



# Traffic Crash Investigation & Analysis

From Diagnosis to Prevention

Online Training  
Aug 31 - Sep 3, 2020



## Online Training

8 Professional Development Hours



**Traffic Crash Investigation & Analysis  
From Diagnosis to Prevention  
August 31 – September 3, 2020  
Online Workshop**

## Background

Millions of road crashes occur throughout the world every year. A car crash may have ten or more events that could be the cause. The goal is to identify all of these causes in order to understand their complexity and to realize that most car crashes are preventable by eliminating one or more of these causes.

Post-crash investigations determine how and why these failures occur and give additional answers to determine what can be done to prevent similar incidents. Road safety professionals need to know the basics of crash investigation in order to introduce measures to prevent similar crashes in the future. Understanding the crash phases and causes provides skills for the practitioners to improve safety in their community.

### Why Online?

- Earn 8 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 one-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.

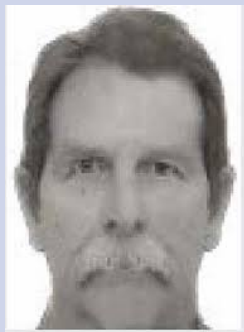
## Learning Objectives

- ✓ Learn about the principles of on-scene investigation
- ✓ Understand Classification, Terminology, Factors and Phases of Traffic Accidents
- ✓ Understand and recognize crash evidence
- ✓ Know the meaning and necessity of a detailed Accident Report
- ✓ Explore the use of immersive technologies in improving post-crash investigations
- ✓ Leverage crash and traffic law violation data to improve awareness & enforcement campaigns

## Target Audience

- National Road & Transport Agency Executives
- Law enforcement & accident investigation agencies
- Highway Engineers and Managers
- Federal and State Road Safety Agencies
- Road Safety Professionals

## Lead Instructor



### Benjamin Van Rooyen

Benjamin Van Rooyen earned an Honors Degree in Police Science from the University of South Africa (UNISA) and a National Diploma in Traffic Management from the Institute of Traffic and Metropolitan Police Officers of Southern Africa – (ITMPO). He is currently completing his Master’s Degree and his thesis will research “Predictive Police Practice in South Africa.” Mr. Van Rooyen is a traffic law enforcement veteran with more than thirty years of service in a large municipal traffic law enforcement agency and eleven years in an academic environment (higher education). He was Chief Traffic Officer of Germiston City, Director of Public Safety and an Interim Deputy Chief of Police at the Ekurhuleni Metropolitan Police Department before joining Lyceum College in South Africa, where he is currently the Acting Principal. Mr. Van Rooyen author of numerous articles, study manuals and text books in the field of traffic science.

## Registration

- 750 USD IRF Members
- 1,000 USD NON IRF Members

Registration: <https://www.irf.global/event/tci20-ws-online-training>

For any support, please contact [bhalleman@IRF.global](mailto:bhalleman@IRF.global)

# Schedule

Course hours: 07:00 AM– 09:00 AM US EST

Monday, August 31	<b>Principles for Effective Crash Investigation</b> <ul style="list-style-type: none"><li>• Introduction &amp; Learning Outcomes</li><li>• Factors and Phases of Traffic Incidents</li><li>• Human Factors in Road Traffic Crashes</li></ul>
Tuesday, September 1	<b>Making Sense of Evidence</b> <ul style="list-style-type: none"><li>• Principles of On-Scene Investigation</li><li>• Pre-collision and Post-Collision Evidence</li><li>• Identifying Evidences from the Vehicle, Passengers, Roadside objects, etc.</li></ul>
Wednesday, September 2	<b>Practical Observations</b> <ul style="list-style-type: none"><li>• Identifying the Exact Place of a Collision</li><li>• Measuring at the Crash Scene</li><li>• Collecting Evidence in Relation to the Factors of Traffic Safety</li></ul>
Thursday, September 3	<b>From Investigation to Analysis</b> <ul style="list-style-type: none"><li>• Comparing and Merging the Evidence</li><li>• Drawing lessons from single and repeat crashes</li><li>• Using crash information to inform safety awareness &amp; enforcement campaigns</li></ul>

# 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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## **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 | Accra, Ghana  
Nairobi, Kenya | Kuala Lumpur, Malaysia | Chicago, IL USA

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