IRF GLOBAL

Knowledge Partner

sta Smart Transportation Alliance

Road Network Safety Management in Fast-Motorizing Economies

Making Roads Safer by Design™

Malaga, Spain
March 30-31, 2017

Workshop

The Road Industry's Most Trusted Brand in Continuing Education

For more than 50 years, an essential part of the IRF's mission has been the organization and delivery of training courses that provide continuing professional development for individuals and contribute to the dissemination of knowledge and expertise throughout the world.

As a strong believer in continuing education, the IRF provides members, as well as road professionals worldwide with educational opportunities that are recognized by engineering and transportation societies worldwide. The IRF's Global Training Curriculum provides technical expertise in classroom and practical settings where attendees can learn from and have direct access to seasoned professionals. Each course not only provides the most relevant, up-to-date information and best practices and solutions, but is also designed to assist attendees in learning to correctly apply the knowledge gained.

IRF Workshops are specifically developed to meet the needs of today's highway managers. Whether you are a representative of a highway agency, a member of a financing institution, consultant or contractor, IRF workshops will give you the necessary tools to make improvements in your organization. Our mission is facilitate road progress whenever and wherever we can by organizing constructive events, furnishing needed information and assisting with the training and transfer of best practices and technologies around the world.

As Chairman of the International Road Federation, I encourage you to make the most of these opportunities and help fulfill the IRF's vision of better roads for a better world.

Abdullah A. Al-Mogbel
IRF Chairman

About the IRF

OUR MISSION: Building Partnerships

We assist countries in progressing towards better, safer and smarter road systems.

We develop and deliver world-class knowledge resources, advocacy services, and continuing education programs, which together offer a global marketplace for best practices and industry solutions.

We serve a wide range of member organizations from both the public and private sectors of the road and transport industry. Together, we form a global network for information exchange and business development.

We invest in the next generation of transport leaders. Since 1949, the IRF has awarded educational scholarships to individuals in 119 countries to pursue careers in the road and transport industry.

OUR VISION: Better Roads. Better World

We believe that well-planned, safe, accessible and environmentally sound road networks are fundamental building blocks for human and economic development.

We are committed to increasing road and transport investments to meet the demands for safe and efficient travel and flow of goods and services to help improve the lives of people worldwide.

We engage with governments, development institutions, businesses, and academia around the world to make our vision a reality.

About the STA

The Smart Transportation Alliance (STA) is a not-for-profit global collaborative platform for transportation infrastructure innovation across modes and the Smart City.

Course Description

The incidence of road crashes continues to rise at an alarming rate, and is now a leading cause of death and serious injury among young adults in middle-income countries. Economic progress alone will not automatically deliver better road safety performance, and in fact frequently accompanies a phase of increased motorization and higher exposure to injury risk. Transformational changes in the safety management of the road are therefore needed to reduce fatal and serious road crashes.

"Road Network Safety Management in Fast-Motorizing Economies" is a forum and certified workshop for road professionals aimed at delivering practical pathways to improved road safety performance through policies and measures that target recurrent road safety management and engineering weaknesses found in countries experiencing high growths in vehicle and motorcycle ownership.

Event Objectives

During the event, participants will receive the necessary theoretical background and applied practices on traffic injury risk diagnosis and reduction to ensure their programs and investments are adequately dimensioned and targeted. Using internationally accepted guidelines, participants will also be exposed to complementary aspects of safe road and roadside management, including the correct selection and application of safety equipment based on site conditions. As part of the workshops, delegates will be presented with relevant case studies, and benefit from interaction opportunities with world-class instructors.

Learning outcomes:

- Focus on road deficiencies that lead to severe and fatal injuries;
- Identify the risk factors that contribute to a higher prevalence of serious and fatal traffic injuries among vulnerable road users;
- Identify the different network safety management tools available to practitioners;
- Identify data sources available to support decision making and how to overcome integrity & quality issues;
- Learn about global best practices and concepts for roadside safety, and how to determine the appropriate roadside safety measure;
- Recognize the need for proper, tested roadside safety hardware and other roadside safety countermeasures;
- Understand the scope of, and correctly utilize national and international reference manuals;
- Learn how to present findings to decision makers and make a compelling case for safety investments.

