



Safer Roads by Design™: Engineering Solutions to Implement iRAP Surveys

Washington, DC USA
March 4-8, 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.

OVERVIEW

Preventive risk mapping is an effective instrument to help road authorities reduce the number of road traffic crashes and injuries, because design standards alone cannot guarantee road safety in all conditions.

iRAP surveys have now been undertaken by partners in more than 80 countries worldwide. Over 1,000,000km of roads have been risk mapped and more than 700,000km of roads have now been star rated. However, a startling 45% of motorists and 85% of pedestrians still travel on roads rated two stars or under according to the World Health Organization's 2018 Global Road Safety Status Report.

This new course, jointly delivered by the International Road Federation and the International Road Assessment Program will assist road safety professionals translate risk mapping and road safety investment plans into treatment strategies and actionable measures on their road networks.

COURSE OUTCOMES

This course, jointly delivered by the International Road Federation (IRF Global) and International Road Assessment Program (iRAP) provides comprehensive resources and instruments for road professionals involved in road safety design and investment decisions. Its chief goal is to ensure the findings of iRAP surveys, as well as road safety audits and inspections are translated into prioritized road safety upgrades.

- Focus on road deficiencies that lead to severe and fatal injuries
- Create Star Ratings and Safer Road Investment Plans
- Design treatment support strategies
- Focus on measures that address vulnerable road users
- Identify & apply correct treatment measures
- Correctly utilize national and international reference manuals
- Present Findings to decision-makers

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 \$169/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 MARCH 4

DAY 1

09:00-12:00
(OPTIONAL)**iRAP Primer**

- Introduction to iRAP and creating a world free of high risk roads
- What are Star Ratings, how are they calculated and how do they relate to risk

13:00-14:00

Course Introduction

- iRAP & IRF introductions
- Participant introductions
- Course structure
- Course teams

14:00-17:30

Creating Star Ratings and Safer Roads Investment Plans

- Components of a Safer Road Investment Plan
- Setting 3 star or better targets
- Using Benefit Cost Ratios to prioritise investment options
- Calculating reductions in expected KSI

TUESDAY MARCH 5

DAY 2

09:00-13:00

Treatment Strategies

- Introduction to advanced SRIPs and accessing detailed planning data.
- How a SRIP can be used to support treatment strategies, budget preparation and design:
 - Black spot programs
 - Route treatments
 - Mass action treatments
 - Maintenance programs
 - Achievement of a star rating target

14:00-17:30

Practical exercises in creating treatment strategies

WEDNESDAY MARCH 6

DAY 3

09:00-13:00

Median & Roadside Safety – Part 1

- Forgiving Roads
- Forgiving Poles
- Longitudinal Barriers

14:00-17:30

Median & Roadside Safety – Part 2

- Crash Cushions
- Terminals & Transitions

THURSDAY MARCH 7

DAY 4

09:00-13:00

Vulnerable Road Users Part 1

- Real World Vulnerable User Safety Experiences
- Segment Issues & Countermeasures for Vulnerable Users
- Safety Countermeasures for Pedestrians

14:00-17:30

Vulnerable Road Users Part 2

- Safety Countermeasures for Motorcyclists
- Safety Countermeasures for Bicyclists
- Safety Countermeasures for Public Transport
- Safety Countermeasures for Non-Motorized Vehicles

FRIDAY MARCH 8

DAY 5

09:00-13:00

Creating an Enabling Environment

- Presenting findings to decision makers
- Innovative financing options for road safety

14:00-17:00

Group Exercises

- Presentation of exercises
- Team-led presentations
- Course certificates

NOT A MEMBER? JOIN THE IRF TODAY

SIX GREAT REASONS

1

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to the Next
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For more details, please contact melabyad@IRF.global or visit

www.IRF.global/membership



GLOBAL

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BEST PRACTICES • BUSINESS OPPORTUNITIES

Better Roads. Better World.



International Road Federation

GLOBAL HEADQUARTERS & SECRETARIAT

Madison Place

500 Montgomery Street, Fifth Floor

Alexandria, VA 22314 USA

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

REGIONAL OPERATIONS

Brussels, Belgium | Santiago, Chile | Accra, Ghana

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

www.IRF.global