



26-30 June **2023**
Vienna

**INNOVATION ADVANCES TOWARDS
THE FUTURE OF MANAGING TRAFFIC**

FOREWORD Martin Russ

Traffic management is an important topic when it comes to traffic flow and safety. In recent years, however, climate protection has also played an increasingly important role. Therefore it was crucial to us to take up this aspect in addition to the classic topics and to discuss it internationally. Together with the Federal Ministry for Climate Action, the AIT, and ASFINAG, we would like to use this stage for the en-

tire Austrian community. After all, Austria is very active in the field of traffic management and can present exciting solutions and international success models. Therefore, the symposium is the ideal opportunity for us to actively shape the future of traffic management.

I look forward to the information on new approaches to solutions from research, insights into new

trends and the exciting workshops in which the next steps and building blocks are considered together. When it comes to the future of transport and mobility management, TRB is the place to be for me. We are looking forward to welcoming you in Vienna and to having open and fruitful discussions on the future of traffic management!



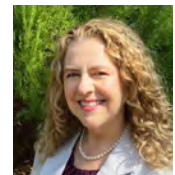
Martin Russ
Managing Director
at AustriaTech and
National Host of
the TRB ISFO 2023

FOREWORD Beverly Kuhn

It is a great honor to welcome you to the 4th International Symposium on Freeway and Tollway Operations. The active managing and operation of traffic involves the cooperation and collaboration among organizations to identify issues, consider improvements and develop information of interest to other organizations. Since its first edition in 2006 we have taken the

development of traffic management to a new level. The idea of this symposium was to create a space for an open minded and future-oriented exchange between policy, road operators, service providers and research. There is a potential for the next generation of agencies traffic management systems to have the capabilities to accommodate future changes in a manner

that does not require substantial changes to the system. We invite everybody to join the symposium and explore together the possibilities and challenges of future traffic management.



Beverly Kuhn
Division Head at Texas
A&M Transportation
Institute and Chair
of the International
Program Committee



Get involved and submit
a poster or a student paper
till 15 March 2023!!

5 Days

4 Tracks

Up to
400 Experts

More than
30 sessions

Additional **Tech-**
nical Visits

Additional
back-to-back
Events

The challenges lying before us show the need to team up with other international platforms worldwide and to look beyond traditional traffic management to facilitate both multimodal mobility offers and tackling climate change. Innovative solutions and building blocks like digital transport infrastructure can open new paths for a sustainable, future-proofed traffic management.

**A unique event beyond
classic traffic management**



WHY ATTEND?

This 4th International Symposium on Freeway and Tollway Operations will provide a platform for managers, traffic engineers, practitioners, and researchers to discuss and share their opinion on “The Future of Managing Traffic”. Industry leaders and specialists from around the globe are invited and will lead discussions on the challenges, research needs and innovative approaches to collaborate with other agencies and service providers to improve how they actively manage and control traffic on the surface transportation system.

For more Information
visit the Website
www.austriatech.at/isfo2023

WHY ATTEND?

PROGRAM Monday, 26 June 2023

Schedule	Workshops	Workshops	Workshops
08:00 - 09:00	Registration		
09:00 - 10:25	Setting a Strategic Direction for Agency Traffic Management Systems (WS 1)	Urban Vehicle Access Regulations - a Key Tool for Future Traffic Management (WS 13)	How to implement connected and automated logistic solutions into the overall traffic management? (WS 14)
10:35 - 12:00		Using Connected and Automated Vehicle Messages to Manage Traffic on Freeways (WS 9)	Traffic Infrastructure Management, Road Maintenance and Safety Evaluation (WS 10)
12:00 - 13:00	Lunchbreak		
13:00 - 16:00	Three Pillars of Transportation Systems Management and Operations in the United States (WS 2)	Ecosystems to Enable the Sharing of Electronic Messages and Data (C-ITS and more) (WS 6)	Traffic Operations during Emergency and Severe Weather Events (WS 12)
16:00 - 17:30		Sharing Mobility Data for Traffic Management (Mobility Data Spaces and Platforms) (WS 8)	Traffic Modeling and Impact Assessment (WS 3)
17:30	End		

TRACKS

A

Governance and Organizational Challenges

B

Managing and Analyzing Operational Strategies and Performance

C

Next Generation of Traffic Management Systems and Services

D

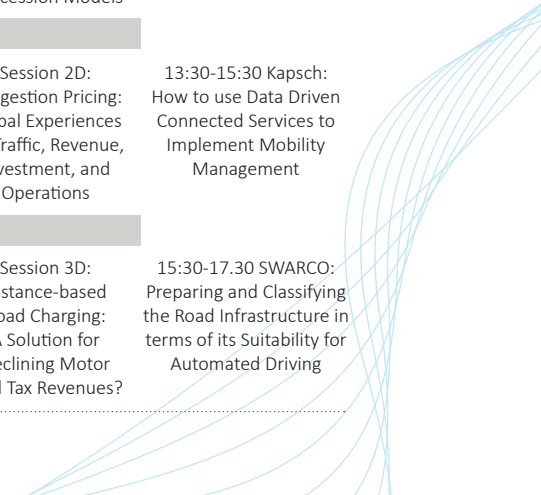
Innovative Financing to Build and Operate Motorways