Target Audience

- Road Agency Executives
- Highway and Street Engineers
- Traffic Safety Professionals
- Planners
- Design Consultants
- Law Enforcement
- Research & Academia
- Contractors
- Road Product Suppliers & Distributors

Venue

'Hall of Mirrors' Málaga City Hall (Ayuntamiento),

Avenida Cervantes, 4, 29016

Málaga, Spain

DAY 1

09:30 - 13:00 (registration from 08:30)	**Opening Remarks** *D. Francisco de la Torre Prados. Mayor. Málaga* **Quantifying the economic burden of RTIs & cost-justifying road safety investments** Coffee break **What the "Safe System" means for road & highway professionals** **Reducing crashes at high-risk locations - the importance of good crash data**
13:00	Lunch
14:00 - 17:30	**Diagnosing Road User Risk (Part 1)** • Network screening tools • Audit & Inspection Stages • Applicable guidelines – an introduction to safety audit handbooks Coffee break **Diagnosing Road User Risk (Part 2)** • Assembling an audit team • Presenting an audit report • Case studies **Managing Network Safety in Practice**
19:00	Social dinner & site visit for all delegates

DAY 2

08:30 - 10:30	**Engineering safe roadsides & work zones: guidelines & case studies** • Hazard modification • Hazard protection • Positive protection at Work Zones
	Coffee break
10:30 - 12:30	**Continuous monitoring of the network: guidelines & case studies** • Using GIS to Prioritize Interventions to the Network • Road Signs and Markings • Pavement Conditions
12:30	Lunch
13:30 Expected end: 15:00	**Group Discussion: Building Safety Diagnosis Capacity In Fast-Motorizing Economies** **Presentation of Certificates**

LEAD INSTRUCTOR, EXECUTIVE VICE PRESIDENT

MICHAEL G. DREZNES

International Road Federation

Michael G. Dreznes assumed his current position of Executive Vice-President of the International Road Federation (IRF) in February of 2012. Dreznes has spent the last thirty years working to make the roads safer around the world. He is recognized as one of the world's leading specialists on roadside safety promoting the concept of "Forgiving Roads," and has conducted multiple road safety training seminars on roadside safety, work zone safety, vulnerable user safety and road safety audit in more than sixty countries around the world. Dreznes is the Co-Chairman of the Transportation Research Board (TRB) AFB20 (2) Roadside Safety SubCommittee on International Research Activities, Co-Chairman of the United Nations Road Safety Collaboration (UNRSC) Decade of Action Pillar 2: Safer Roads and Mobility Project Group, and a member of the PIARC Road Safety Technical Committee 3.2 Design and Operation of Safer Road Infrastructure. In January 2015, Dreznes was named the winner of the TRB AFB20 Roadside Safety Design Kenneth Stonex Lifetime Achievement Award.

