



in partnership with



International Symposium on Traffic Signs & Pavement Markings



Zagreb, Croatia
October 3-4, 2019



About



The International Road Federation is a global not-for-profit organization, headquartered in Washington, DC since 1948 and supported by regional offices throughout the world. The IRF serves a network of public and private sector members in more than 70 countries by providing world-class knowledge resources, advocacy services, and continuing education programs which together offer a global marketplace for best practices and industry solutions.



The Faculty of Transport and Traffic Sciences was founded in 1984 as an independent scientific, teaching and research institution of special public interest. Today, the Faculty of Traffic and Transport Sciences successfully assumes the role of a frontal institution in promoting science, academia and expertise in the field of traffic and transportation in the Republic of Croatia. Apart from teaching, the Faculty of Transport and Traffic Sciences carries out numerous scientific research and development projects and traffic studies with the aim to create a rational and efficient transport system in the Republic of Croatia and other countries.

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About

The Symposium

Traffic signs & pavement markings have been in use for over 100 years to provide essential guidance and delineation of the travel path.

In the ensuing years, the performance of these systems has been greatly expanded with the introduction of retroreflective optics to increase visibility at night and in wet night time conditions.

Today, well designed and maintained traffic signs & pavement markings have proven safety benefits. Drivers able to understand the road environment and make informed decisions are less prone to run-off road accidents.

In the future, however, human-led vehicles will slowly give way to partial-to-full automated vehicles operating in expanding conditions. How can agencies prepare for this trend while continuing to provide safe and efficient travel for today's drivers?

This symposium will take stock of international experience in the design and maintenance of traffic signs and pavement markings, and of global efforts to roll out new guidelines for connected & autonomous driving, through a cross-sector panel of road agencies, research institutions and industry stakeholders.

Objectives

- Understand the value of markings & signs as a key pillar of road safety strategies
- Fast track the deployment of recent innovations in materials & applications
- Support the development of guidelines for the introduction of connected & autonomous driving

Who Should Attend?

- Road Authorities & Operators
- Road Design Consultants
- Manufacturers & Distributors
- Research institutes
- Asset management specialists
- Maintenance Personnel
- Academia

Speakers



Oleg Butković
Minister of the Sea,
Transport & Infrastructure



Tomislav Josip Mlinarić
Dean of the Faculty
of Transport and
Traffic Sciences



Josip Škorić
Croatia Roads
CEO



Michael G. Dreznes
International Road
Federation
Executive Vice President



Harald Mosböck
European Union Road
Federation (ERF)
Vice President



Paul Carlson
Road Infrastructure Inc.
Chief Technology Officer



Darko Babic
Faculty of Transport
and Traffic Sciences
Department for Traffic
Signalling
Associate Professor



Timothy Gates
Michigan State
University
Professor



Anđelko Ščukanec
Faculty of Transport
and Traffic Sciences
Head of Department
for Traffic Signalling



Scott O. Kuznicki
Modern Traffic
Consultants
President



Gernot Sauter
3M Europe
Technical Manager



Gonçalo Grilo
Potters
R&D Manager



Marko Ševrović
Faculty of Transport
and Traffic Sciences
Head of Transport
Planning



Tomasz Burghardt
Swarco
R&D Project Manager



Robert N. Dingess,
Mercer Strategic
Alliance
President



Siegfried Grosskopf
Parsons
Road Safety Manager

Speakers

Schedule-at-a-Glance

October 3	Traditional Benefits of Signs & Markings for Human Drivers
11:00-12:30	Demonstration of survey equipment
14:00-14:30	Welcome and high-level addresses <i>H.E. Oleg Butković, Minister of the Sea, Transport & Infrastructure</i> <i>Tomislav Josip Mlinarić, Dean, Faculty of Transport & Traffic Sciences</i> <i>Josip Škorić, CEO, Croatia Roads</i> <i>Michael Dreznes, IRF Executive Vice President</i>
14:30-15:30	Understanding the safety benefits of highly conspicuous traffic signs & pavement markings <i>Dr. Paul Carlson, CTO, Road Infrastructure Inc.</i> <i>Gernot Sauter, Technical Manager, 3M Europe</i> <i>Dr. Timothy Gates, Michigan State University</i>
Coffee break	
16:00-16:30	Driver Behavior related to Improved Signs and Markings <i>Dr. Timothy Gates, Michigan State University</i> <i>Dr. Tomasz Burghardt, Swarco</i>
16:30-17:30	Effective Asset Survey Management Strategies <i>Dr. Darko Babić, FPZ</i> <i>Siegfried Grosskopf, Parsons</i> <i>Dr. Marko Ševrović, FPZ</i>
Reception & demonstrations	

Schedule-at-a-Glance

October 4	Signs & Markings for Automated Vehicle Technologies
8:30-10:00	Reading the Road Ahead <i>Harald Mosböck, Vice President, European Union Road Federation</i> <i>Scott O. Kuznicki, P.E., President and Managing Engineer, Modern Traffic Consultants</i> <i>Dr. Marko Ševrović, FPZ</i>
Coffee break	
10:30-12:00	Preparing Highways for AV Technologies <i>Dr. Paul Carlson, CTO, Road Infrastructure Inc.</i> <i>Gernot Sauter, Technical Manager, 3M Europe</i> <i>Robert N. Dingess, President, Mercer Strategic Alliance, Incorporated</i> <i>Gonçalo Grilo, Potters-France</i>
12:00	Symposium Conclusions

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