PROGRAM

PROGRAM Tuesday, 27 June 2023

PROGRAM

Schedule	Plenary Sessions	A	B	C	D	Additional Sessions
08:00 - 09:00 Registration						
09:00 - 09:45	Plenary Session 1: Opening					
09:45 - 11:00	Plenary Session 2: Visioning Traffic Management's Future					
11:00 - 11:30 Break						
11:30 - 13:00		Session 1A: Collaboration and Added Value in Traffic Management	Session 1B: Latest Advances/Emerging Technologies used for Managed Motorways	Session 1C: Assessing the Capabilities and Performance of Traffic Management Systems	Session 1D: Traditional Public Transportation Finance vs. Concession Models	
13:00 - 14:00 Lunchbreak						
14:00 - 15:30		Session 2A: Fulfilling Promises and Meeting User and Operator Needs	Session 2B: Traffic Operations During Emergency and Severe Weather Events	Session 2C: Planning for the Next Generation of Traffic Management Systems	Session 2D: Congestion Pricing: Global Experiences on Traffic, Revenue, Investment, and Operations	15:30-15:30 Kapsch: How to use Data Driven Connected Services to Implement Mobility Management
15:30 - 16:00 Break						
16:00 - 17:30		Session 3A: Innovative Methods for Sharing Data	Session 3B: Post COVID Safety Management	Session 3C: Collecting and Using Connected and Automated Vehicle Data to Manage Traffic	Session 3D: Distance-based Road Charging: A Solution for Declining Motor Fuel Tax Revenues?	15:30-17:30 SWARCO: Preparing and Classifying the Road Infrastructure in terms of its Suitability for Automated Driving



PROGRAM Wednesday, 28 June 2023

Schedule	Plenary Sessions	A	B	C	D
08:00 - 08:30	Registration				
08:30 - 10:00		Session 4A: Integrated Mobility Management (WS 4)	Session 4B: Digital Twinning for the Future of Freeway and Tolling Operations	Session 4C: Using New Sources of Data to Improve Traffic Management	Session 4D: Tolled Motorways and Safety
10:00 - 10:30	Break				
10:30 - 12:00	Plenary Session 3: Improving the Value Proposition for Traffic Management				
12:00 - 13:00	Lunchbreak				
13:00 - 14:30		Session 5A: Traffic Management and Climate Neutrality (WS 17)	Session 5B: Use of Artificial Intelligence for Freeway and Tollway Operations	Session 5C: Managing Traffic Management System Assets and Resources	Session 5D: The Climate Imperative: Pricing and Finance Contributions toward Net Zero Transportation Goals
14:30 - 14:45	Break				
14:45 - 16:15		Session 6A: Digital Traffic Regulations as a Basis for Dynamic Traffic Management Measures (WS 5)	Session 6B: Benefits and Challenges for Integrating Fleet Operations and Traffic Management (WS 11)	Session 6C: Intelligent Asset Management: Information-driven, integrated and sustainable (WS 7)	Session 6D: Hubs for Transit Ride Sharing (WS 15)
16:15 - 16:30	Break				
16:30 - 17:45	Plenary Session 4: Improving Traffic Management - Collaboration and Research Opportunities				

PROGRAM

INFO

1 Day Ticket

includes 1 Day of the Symposium
(26., 27. or 28.6.2023)

Full Ticket

includes all 3 Conference Days
+ access to the ASECAP Sustainability Forum (partner event, further information coming soon)

Early Rate available till 1 April 2023

Advanced Rate available from
2 April – 16 June 2023

Online Registration is open till
16 June 2023

Payment methods
credit card

Location

TechGate Vienna
Donau-City-Straße 1
1220 Vienna, Austria

Contact

www.austriatech.at/ISFO2023
ISFO2023@austriatech.at

PROGRAM Thursday, 29 June 2023

2nd ASECAP Sustainability Forum (separate registration)

AASHTO Committee on Transportation System Operations Meeting (invitation only)

TRB Freeway Operations Committee Meeting (public, no registration needed)

TRB ITS Committee Meeting (public, no registration needed)

Technical Tours addressing Traffic Management System & ITS (details and registration coming soon)

PROGRAM Friday, 30 June 2023

Technical Tours addressing Traffic Management System & ITS (details and registration coming soon)

REGISTRATION

Schedule	Full Ticket	1 Day Ticket
Students	190 EUR	
Early Speaker	490 EUR	250 EUR
Early Regular	590 EUR	300 EUR
Advanced Speaker	590 EUR	300 EUR
Advanced Regular	690 EUR	350 EUR
OnSite Speaker	590 EUR	300 EUR
OnSite Regular	790 EUR	400 EUR
Networking Dinner (27 June 2023)		120 EUR

All prices exclusive 20 % VAT.

REGISTRATION

HOST & ORGANIZER

austriatech

CO-ORGANIZER

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TRANSPORTATION RESEARCH BOARD

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The Better Way. Every Day.

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INTERNATIONAL PARTNERS

ASCE AMERICAN SOCIETY OF CIVIL ENGINEERS

AASHTO

ASECAP

ITSNATIONALS

IRF International Road Federation
Fédération Routière Internationale
Federación Internacional de Carreteras

Transport Research Board organizations

Freeway Operations (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)

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ERTICO
ITS EUROPE

IBTTA
TOLLING. MOVING SMARTER.

CEDR
Conférence Européenne des Directeurs des Routes
Conference of European Directors of Roads

TM 2.5

T&D
TRANSPORTATION & DEVELOPMENT INSTITUTE

ACP20
FREWAY OPS

NATIONAL PARTNERS

Federal Ministry Republic of Austria
Climate Action, Environment, Energy, Mobility, Innovation and Technology

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AIT | **AUSTRIAN INSTITUTE OF TECHNOLOGY**

AISIFIiNIAIG

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Detailed information, registration and paper submission

www.austriatech.at/isfo2023 | ISFO2023@austriatech.at