



**IRF**  
GLOBAL

**Workshop**

*2 days of professional, hands-on training*

**Safer Roads by Design™**

# **Vulnerable Road Users, Work Zone Safety, Road Safety Audits**

**Bali, Indonesia  
March 20-21, 2017**





## 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

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 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.IRF.global/training](http://www.IRF.global/training)



## COURSE DESCRIPTION

New unsafe roads are being designed and built because national standards are out of date and/or road authorities and design engineering consulting firms are unaware of today's safety best practices and new state of the art technologies. In response, the IRF has created a complete and comprehensive internationally acclaimed world class safety workshop — Safer Roads by Design™ — built to leave a lasting impression on attendees. Its intent is to introduce concepts that can be used to prevent crashes, as well as concepts that will help reduce the severity of crashes.

This particular workshop will focus on Vulnerable Road Users (VRU), Work Zone Safety with a brief introduction to Road Safety Audit. Taught by the one leading voices of Road Safety around the world, Mr. Michael Dreznes, this workshop is designed to transfer to each participant the necessary knowledge and skills to be able to diagnose safety issues associated with Vulnerable Road Users and Work Zones and to also select the appropriate actions and counter measures to address those issues.

Participants who complete this workshop will receive an Internationally IRF Certificate of Completion, as well as 10 Professional Development Hours (PDH). Furthermore, delegates will be added to the IRF Road Safety Mailing list and will have access to IRF professionals as alumni of the course.

## TARGET AUDIENCE

- Road Authorities
- Concessionaires
- Road Design Consultants
- Contractors
- Distributors
- Representatives
- Maintenance Personnel
- Law Enforcement
- Academia

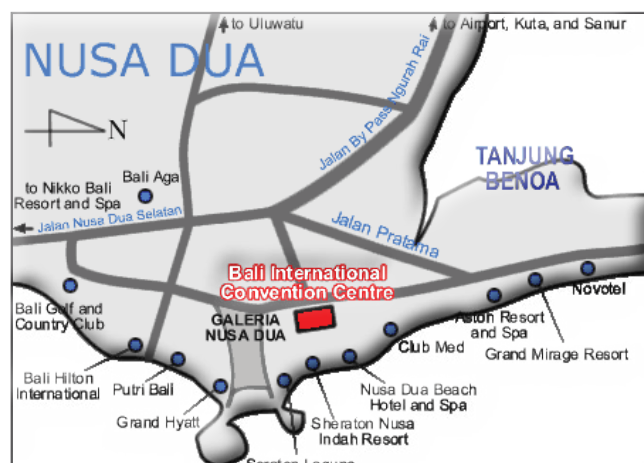
## COURSE OUTCOMES

- Describe VRU needs
- Diagnose crash causes and select proper countermeasures
- Discuss VRU safety issues and how to address them
- Learn about the Fundamentals of Work Zone Safety and the Five Elements of a Work Zone
- Learn about the application of ITS technologies for work zones
- Discuss best practices and recent research findings in Work Zones
- Define basic concepts of RSAs
- Understand Road Safety Audit procedures
- Address common issues and procedures

## COURSE VENUE

### Bali Nusa Dua Convention Center

Kawasan Pariwisata Nusa Dua Lot NW/1,  
Benoa, Kuta Sel., Kabupaten Badung  
Bali 80363, Indonesia



## DAY 1 – MARCH 20

08:30	Defining a Vulnerable User Introduction to Infrastructure Safety Management
10:15	Networking Break
10:35	Segment Issues & Countermeasures for Vulnerable Users-Pedestrians
12:30	Lunch
13:30	Segment Issues & Countermeasures for Vulnerable Users-Motorcyclists
15:30	Networking Break
15:45	Segment Issues & Countermeasures for Vulnerable Users- Bicyclists, Public Transit Users, Others
17:00	Roundtable and Dismissal

## DAY 2 – MARCH 21

08:30	Fundamentals of Work Zone Safety Truck Mounted Attenuators (TMAs)
10:15	Networking Break
10:35	Five Elements of a Work Zone
12:30	Lunch
13:30	Introduction to Road Safety Audits
15:30	Conducting a Road Safety Audit
15:45	Virtual Road Safety Audit
17:00	Roundtable and Dismissal

## LEAD INSTRUCTOR



**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 in February of 2012.

Dreznes has spent the last 30 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 60 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.

## Important Note:

Registration can also be completed online at: [www.irf.global/event/srd17\\_bali/](http://www.irf.global/event/srd17_bali/)



Safer Roads by Design: Bali | March 20 – 21, 2017

## 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: **US \$1,000**

NON MEMBERS: **US \$1,200**

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)

## Important Note:

Registration can also be completed online at: [www.irf.global/event/srd17\\_bali/](http://www.irf.global/event/srd17_bali/)



Sponsorship Packages	PLATINUM	GOLD	SILVER	BRONZE	
<b>Cost</b>	<b>IRF Member Non-member</b>	<b>US \$10,000 US \$12,000</b>	<b>US \$7,000 US \$8,500</b>	<b>US \$5,000 US \$6,000</b>	<b>US \$3,000 US \$4,000</b>
Recognition in post-program communications	✓	✓			
Company pull-up banner in workshop room (self-supplied)	✓	✓	✓		
Complimentary workshop registrations	6	4	2	1	
20% discount on registration price when purchasing additional registrations	Unlimited	15	10	5	
Company name and logo will be presented in all publicity and marketing materials under sponsorship level, including: event banners, opening screen, IRFnews.org website, official workshop agenda*	✓	✓	✓	✓	
Recognition and plaque presentation at closing ceremony	✓	✓	✓	✓	

Safer Roads by Design: Bali | March 20 – 21, 2017

## Sponsor Application

**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 ADDRESS			
CITY	STATE/PROVINCE	POSTAL CODE	COUNTRY

### Sponsor *(check the one box that applies; all amounts in US dollars)*

IRF MEMBERS	NON MEMBERS
Platinum: <b>US \$3,000</b>	Platinum: <b>US \$4,000</b>
Gold: <b>US \$5,000</b>	Gold: <b>US \$6,000</b>
Silver: <b>US \$7,000</b>	Silver: <b>US \$8,500</b>
Bronze: <b>US \$10,000</b>	Bronze: <b>US \$12,000</b>

### 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	DATE OF APPLICATION (YYYY/MM/DD)
--------------	-----------	----------------------------------



# GLOBAL

KNOWLEDGE • SOLUTIONS • EDUCATION  
BUSINESS OPPORTUNITIES • BEST PRACTICES



## Building Industry Partnerships

**Better Roads. Better World.**



[www.IRF.global](http://www.IRF.global)

**International Road Federation**

GLOBAL HEADQUARTERS

Madison Place

500 Montgomery Street, Suite 525

Alexandria, VA 22314 USA

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