



IRF
GLOBAL

Safe Roads by Design:

Making Roads Safe for all Users

Comprehensive and certified training

**Washington, DC USA
August 19-23, 2019**



Executive Seminar

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 Executive 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.

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.

Safe Roads By Design™ CERTIFIED TRAINING

The Safe Roads by Design™: Making Roads Safe for all Users certified training program is one of the most comprehensive road safety training programs in the world. Experts from a variety of countries will present best practices and state of the art technologies in Roadside Safety, Work Zone Safety, Vulnerable User Safety, Traffic Management and Road Safety Audits over a five-day period. The purpose of this training program is to help road authorities understand what can be done to help them meet their Decade of Action commitment to reduce fatalities 50 percent by 2020. The training program will focus on: Roadside Safety, Work Zone Safety, Vulnerable User Safety, and Road Safety Audits.

Roadside Safety

Attendees of this annual IRF Executive Seminar will be exposed to all aspects of Roadside Safety, including longitudinal barriers, crash cushions, terminals and transitions. They will be introduced to the existing products, and they will be taught the importance of site specific data to determine the most appropriate product for a particular application.

Upon completion of the Roadside Safety training, attendees will have a clear understanding of methods to identify dangerous roadside hazards and options for eliminating them. They will be aware of the best practices and state of the art technologies that can be used to make roadsides safer.

Work Zone Safety

Attendees will learn how to design a safe work zone and they will learn about the newest technologies for work zone safety. How to use positive protection, truck mounted attenuators, dynamic, variable message signs and flagger training will be among the topics discussed.

Upon completion of the Work Zone Safety training, attendees will be aware of MUTCD recommended procedures to design safe work zones. They will be exposed to different technologies and methodologies which can be used to make work zones safer.

Vulnerable User Safety

Vulnerable User Safety is a significant issue for many countries, especially developing countries. This seminar will discuss the reasons pedestrians, bicyclists, motorcyclists, public transportation vehicles and non-motorized vehicles are involved in impacts that result in fatalities and serious injuries. The corrective actions that can be taken to reduce these impacts will be discussed in detail.

Upon completion of the Vulnerable User Safety training, the attendees will understand the issues facing pedestrian, bicyclist, motorcyclist, public transport and non-motorized vehicle safety. Attendees will be presented different strategies which can be used to improve safety for all vulnerable users.

Road Safety Audits

Road Safety Audits are required in many countries and their use is becoming more popular every day. Attendees will be introduced to the concept of road safety audit and taught how to create a road safety audit team.

Upon completion of the Road Safety Audit training, attendees will understand what a road safety audit is, the different stages of road safety audits and how to conduct a road safety audit. Attendees will comprehend the steps involved to organize and implement an effective road safety audit.



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Overview

This IRF Executive Seminar Safe Roads By Design™: Making Roads Safe for all Users, part the IRF Certified Continuing Education Program, will be held from August 19-23, 2019 in Alexandria, Virginia USA. The program is one of the most comprehensive road safety training programs available in the world. Top international experts from a variety of countries will present best practices and state of the art technologies in Roadside Safety, Work Zone Safety, Vulnerable User Safety, Traffic Management and Road Safety Audits over a 5-day period. The purpose of this seminar is to help road authorities understand what can be done to help them meet their Decade of Action commitment to reduce fatalities 50% by 2020.

Course Outcomes

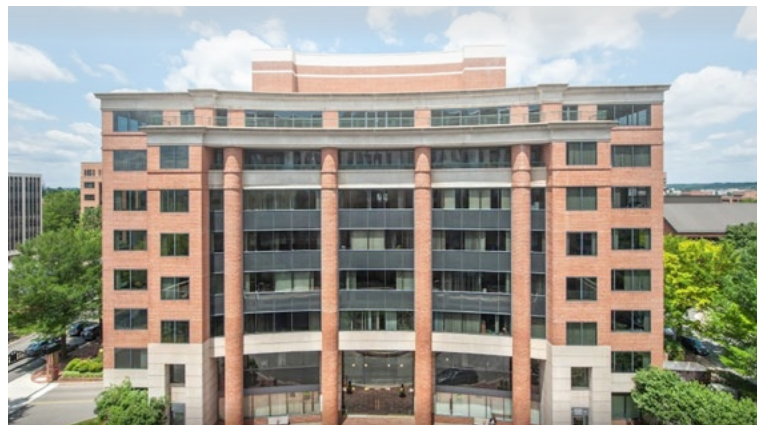
- Gain a clear understanding of methods to identify dangerous roadside hazards and understand how to choose the correct option to correct the situation
- Understand the issues facing pedestrian, bicyclist, motorcyclist, public transport and non-motorized vehicle safety
- Obtain an understanding of Work Zones & how they can be made safer for the motorist, worker, and pedestrians
- Learn how to create a road safety audit team and how to conduct a road safety audit
- Discuss how to collect data to assess the performance of roads, and how technology can be utilized to enhance operations and safety of roads

