



Innovation: Charting Pathways to Sustainable Mobility

20 – 21 October, 2021

www.irfnet.ch

Introduction

On **20-21 October**, IRF will be hosting its annual autumn conference online under the theme **“Innovation: Charting Pathways to Sustainable Mobility”**. While the whole conference will be in English, **Chinese-English** simultaneous interpreting will be also available.

With fast-growing populations leading to significant urbanisation, the demand for new transport infrastructure is predicted to see massive growth in coming decades. The new challenges: the increasing expectations of businesses, service users, and the public and the need to reduce carbon emissions and waste.

For the road sector, this means finding innovative ways to fulfil the need of building **new roads**, maintaining, upgrading and operating the **existing road network**, while aligning these actions with the provisions of the **Paris Agreement** – targeting lower greenhouse gases – and those of the **SDGs** looking for an equitable, safe and sustainable mobility for all.

Our collective task: create a truly safe, sustainable, and efficient **multi-modal transportation system**. For this to happen, we need to learn to think and do things differently.

The arrival of **new digital technologies** is enabling efficiency improvements in existing transport systems, as well as making them more **user-friendly** and **sustainable**. Integration across transport networks and modes is driven by the growing ability to make real-time system data and information available to operators and users.

None of the extraordinary mobility changes we are witnessing would be possible without proper **infrastructure**. Yet transforming mobility requires more than just technology and infrastructure. Transforming mobility requires **innovation** on all fronts: in the way we think, we plan, we design, and we deliver and manage transport systems.

Gold Sponsors



Hellenic
 Association of
 Toll Road Network

Silver Sponsor



With the support of



PROGRAMME

DAY 1 – 20 October 2021 (9:00-12:30 CEST)

Welcome Speech	
09:00-09:05	Susanna Zammataro, Director General, IRF
Opening Session	
09:05-09:30	<ul style="list-style-type: none">• Bill Halkias – President, IRF• Massimo Schintu – President, ASECAP• Neil Pedersen – Executive Director, Transportation Research Board (TRB)• Angelos Amditis – President, ERTICO• Mr Liu Wenjie – Secretary General CHTS & BRITA <p>Keynote Speaker Dr. Nancy Vandycke – Manager, SuM4All Programme, the World Bank</p>
Session 1: Investing in Road Safety	
09:30-10:30	<p>Moderator: Susanna Zammataro – Director General, IRF</p> <ul style="list-style-type: none">• Binyam Reja – Practice Manager and Acting Global Director of Transport, World Bank• <i>Promoting Clarity to Facilitate Sustainable Investment</i> Malaya Zumel – Regional Transport Coordinator, EIB• Nneka Henry – Head, United Nations Road Safety Fund (UNRSF)• <i>Applying an Impact Lens to Investing in Road Safety</i> Jane Newman – International Director, Social Finance• <i>Innovation for a Safer Road Infrastructure</i> Dan Chen – President, 3M Transportation Safety Division• <i>Driving Culture. The Journey to Embed Road Safety in the Private Sector</i> Elizabeth Waller – Road Safety Manager, Transurban

IRF Innovation Updates

10:30-11:00

Moderator: Dimitris Mandalozis – Chief Operations Officer, Aegean Motorway S.A.

- *Enhancing the Resilience of Transport Infrastructures to Climate Change*
Valerio Molinari – Company’s Majority Shareholder, Ecogest
- *Improving Post-crash Response*
Emma Maclennan – Director, Eastern Alliance for Safe and Sustainable Transport (EASST)
- *Optimisation-based Traffic Management Model for Signalized Intersections*
Ziya Çakici – Professor Assistant, Izmir Democracy University/Turkish Road Association

Session 2: Unleashing the Potential of Digitalisation in the Road Sector

11:00-12:25

Moderator: Angelos Bekiaris – Director CERTH

- *Infrastructure Digitalisation and Mobility Future*
Dr. Clarissa Han – National Leader, Sustainability & Resilience, Australian Road Research Board (ARRB)
- *Boosting the Automation of Infrastructure Maintenance: The OMICRON Project*
Federico di Gennaro – Head of Strategic Projects, OMICRON Project, AISCAT Servizi
- *The Autonomous Road Inspector*
Estibaliz Barañano – General Manager, ASIMOB
- *AiRAP – Using Big Data for Road Safety*
Monica Olyslagers – Global Innovation Manager, AiRAP
- *Critical Issues in Researching Sustainable Mobility: ADAS and Infrastructure*
Rik Nuyttens – Senior Manager Regulatory Affairs EMEA Region, 3M Transportation Safety Division
- *Moving from Silos to Digital Smart Infrastructure*
Nikolaus Stieldorf, Global Business Development Manager, SWARCO

Closing Day 1

12:25-12:30

Bill Halkias, President, IRF

PROGRAMME

DAY 2 – 21 October 2021 (9:15-12:30 CEST)

