



Black Spot & Network Safety Management

Expert training by professionals, for professionals

Zagreb, Croatia
July 10-12, 2019



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.

OUR ORGANIZATION: A Global Federation

The International Road Federation welcomes members from government, academia, road associations, research institutes, and private industry.

We are 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.

OVERVIEW

On every road network, there are specific sections where the number of accidents is especially high, requiring specific assessment and treatment strategies. Black spot programs aim to reduce traffic injuries at these location using crash records to establish collision patterns at the location and identify appropriate countermeasures that will reduce future crash frequency or severity.

Black spot programs have been introduced in many countries, yet there is significant scope for improvement and efficiency gains through improved methods for analyzing crash problems, more rigorous and systematic application of procedures, and a better understanding of available countermeasures.

COURSE OUTCOMES

- Identify the different network safety management tools available to practitioners as they apply to all users of the road network
- Focus on road sections which cluster severe and fatal injuries
- Understand the benefits, resources and liability issues associated with black spot programs as well as the practical requirements to implement them
- Understand the scope of, and correctly utilize national and international reference manuals
- Identify data sources available to support decision making and how to overcome integrity & quality issues
- Learn how to present findings to decision makers and make a compelling case for safety investments

COURSE OBJECTIVES

This three-day course provides a methodological overview of policies and measures to successfully target recurrent road safety engineering weaknesses responsible for high accident clusters.

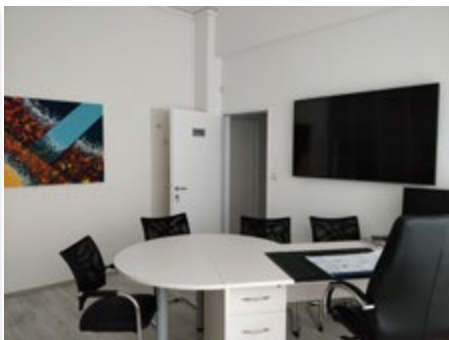
TARGET AUDIENCE

- Road Authorities
- Road Design Consultants
- Contractors
- Road Safety Agencies
- Concessionaires
- Highways Operations & Maintenance Personnel
- Academia

VENUE

IRF European Training Institute

University of Zagreb, Faculty of Transport and Traffic Sciences
Kuslanova 2, 10 000 Zagreb



The IRF European Training Institute is new partnership between the International Road Federation (IRF) and the University of Zagreb's Faculty of Transport & Traffic Sciences (FPZ) to develop knowledge and continuing education resources for the region's road professionals.



LEAD INSTRUCTOR

MICHAEL G. DREZNES

International Road Federation

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 road safety and has conducted multiple road safety training seminars in more than sixty countries.

DAY 1

What we Want to Achieve

- What the "Safe System" means for road & highway professionals
- Factors that contribute to road crashes
- Understanding & identifying road risk – using data to narrow down the problem
- Proactive and reactive approaches to road infrastructure safety management

DAY 2

Black Spot Diagnosis

- Definitions & Methodology
- Collecting Crash & Injury Data - overcoming data quality issues
- How to Conduct Before and After Analysis
- Road safety budget allocation strategies
- Case Studies: national black spot programs

DAY 3

Black Spot Treatments

- Selection of sites for in-service safety reviews
- Engineering solutions for run-off road, head-on and intersection crashes
- Theory and application of Crash Reduction Factors
- Resources & Reference Manuals
- Team exercises
- Certificates



IRF®
— GLOBAL —

Important Note:

Registration can also be completed online at: <https://www.irf.global/event/srd19-july-zagreb/>



Black Spot & Network Safety Management: Zagreb, Croatia | July 10-12, 2019 Delegate Registration

FOR OFFICE USE ONLY
Payment Received Date

Contact Information

REFERENCE CODE (IF APPLICABLE)

YEAR

MONTH

DAY

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 *(check the one box that applies; all amounts in US dollars. Prices are per person)*

IRF MEMBERS AND GROUPS OF 3 OR MORE

Euro €1,600 per person (no hotel included)

NON MEMBERS

Euro €2,100 (no hotel included)

SOUTH EAST EUROPE*

Euro €800 (no hotel included)

*Applies to countries participating in the South East European Cooperation Process: Albania, Bosnia and Herzegovina, Bulgaria, Croatia, Greece, Kosovo, Republic of Macedonia, Moldova, Montenegro, Romania, Serbia, Slovenia and Turkey.

*Rates valid through 14 days prior to the event. Late / on-site registrations are subject to an additional 10% fee.

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

By signing this document, I agree to comply with the Terms and Conditions applicable to IRF Events and provide full release of my likeness and voice to be used for promotional purpose by the IRF. This release covers photos and videos taken during the event.

PRINTED NAME

SIGNATURE (IF FAXING)

DATE OF APPLICATION (YYYY/MM/DD)

Important Note:

Registration can also be completed online at: <https://www.irf.global/event/srd19-july-zagreb/>

GLOBAL

KNOWLEDGE • ADVOCACY • EDUCATION
BEST PRACTICES • BUSINESS OPPORTUNITIES

Better Roads. Better World.



International Road Federation

GLOBAL HEADQUARTERS & SECRETARIAT

Madison Place

500 Montgomery Street, Fifth Floor

Alexandria, VA 22314 USA

Telephone: +1 703 535 1001 Facsimile: +1 703 535 1007

REGIONAL OPERATIONS

Brussels, Belgium | Santiago, Chile | Accra, Ghana
Nairobi, Kenya | Kuala Lumpur, Malaysia | Chicago, IL USA

www.IRF.global