portugal

Christian Kleine **from** HERE Technologies

Track A

Session 4B: Digital Twinning for the Future of Freeway and Tolling Operations

Digital Twinning is a process in which a physical object, system or a being is recreated on a virtual interface. A fully developed digital duplicate is constructed in order for it to be used for future testing, development, and experimentation. Simply put, it is a digital replica. This session will explore the possibilities for freeway and tollway design and operations to take advantage of digital twinning.

15:00-16:30

Moderator:

Steve Phillips **from** Conference of European Directors of
Roads

Speakers:

Reinhard Birke **from** NTT DATA DACH AT

Kevin O'Connor **from** Transportation Management
Services

Gerhard Greiner **from** ALP.Lab GmbH

Track B

Workshop: Intelligent Asset Management: Information-driven, integrated and sustainable (WS 7)

15:00-16:30

Moderator:

tbc

Room: tbc	Speakers:	Anna Huditz from Austrian Institute of Technology
Setting: tbc		Slawomir Heller from Heller IG
Track C		Kristina Bayraktarova from ASFINAG
Workshop: Hubs for Transit Ride Sharing (WS 15)		
15:00-16:30	Moderator:	Marko Jandrisits from tbc
Room: tbc	Speakers:	tbc
Setting: tbc		
Track D		
16:30-16:45 Break		
Plenary Session 4: Improving Traffic Management - Collaboration and Research Opportunities		
16:45-18:00	Moderator:	Caroline Almeras from ECTRI
Room: tbc	Speakers:	Johanna Tzanidaki from ERTICO
		Marjolein Masclee from RWS (Dutch Ministry)
18:00 End		

Poster Sessions

From Monday to Wednesday, you will find posters in the foyer that have been submitted by individuals that want to provide an additional input to our four tracks. During the coffee breaks, those who are interested can participate in discussions with the respective authors of the posters.

Side events

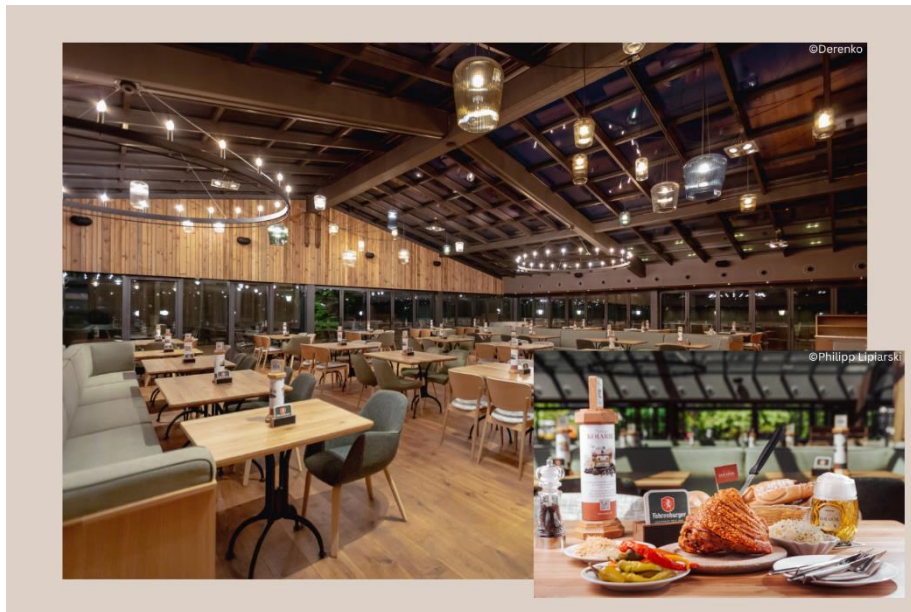
Monday, 26 June

TM2.0 Steering Board	
When: tbc	Where: tbc

Tuesday, 27 June, 18:30

Networking Dinner at Luftburg

This year's TRB ISFO participants can join a Networking dinner at Luftburg. This restaurant does not only serve everything from traditional Viennese cuisine to vegetarian and vegan dishes and drinks in 100% organic quality but is also located in the world famous "Wiener Prater" amusement park.



f.l. ©Derenko ©Philipp Lipiarski

Thursday, 29 June

2 nd ASECAP Sustainability Forum (separate registration)	
When: 09:00-17:00	Where: The Stage, TechGate Vienna
REGISTER HERE	
TRB International Coordinating Council (ICC) Mid-Year Meeting	
When: tbc	Where: tbc
TRB Standing Committee on ITS	

When: tbc	Where: tbc
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Friday, 30 June

Technical Tours addressing Traffic Management System and ITS

Information related to the Technical Tours as well as registration for them will be available soon.

Other side events will be confirmed soon.

Host and Organizers

austriatech

Co-Organizers

NATIONAL ACADEMIES Sciences Engineering Medicine

TRB TRANSPORTATION RESEARCH BOARD

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Transportation Research Board Committees and Council

- Freeway Operations Committee (ACP20)
- Artificial Intelligence and Advanced Computing Applications Committee (AED50)
- Intelligent Transportation Systems Committee (ACP15)
- Active Traffic Management Joint Subcommittee (ACP20-5)
- Managed Lane Committee (ACP35)
- International Coordinating Council (A0020C)



IBTTA
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ITS austria