Recap Day 1	
09:25 – 09:30	Moderator: Susanna Zammataro, Director General, IRF
Session 3: Embedding Sustainability in Infrastructure Projects	
09:30-10:30	<p>Moderator: Maruxa Cardama – Secretary General, Slocat</p> <p>Keynote Speaker</p> <ul style="list-style-type: none">• <i>ADB Emerging Areas of Support: Embedding Sustainability into Infrastructure Projects</i> James Leather – Chief of Transport Sector Group, Asian Development Bank (ADB)• <i>Sustainable Roads: Reimagining the Future of Road Networks</i> Mike Evans – Global Highways Lead, ARUP• <i>Charting the Pathway to the ASECAP Sustainability Report</i> Emanuela Stocchi – Director of International Affairs, AISCAT - Chair RS and Sustainability, ASECAP• <i>Smart Highways Require Long-term Innovation Investments</i> Konstantinos Koutsoukos – President, HELLASTRON• <i>Tools for Evaluating and Measuring Sustainability in the Roads Sector</i> Liesbeth Casier, Senior Policy Advisor & Laura Turley, Associate – International Institute for Sustainable Development (IISD)
IRF Start-up Label Finalists – Pitching Session	
10:30-11:00	<p>Moderator: Gonzalo Alcaraz – Senior Manager Membership & Innovation, the International Road Federation</p> <ul style="list-style-type: none">• Nicolas Miravalls – CEO, Oris• Sophie Foucque – CEO, Michelin DDI• Evangelos Mitsakis – CEO, Deeptraffic• Karim Ali – CEO, Invision AI• José Triano – CEO, HyperviSoul

Session 4: Embracing the New Trends in Road Transport

11:00-12:25

Moderator: Anthony Marshalls – Advisor, 2MPy

- *Shaping the New Smart and Sustainable Mobility of Tomorrow*
Angelos Amditis – President, ERTICO
- *Applying Technology for Road Safety in Korea*
Seong-ik Oh – Director, Ministry of Land, Infrastructure and Transport (Korea)
- *The Next Generation of Road User Charging*
Caroline Traynor – Associate, ARUP
Geraldine Walsh – Head of Road User Charging, Transport Infrastructure Ireland
- *Innovative Solutions to Plan and Manage Mobility*
Martí Jofre – Managing Partner, FACTUAL
- *Climate Resilient Sustainable Road Pavement Surfacing*
Dr. Gurmel S. Ghataora, Senior Lecturer & Abeba Demessie, PhD Student, Research Coordinator – CRISPS Project, University of Birmingham
- *Digital Transport for Africa: Unlocking the Power of Transit Data*
Iman Abubaker – Urban Mobility Project Coordinator, WRI Africa

Closing

12:25-12:30

Special Announcement by IRF President, Bill Halkias

About the Organiser



International Road Federation
Fédération Routière Internationale
Federación Internacional de Carreteras

The International Road Federation (IRF) is a global, independent, not-for-profit organisation with headquarters in Geneva, Switzerland. Active since 1948, IRF is a membership-based organisation, representing leading corporate and institutional players drawn from the road and mobility sectors worldwide. Its mission is to promote the development of roads and road networks that enable access and sustainable mobility for all. Its approach is centred on key strategic components of knowledge transfer & information sharing, connecting people, businesses and organisations, and working on policy & advocacy. www.irfnet.ch

IRF Annual Conference 2021 Sponsors

Gold Sponsors



From improving brightness of our pavement markings for better visibility in wet conditions, 3M is dedicated to improving traffic safety and mobility on a global level—for every driver. Every vehicle. Every road. Our mission is to make sure families, commuters, pedestrians and road workers all get home safely. That's why we're pursuing a future of zero deaths on the road. To reach this goal, we continually work to provide high visibility products for roadway projects. Whether you're constructing a new road, re-paving an existing road or planning a road for the future, we have the product portfolios you need to reach your goals.

www.3m.com



The Organisation "HELLENIC ASSOCIATION of TOLL ROAD NETWORK" with the distinctive title "HELLASTRON" was founded in late 2014 with the participation of all modern motorways and toll infrastructures operating in Greece and in particular: Attiki Odos, Gefyra Rio-Antirrio, Egnatia Odos, Nea Odos, Moreas, Olympia Odos, Aegean Motorway and Kentriki Odos. The organisation was created with the overall aim to promote road transport in Greece.

www.hellastron.com/en/

Silver Sponsor



Together for Safer Roads is a corporate social accelerator, leveraging private-sector technology, data and expertise to prevent traffic crashes, injuries and fatalities around the world. As a global NGO, we work with government, businesses and community stakeholders on local projects, fleet safety management and technology initiatives. TSR was started in conjunction with the UN's Decade of Action for Road Safety and has partners around the world. TSR's members include AB InBev, AT&T, Autoliv, CalAmp, Geotab, Marsh, PepsiCo, Republic Services, Samsara, UPS and others.

www.togetherforsaferroads.org

With the support of



The China Highway Society is a national, academic, non-profit legal person social organization voluntarily formed by scientific and technical workers and units in the field of highway transportation and related sciences nationwide and registered in accordance with the law, which is a bridge and link between the Party and the government and scientific and technical workers, and an important social force to promote the development of highway transportation science and technology.

www.chts.cn