

# Safer Roads by Design™

*An Introduction to the Engineering Fundamentals  
for Effective Road Safety Auditing*

**Belgrade, Serbia  
June 8, 2016**





## ABOUT THE IRF

The International Road Federation is a non-governmental, not-for-profit membership organization founded in Washington, DC in 1948 with the mission to encourage and promote development and maintenance of better, safer and more sustainable roads and road networks around the world.

The IRF has a major role to play in all aspects of road policy and development worldwide:

- For governments and financial institutions, the IRF provides a wide base of expertise for planning road development strategy and policy.
- For the private sector, the IRF is a business network, a link to multilateral institutions, such as United Nation agencies and the World Bank, and a platform to access government officials and decision makers.
- For the community of road professionals, including national road associations, engineering societies, advocacy groups, and institutes of higher learning, the IRF provides an invaluable information and knowledge platform.

## 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 Executive Seminars 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 seminars 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.

For more information on meeting your continuing education goals, please visit:

[www.irfnews.org/training](http://www.irfnews.org/training)

## COURSE DESCRIPTION

The International Road Federation's program of Safer Roads by Design™ courses aims to provide attendees with practical information that can be used immediately and cost-effectively to improve safety conditions for all road users and meet national commitments under the UN Decade of Action for Road Safety 2011-2020.

Experienced lecturers will introduce attendees to best practices and state of the art technologies to help them understand what countermeasures can be used today to improve road safety. The attendees will also learn about Road Safety Audits and they will understand how this valuable tool can and should be used today on their roads.

## COURSE OUTCOMES

- Identify the different network safety management tools available to practitioners
- Understand the practical requirements to implement them
- Describe the main requirements in the road safety audit process
- Compare alternate safety treatments and select a cost effective design
- Recognize unsafe roadside design features and make appropriate changes
- Learn the key elements of designing a safe work zone
- Make a compelling case for safety investments

## WHO SHOULD ATTEND?

- Road Agency Executives
- Traffic Management Professionals
- Planners
- Road Contractors
- Law Enforcement
- Highway and Street Engineers
- Traffic Safety Professionals
- Maintenance Personnel
- Design Consultants
- Academic & Students of Relevant Disciplines

## WORKSHOP VENUE

📍 Faculty of Transport & Traffic Engineering  
Belgrade University  
Vojvode Stepe 305, Belgrade

## REGISTRATION & SPECIAL RATES



This workshop is organized in conjunction with the 2nd Serbian Road Congress. Registered Congress delegates are encouraged to attend the workshop at preferential rates. Please visit <http://kongresoputevima.rs> or <https://www.irfnews.org/event/srdws16-belgrade/> for more information.

**JUNE 8, 2016**

**09:00 - 10:30: WHAT WE WANT TO ACHIEVE**

- Opening Remarks
- Why engineers must take more responsibility
- The role of safety audits & inspections in achieving safer streets & highways

**11:30 - 13:00: BUILDING CAPACITY FOR SAFER ROADS DESIGN: REGIONAL EXPERIENCES**

- Modern concept of improving safety
- Practical approaches to road safety auditing
- Audit & Inspection practices in Western Balkan 6 Countries

**14:30 - 16:30: WORK ZONE SAFETY APPLICATIONS**

- Fundamentals of Work Zone Safety
- How to treat the five elements in a work zone
- State of the art treatments for Work Zones
- Making work zones safer and more acceptable to all road users

**16:30 - 17:00: ROUNDTABLE DISCUSSION & SUMMARY**

**SPONSORS**



## LEAD INSTRUCTORS



### Michael Dreznes

#### Executive Vice President, International Road Federation, USA

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 Sub-Committee 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, a member of the PIARC Road Safety Technical Committee 3.2 Design and Operation of Safer Road Infrastructure, a member of TASK FORCE 13 Committee on Work Zone Safety. In January 2015, Dreznes was named the winner of the TRB AFB20 Roadside Safety Design Kenneth Stonex Lifetime Achievement Award.



### Krsto Lipovac

#### Professor, Belgrade University

Dr. Lipovac is an eminent road safety expert, with more than 25 years of experience in local, regional and EU/International projects related to road safety. He full professor and chief of Department of Road Safety at the State Faculty of Transport and Traffic engineering, University of Belgrade. His theoretical background includes a Ph.D. in Transport and Traffic Engineering – Road Safety at the University of Belgrade.

In the past he was:

- Professor at Academy for police and criminalistics studies (Road safety, Traffic law enforcement and Road crashes scene/in field investigation),
- Deputy of Director of Police high school for Law enforcement,
- Head of Unit for police education and training in Police direction in Mol Serbia,
- Director of Road Traffic Safety Agency in Serbia
- Deputy of project manager of WB Road safety project in BiH,
- Team leader and KE in few International Road Safety projects.

Dr. Lipovac sits on IRTAD's Safe System approach Working Group and is a member of the editorial board of several international scientific journals. He has participated as team member or as team leader in more than 100 national studies and projects that deals with road safety issues, and was one of the chief architects behind Serbia's new road safety law.



### Alan Ross

#### Road Safety Management Consultant

More than 30 years experience of advising development banks, aid agencies and countries on road safety programmes, action plans and management, coordination and funding issues in over 60 countries. Proven track record of delivering safety improvements in LMICs. Author of several guidelines / manuals on road safety engineering issues including several on safety engineering aspects (e.g. Towards Safer Roads, ADB Road safety Audit Toolkit and Practical Guidelines for Safety Auditors, etc.)



### Liljana Čela

#### Information Resources Manager, SEETO

Holding the position of the Information Resources Manager for almost 8 years in SEETO and dealing with the data collection process and mechanism as well as coordinating the work of the SEETO Road Safety Working Group.

She holds a MSc in Geographical Information Science, from Birkbeck College, University of London in UK with the dissertation "Road Safety Impact in Western Balkan Countries: Integrating GIS in Road Safety" employing a series of network-based spatial analytical methods to explore the distribution pattern of traffic accidents in the main roads of the Republic of Serbia.

In the last two years her focus of work is on the adoption of guidelines, developing of curricula and delivering of the trainings about RSA and RSI which are the main topics on the SEETO agenda as well as one of the soft measures on the Connectivity agenda in WB6 Summits to be achieved by 2016.

She is leading the work of SEETO on the ECORoads project which involves the joint work in safety inspections of the Tunnel Safety Experts together with Road Safety Experts for open roads in EU and in the SEETO region.

# GLOBAL

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## Building Industry Partnerships

**Better Roads. Better World.**



**International Road Federation**

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