ROAD SAFETY MANAGEMENT EXPERT

ERLING RASK

Managing Director, Consia Consultants, Denmark

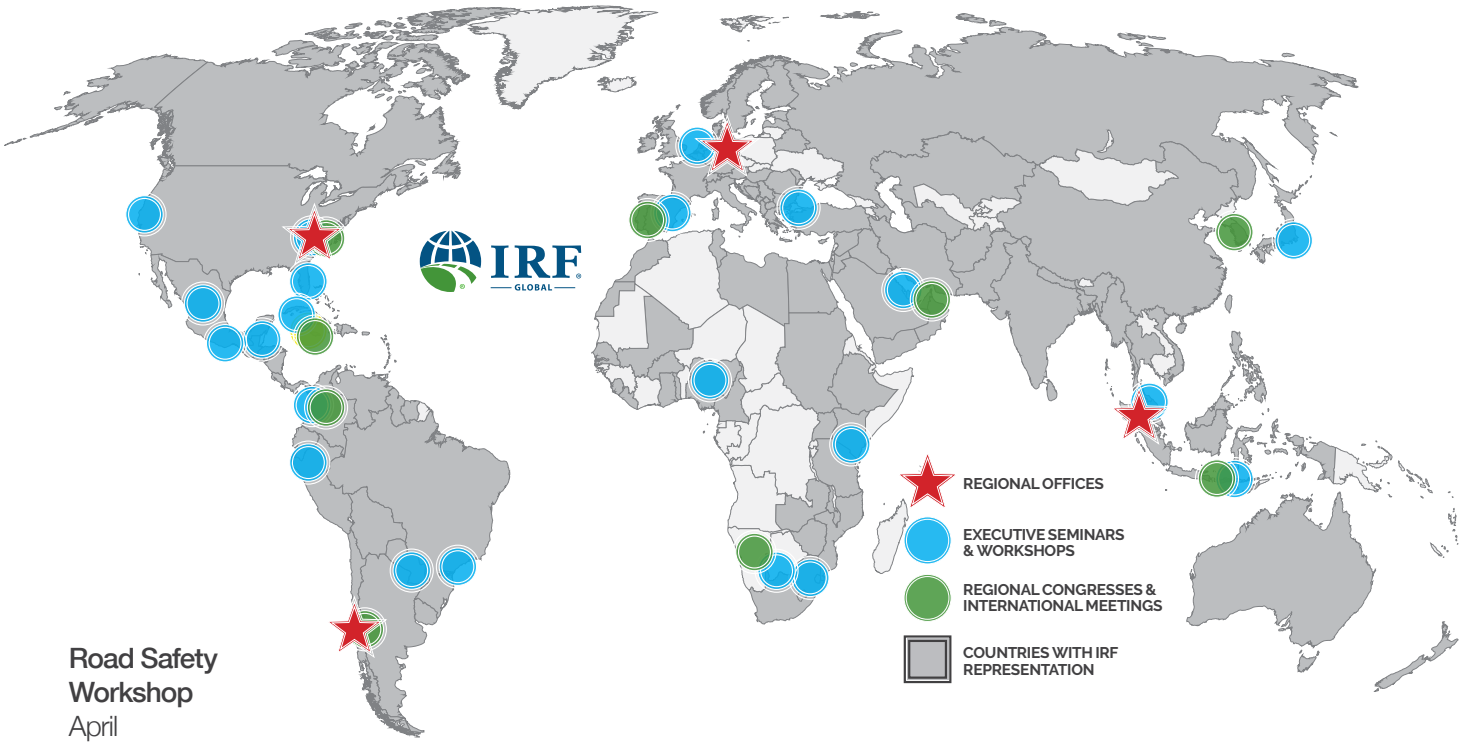
Erling Rask lives in Denmark and is the Co-Founder and Managing Director of Consia Consultants, a pioneering consulting company in the area of road and traffic safety in developed and developing countries. Consia has completed more than 80 internationally-financed road safety projects in all areas of road safety, including national strategies and policies, action plans and implementation, road safety audits, black spot identification, remedial engineering measures, accident information systems, accident data collection and analysis, accident reduction, road safety training and capacity building.

Prior to the founding of Consia Consultants in 2000, Mr. Rask led and continuously developed the International Department of the Danish Road Directorate for 8 years. He has served as directly appointed Short-Term Consultant by various development banks and started his international career in the United Nations after completing his studies in 1989.

With a Master's Degree in Political Science from the University of Aarhus, Denmark, Mr. Rask has a strong theoretical foundation to compliment his more than 25 years of experience within the road and transport sector.

International Road Federation

JOIN US IN 2017



Road Safety Workshop
April
Cuernavaca, Mexico

Asset Management Workshop
April
Belize

Road Safety Audits Workshop
April 3-6
Doha, Qatar

Asphalt Materials and Strategies for Managing and Maintaining Your Pavements Executive Seminar
April 10-15
San Francisco, CA USA