Target Audience

- Road & Transportation Agency Executives
- Federal & State Public Officials
- Regional Transportation Authorities
- Private Consultants & Contractors
- Infrastructure Developers
- Toll Operators
- Infrastructure Funds / Financial Institutions
- Senior Financial & Legal Advisors
- Technical Advisors , Insurers, Modelers

Venue

IRF Global Training Institute
 Madison Place
 500 Montgomery Street Fifth Floor
 Alexandria, VA USA 22314
 Tel: +1 703 535 1001
 E-mail: info@IRF.global



Hotel

IRF has negotiated special IRF Global Training Program attendee hotel rates with the Holiday Inn Hotel & Suites Alexandria-Old Town. Please contact the Holiday Inn & Suites Alexandria-Old Town to make your own room reservations:

HOLIDAY INN HOTEL & SUITES ALEXANDRIA

Address: 625 First St, Alexandria, VA 22314
 Phone: (703) 548-6300

BOOK NOW

* A special room rate of US \$109/night, Junior Suite rate of US \$199 has been negotiated at the Holiday Inn and Suite, located just one block from the Training Institute.

MONDAY AUGUST 19

DAY 1

9:00	Registration
9:15	Introduction and Welcome
9:30	Fundamentals of Road Safety
11:30	Networking Break
11:45	Breakaway Devices Longitudinal Barriers
14:30	Introduction Lunch
16:15	Crash Cushions
17:45	Networking Break
18:00	Terminals and Transitions
19:30	Roundtable Discussion
19:55	Adjournment

TUESDAY AUGUST 20

DAY 2

8:30	Fundamentals of Work Zone Safety Truck Mounted Attenuators (TMAs)
11:00	Networking Break
11:20	Real World Work Zone Experiences
12:30	Lunch
13:30	Improving Flagger Safety in the Work Zone
14:30	Real World Work Zone Experiences (Continued)
15:45	Networking Break
16:15	Signage and Delineation in Work Zones
16:55	Overview of the Five Elements of a Work Zone
18:15	Summary and Roundtable
18:55	Adjournment
19:30	Hat Exchange Dinner

WEDNESDAY AUGUST 21

DAY 3

8:30	Defining a Vulnerable User Introduction to Infrastructure Safety Management
9:45	Real World Vulnerable User Safety Experiences
10:40	Networking Break
11:00	Segment Issues & Countermeasures for Pedestrians
13:15	Lunch
14:15	Segment Issues & Countermeasures for Vulnerable Users: Bicyclists, Motorcyclists, Public Transit Users, Others
16:15	Networking Break
16:45	Police Corruption: The 800 Pound Gorilla in the Room Building Local Knowledge Capacity What is the IRF?
18:55	Summary and Roundtable
19:15	Adjournment

THURSDAY AUGUST 22

DAY 4

8:30	Introduction to Road Safety Audit
11:15	Networking Break
11:30	Innovative Funding Mechanisms for Road Safety Projects Introduction to Road Safety Audit (Continued)
13:30	Conducting a Road Safety Audit
15:00	Lunch
16:00	Road Safety Audit Group Project

FRIDAY AUGUST 23

DAY 5

8:30	Presenting a Road Safety Audit Summary Report Effective Leadership
11:00	Networking Break
11:30	IRF Global Credentials Qualifying Knowledge Practice Exam Roundtable Summary Discussion
13:00	Final Oral Exam
15:00	Certificate Presentation and Final Closing Ceremony
15:45	Adjournment



INTERNATIOANAL ROAD FEDERATION

MICHAEL G. DREZNES

Executive Vice President

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 which recognized his passion and contribution to road safety education. Citation on the award stated he has taught thousands of people around the globe the value and benefits of investing in road safety – helping both advanced and developing countries improve their highway systems.



