



**IRF**  
GLOBAL

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LIMIT  
35

Safe Roads by Design:

# Making Roads Safe for all Users

*Comprehensive and certified training*

**Online Training**  
**May 2-22, 2020**



**Online Training**



# Safe Roads by Design: Making Roads Safe for All Users

May 4 - May 22, 2020

Online Workshop

## Background

The IRF On-line **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 in the field 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 four week period. The purpose of this training program is to help participants to understand what can be done to reduce the number of road crashes and the number of fatalities and serious injuries from road crashes that do occur.

Upon completion of the training program, the IRF will administer a proctored on-line test. Participants with a score of 80% of the exam will be awarded with a certificate verifying their successful completion of the course.

### Why Online?

Each registrant will need his/her own computer to participate in the sessions. You will have access to curriculum and lectures developed by the IRF experts who teach workshops at IRF's brick and mortar training sites. The lectures will be taught over a three week period with live two hour on-line sessions held on Monday, Wednesday, and Friday of each week. The third week only will add a fourth session on Thursday of that week. If you miss a lecture, no problem, the lectures will be recorded and sent to all registered participants after each session, and they will be available on-line as well. As an on-line participant, you will share experiences with many of your peers from around the world and have opportunities to interact through chats, and group projects.

## Learning Objectives

- ✓ **Gain a clear understanding of methods used to identify dangerous roadside hazards and understand how to choose the correct options to correct the situation**
- ✓ **Understand the road safety issues facing pedestrian, bicyclist, motorcyclist, public transport and non-motorized vehicle safety**
- ✓ **Obtain an understanding of the five elements in a work zone how each of them can be made safe for the motorist, worker, and pedestrians**
- ✓ **Learn how to create an effective road safety audit team and how to conduct a road safety audit**

# Schedule

(Monday – Wednesday– Friday (9:00 – 11:00 AM US EST /13:00 – 15:00 GMT)

## Monday May 4, 2020

Status of the Second Decade of Action

Using the Safe System Approach to Design “Forgiving Roads”

## Wednesday May 6, 2020

Forgiving Poles, Longitudinal Barriers

## Friday May 8, 2020

Crash Cushions, Transitions & Terminals

Roadside/Median Safety Summary & Discussion

## Monday May 11, 2020

Fundamentals of Work Zone Safety

## Wednesday May 13, 2020

Truck Mounted Attenuators (TMA)

Signage and Delineation in Work Zones

## Friday May 15, 2020

Crash Cushions, Transitions & Terminals

Roadside/Median Safety Summary & Discussion

## Monday May 18, 2020

Defining a Vulnerable User

Introduction to Infrastructure Safety Management

Segment Issues & Countermeasures for Pedestrians

## Wednesday May 20, 2020

Segment Issues & Countermeasures for Bicyclists, Motorcyclists, Public Transit Users, Others

Summary of Vulnerable Road User Safety & Discussion

## Thursday May 21, 2020

Introduction to Road Safety Audit

Conducting a Road Safety Audit

## Friday May 22, 2020

Preparing a Road Safety Audit Report

Effective Leadership

IRF Qualifying Knowledge Exam Instructions

Summary and Discussion

## Lead Instructor



**Mike 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-four years working to make the roads safer around the world. He is recognized as one of the world's leading specialists on roadside/median 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 was the Co-Chairman of the Transportation Research Board (TRB) AFB20 (2) Roadside Safety Subcommittee on International Research Activities from 2001-2019, 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 Committee Kenneth Stonex Lifetime Achievement Award.

## Registration

- **2,200 USD IRF Members – (Individual Participant)**
- **1,800 USD IRF Members – (Groups of 2-4 from same organization)**
- **1,500 USD IRF Members – (Groups of 5 or More from same organization)**
- **2,500 USD Non IRF Members – (Individual Participant)**
- **2,000 USD Non IRF Members – (Groups 2-4 from same organization)**
- **1,800 USD Non IRF Members – (Groups of 5 or More from same organization)**
- **1,500 USD US State DOTs & City Officials**

**Registration:** <https://www.irf.global/event/srd20-ws-online-training>  
**For any support, please contact** [melabyad@irf.global](mailto:melabyad@irf.global)

# System Requirements

## Computer Requirements

### Operating System

*Windows 7 - Windows 10, Mac OS X 10.9 (Mavericks), macOS Catalina (10.15), Linux, Google Chrome OS, Android OS 5 (Lollipop) - Android 9 (Pie), iOS 10 - iOS 12, Windows Phone 8+, Windows 8RT+*

### Web browser

Google Chrome (most recent 2 versions)

Mozilla Firefox (most recent 2 versions)

Internet Explorer v11 (with Adobe Flash if running Windows 7)

Apple Safari (most recent 2 versions)

Microsoft Edge (most recent 2 versions)

### Internet connection

1 Mbps or better (broadband recommended)

### Hardware

2GB of RAM (minimum), 4GB or more of RAM (recommended)

Microphone and speakers (USB headset recommended)



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**IRF**<sup>®</sup>  
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## International Road Federation

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