Road Safety Workshop
April
Quito, Ecuador

6th IRF Caribbean Regional Congress
May 17-19
Montego Bay, Jamaica

ITS Applications Workshop
May 24
Istanbul, Turkey

Cost Effective Pavements Today for a Greener Tomorrow
May 24-25
Lisbon, Portugal

ITS Conference
June
Santiago, Chile

Safer Roads by Design™ Executive Seminar
June
Tokyo, Japan

Safer Roads by Design™ Workshop
June 6-8
Abuja, Nigeria

Road Safety Workshop
July
Asuncion, Paraguay

Performance-Based Contracts Workshop
July
Cayman Islands

2nd IRF Africa Regional Congress
July 11-13
Windhoek, Namibia

Managing Infrastructure Assets Workshop
July 17-19
Gauteng, S. Africa

Pavements Workshop
August
Mexico City, Mexico

Road Sector Management & Financing Workshop
August 14-18
Kuala Lumpur, Malaysia

Road Safety Workshop
September
Dominican Republic

6th IRF Latin America Regional Congress
September
Bogotá, Colombia

Vulnerable Road User Safety Workshop
September 24-26
Doha, Qatar

Road Safety Workshop
October
São Paulo, Brazil

Pavements Workshop
October
São Paulo, Brazil

Introduction to Post-Crash Investigations Workshop
October 15-17
Doha, Qatar

5th IRF Middle East Regional Congress & Exhibition
October 29-31
Dubai, UAE

Road Safety Engineering Workshop
November 5-7
Doha, Qatar

Performance-Based Contracts Executive Seminar
November 5–15, 2017
Orlando, Florida USA

Climate Adaptation of Road Infrastructure Conference
November 15-17
Seoul, South Korea

Asset Management Workshop
November 28-30
Nairobi, Kenya

Safer Roads by Design™ Executive Seminar
December 4–8, 2017
Orlando, Florida USA

Intersection and Roundabout Design & Operations Workshop
December 5-7
Doha, Qatar

Best Practices & Latest Techniques in Pavement Maintenance Executive Seminar
December 11–15, 2017
San Diego, CA USA

Important Note:
Registration can also be completed online at: www.IRF.global/event/rnsm17-malaga

Road Network Management Safety in Fast-Motorizing Economies
Malaga | March 30 - 31, 2017

Delegate Registration

FOR OFFICE USE ONLY
Payment Received Date
YEAR MONTH DAY

Contact Information

REFERENCE CODE (IF APPLICABLE)	
LAST NAME	MOBILE PHONE (WITH COUNTRY CODE) ☐ PREFERRED CONTACT NUMBER
FIRST NAME	OFFICE PHONE (WITH COUNTRY CODE) ☐ PREFERRED CONTACT NUMBER
EMAIL	FAX NUMBER (WITH COUNTRY CODE)

ORGANIZATION NAME	JOB TITLE	ORGANIZATION WEBSITE

ORGANIZATION ADDRESS

CITY	STATE/ PROVINCE	POSTAL CODE	COUNTRY

ORGANIZATION CATEGORY
☐Government ☐Academia ☐Industry Association ☐Private Sector

Additional Registrants *(please list the names of any additional delegates you are registering)*

LAST NAME	EMAIL
FIRST NAME	JOB TITLE
LAST NAME	EMAIL
FIRST NAME	JOB TITLE
LAST NAME	EMAIL
FIRST NAME	JOB TITLE
LAST NAME	EMAIL
FIRST NAME	JOB TITLE

Registration Rates *Registration includes access to all the teaching resources, coffee breaks and the social dinner.*
(check the one box that applies; all amounts in US dollars. Prices are per person)

☐ IRF & STA MEMBERS: **US $290** ☐ ALL OTHERS: **US $490**

VISA INVITATION Do you require a visa invitation letter? ☐Yes ☐No	IRF WEBINARS ADD-ON Two years of access to the entire IRF webinar archive ☐ $300

Payment

PAYMENT TYPE ☐ Invoice ☐Check ☐Credit Card	CARD TYPE ☐Visa ☐MasterCard ☐AMEX	CARD NUMBER
CARD EXPIRATION DATE (MM/YY)	CARD SECURITY CODE	NAME ON CARD
AMOUNT TO BE CHARGED (IN US DOLLARS)	TODAY'S DATE (YYYY/MM/DD)	SIGNATURE

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PRINTED NAME	SIGNATURE (IF FAXING)	DATE OF APPLICATION (YYYY/MM/DD)

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GLOBAL

KNOWLEDGE • ADVOCACY • EDUCATION
BEST PRACTICES • INDUSTRY SOLUTIONS

Better Roads. Better World.

IRF GLOBAL

www.IRF.global

International Road Federation

GLOBAL HEADQUARTERS

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