SAFETY PRIORITY CONSULTANTS, LLC

CHIP DARIUS

Founder & President

Chip Darius has spent more than 20 years as a safety and OSHA compliance consultant, trainer, teacher, conference speaker and author. He also has more than 10 years teaching courses on OSHA regulations as Instructor for OSHA Training Institute Region 1 Education Center (OTIEC) and Adjunct Faculty at Keene State College. Mr. Darius is an expert in applying OSHA General Industry regulations, OSHA Construction regulations, and safety-related national consensus standards to working conditions. He also frequently perform health & safety and OSHA-related inspections, audits, and assessments.



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FHWA RESOURCE CENTER

K. CRAIG ALLRED

Transportation Specialist

K. Craig Allred has been a Transportation Specialist on the Safety and Design Team, FHWA Resource Center, Lakewood, Colorado since 2004. His responsibilities include the advancement of the strategic goals and objectives of the Federal Highway Administration by providing expert technical assistance to FHWA Division Offices and their partners. Allred also assists Headquarters Program Offices disseminate new policies, technologies, and techniques. Prior to this, Allred was U S DOT Public Safety Coordinator, Joint Program Office, Intelligent Transportation Systems, ITS, and Transportation Specialist, Office of Safety at US FHWA, Washington DC. In addition to his involvement with US FHWA, Allred served as Director of the Director of Utah Highway Safety, Utah Department of Public Safety, Salt Lake City, Utah. His accomplishments included: two term Chairman, three term Vice-Chairman, three term Board Member of the Governors Highway Safety Association. Instructor and Master Trainer for the Nation Highway Institute, Traffic Safety Institute, and International Association of Chiefs of Police. Internationally, Allred has worked on Road Safety Audit teams in Qatar, and taught workshops in Mexico, Barbados and Tanzania.



HORIZON SIGNAL TECHNOLOGIES

SCOTT HEYDT

Director of Marketing and Technical Training

Scott Heydt is the Director of Marketing and Technical Training for Horizon Signal Technologies, a Pennsylvania-based company specializing in Portable Traffic Signal Systems and traffic control solutions. Scott is involved with several industry associations, and also serves as Chair of NEMA's Portable Traffic Signal technical committee, which works to develop standards for the traffic control industry.



ROYAL TRUCK & EQUIPMENT

FRED BERGSTRESSER

Government Account Manager

Fred Bergstresser is the Government Account Manager for Royal Truck & Equipment. He manages Royal's government activities including procurement strategy and government relations. Fred represents Royal on NCUTCD (National Committee on Uniform Traffic Control Devices) TTC (Temporary Traffic Control) Technical Committee, ATSSA (American Traffic Safety Services Assoc) Innovation Council, Pennsylvania Automated Vehicle Policy Task Force, and is a founding board member on the Automated Vehicle Coalition and is Royal's representative on FHWA's CAT (Cooperative Automated Transportation) Coalition. Fred leads Royal Truck and Equipment's nationwide Autonomous Impact Protection Vehicle (AIPV) development and commercialization project

Important Note:

Registration can also be completed online at: <https://www.irf.global/event/srd19-bsm-rsa-was>



Safe Roads by Design™: Black Spot Management & Road Safety Audits, August 2019

Registration

Contact Information

FOR OFFICE USE ONLY		
Payment Received Date		
YEAR	MONTH	DAY

LAST NAME		REFERENCE CODE (IF APPLICABLE)		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
LAST NAME		EMAIL
FIRST NAME		JOB TITLE

Registration Rates *(check the one box that applies; all amounts in US dollars)*

IRF MEMBERS US \$3,000 per person (No hotel included)	NON MEMBERS US \$3,500 per person (No hotel included)	GROUPS OF 3 OR MORE US \$3,250 per person (No hotel included)
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Rates valid through August 14. Late / on-site registrations are subject to an additional 10% fee.

VISA INVITATION
Do you require a visa invitation letter? Yes No

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)
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KNOWLEDGE • ADVOCACY • EDUCATION
BEST PRACTICES • BUSINESS OPPORTUNITIES

Better Roads. Better World.



International Road Federation

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REGIONAL OPERATIONS

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Nairobi, Kenya | Kuala Lumpur, Malaysia | Chicago, IL USA

www.IRF.global