



# Road Safety Audits: From Concept to Results

*Comprehensive and certified training*

**Online Training  
November 2 – 12, 2020**

**Online Training**

**16 Professional Development Hours**



**Road Safety Audits:  
From Concept to Results**  
**November 2-12, 2020**  
**Online Workshop**

## Background

Road safety audit and inspections serve the common purpose of identifying risk factors related to road design or traffic control that may lead to crashes, or make crashes more severe. In many cases, they also assist network highway operators and city traffic departments in identifying engineering weaknesses and hazardous locations, even in the absence of robust traffic injury data.

Almost 85% of countries report implementing one or more preventive risk assessment measure, yet over 70% of roads surveyed by the International Road Assessment Program (iRAP) in emerging countries were rated 2 stars or under across at least one user category. These figures suggest a startling disconnect between the theoretical merits of preventive risk assessment and the actual results experienced by countless road users every day.

### Why Online?

- Earn 16 Professional Development Hours
- Expert training by professionals for Professionals: access IRF's unique curriculum and lectures developed by world-class specialists
- Accelerated learning processes: get up to speed and gain new insights in less time and with no travel constraints
- Full access to learning materials and session recordings
- Small classrooms & scheduled One-on-One sessions with instructors
- Self-paced options available
- Interactive group projects and case studies
- Receive IRF Certification

## Format

The lectures will be taught over a three-week period with live 2-hour on-line sessions held Monday through Thursday. Upon completion of the training program, the IRF will administer an on-line knowledge test. Participants with a score of 80% of the exam will be awarded with a certificate verifying their successful completion of the course. Participants will also be given the opportunity to apply for the IRF Road Safety Professional Credentials.

## Learning Objectives

- ✓ Focus on road deficiencies that lead to severe and fatal injuries
- ✓ Understand at which stages and how to conduct road safety audits
- ✓ Understand the benefits, resources and legal issues associated with road safety audits
- ✓ Identify data sources available to support the work of road safety auditors
- ✓ Use advanced methods to forecast and analyse traffic safety conditions
- ✓ Learn how to present findings to decision makers and make a compelling case for safety investments
- ✓ Learn how to prioritize audit findings within a set investment budget

## Target Audience

- National Road & Transport Agency Executives
- Highway Engineers and Managers
- Federal and State Road Safety Agencies
- Road Safety Professionals
- Private Consultants & Contractors

## Lead Instructors



**Dr. Craig Milligan**  
**CEO, FireSeeds North**

Expert road safety engineer applying a proactive and safe systems approach to vision zero. Immediate past chair of TAC Road Safety Standing Committee. Completed road safety audits for more than \$8B of urban and rural road projects at all stages (conceptual design, preliminary design, detailed design, work zone, and pre-opening) covering complex intersections, freeways, bridges, interchanges, and cycling facilities. Road Safety Audit Instructor and Certification Experience Reviewer for the International Road Federation.



**Michael G. Dreznes**  
**Executive Vice President, IRF**

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 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 United Nations Road Safety Collaboration (UNRSC) Decade of Action Pillar 2: Safer Roads and Mobility Project Group.

## Guest Speakers



### **John Aldridge**

John's expertise includes Road Safety Audit and Inspections, Road Safety Strategy documents, crash investigation and analysis, development of road safety engineering measures, manuals and road safety policy. In addition to completing capacity building for Client staff in Road Safety Audit and road safety services, John has conducted Road Safety Audits on many international projects. Recently this has included projects in Antigua, Ukraine, Albania, Belarus and Montenegro. In recent years John has completed Road Safety Audits throughout the Balkans, Kazakhstan, Mongolia, Uganda, Tonga, Moldova, Ireland and the UK.



### **Shaun Lennard**

Shaun is recognised globally for his experience and expertise in motorcycle safety. He holds a Certificate in Road Safety Audit, Investigation and Treatment of Crash Locations from the Queensland University of Technology, and is an IRF-certified Safe Roads by Design Practitioner. He has also been a motorcycle rider for more than 35 years. His area of specialisation is making roads safer for motorcyclists.

Shaun was closely involved with the development of the Austroads' report AP-R515-16, "Infrastructure Improvements to Reduce Motorcycle Casualties". He is a member of the Australasian College of Road Safety and of the US Transportation Research Board's sub-committee on international research activities into roadside safety design.



### **Radoslaw Czapski**

#### **Program Manager, the World Bank**

Radek has over twenty years of experience in infrastructure, technical assistance and consultancy projects in Central Europe. He has been involved in a number of projects in transport infrastructure focusing on road safety, roads and railways, municipal infrastructure and services involving also public private partnerships and project finance mechanisms. During his professional career he was involved in the preparation and implementation of infrastructure investments, as well as studies and technical assistance projects for a number of public and private sector entities in Poland, Romania, Croatia, Ukraine and other countries.

# Schedule

Sessions on **Monday & Tuesday**: 06:00-08:00 US EST – 11:00-13:00 GMT

Sessions on **Wednesday & Thursday**: 09:00-11:00 EST UST – 14:00-16:00 GMT

Session 1 Mon., November 2 06:00-08:00 US EST	<ul style="list-style-type: none"><li>• Course introduction &amp; outline</li><li>• What the safe system approach means for road planners &amp; engineers</li><li>• Introduction to road safety audits</li><li>• Making the Economic Case for road safety investment</li></ul>
Session 2 Tue., November 3 06:00-08:00 US EST	<ul style="list-style-type: none"><li>• Appraising risk on the road network: methods for network screening</li><li>• Introduction to Crash Data Collection, Modelling &amp; Analysis</li><li>• Surrogate Data Collection, Modelling &amp; Analysis</li></ul>
Session 3 Wed., November 4 09:00-11:00 US EST	<ul style="list-style-type: none"><li>• Stages at which to conduct a road safety audit</li><li>• Organizing an audit team</li><li>• How to conduct field observations</li><li>• Using Manuals &amp; Prompt Lists</li><li>• RSA national framework &amp; case studies</li></ul>
Session 4 Thur., November 5 09:00-11:00 US EST	<ul style="list-style-type: none"><li>• Applications of safety auditing to vulnerable road users<ul style="list-style-type: none"><li>○ General Introduction</li><li>○ Motorcycles</li><li>○ Non-motorized traffic</li></ul></li><li>• Week 1 homework</li></ul>
Session 5 Mon., November 9 06:00-08:00 US EST	<ul style="list-style-type: none"><li>• Design &amp; pre-opening stage audits<ul style="list-style-type: none"><li>○ Methodology &amp; required documentation</li><li>○ Case studies</li></ul></li></ul>
Session 6 Tue., November 10 06:00-08:00 US EST	<ul style="list-style-type: none"><li>• Inspecting roads open to traffic</li><li>• Inspecting High Accident cluster zones (“hot spots”)</li></ul>
Session 7 Wed., November 11 09:00-11:00 US EST	<ul style="list-style-type: none"><li>• Inspecting special features:<ul style="list-style-type: none"><li>○ Roadsides</li><li>○ Road work zones</li></ul></li></ul>
Session 8 Thu., November 12 09:00-11:00 US EST	<ul style="list-style-type: none"><li>• Mainstreaming Road safety into IFI-funded projects</li><li>• Drafting &amp; presenting an audit report</li><li>• Following up recommendations</li><li>• Team Presentations</li></ul>

# GLOBAL

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**Better Roads. Better World.**



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