

Event Data Recorder Use in Traffic Crash Reconstruction– Level II (40 Hour)

COURSE DETAILS:

This course build upon IPTM’s Event Data Recorder (EDR) Use in Traffic Crash Reconstruction-Level I by teaching you how to apply mathematical concepts to your EDR-based reconstructions.

We will begin by reviewing the math and physics concepts necessary to analyze EDR data in more complex non-central collisions. Topics such as the Law of Cosines; the Law of Sines; the concept of area under the curve; vector arithmetic; momentum; closing velocity; change in velocity relationships; and the First Law of Thermodynamics (aka the Conservation of Energy) will be discussed in detail. You will learn how each of these can be used in your reconstruction.

Actual EDR reports from a variety of collisions will be utilized to show you how to determine all the values necessary for a complete reconstruction. Projects and problem sets have been designed to reinforce the materials presented during lectures and will provide you with the tools you will need to complete actual reconstructions.

**Classroom space is limited,
register now to save your seat.**

TOPICS:

- Solving momentum problems with EDR data when some data elements, such as departure speeds, departure speeds, departure angles, etc. are missing (aka “triangle momentum”)
- How restitution affects your momentum-based reconstruction
- The effects of rotation on delta-V and closing speed (Effective Mass Ratio)
- The effects of external forces on momentum-reconstructions
- Using new Part 563 data elements
- Handling less common EDR anomalies

CLASS PRICE:

**Member fee: \$595.00
(2018 dues paid)**

Non-member fee: \$695.00

Questions?

Send email to:
iataitreasurer@iatai.org

About IATAI:

Visit www.iatai.org for the following:

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The Illinois Association of Technical Accident Investigators is pleased to be able to offer this and other classes at significant discounts to its members.

Interested in becoming a member? Register online at our website, www.iatai.org. IATAI membership is \$45.00 annually

IATAI TRAINING DATES

Oct. 2-3, 2017	Crash to Courtroom Springfield, IL
Oct. 3, 2017	Using Delta V from EDR Data in Crash Analysis Springfield, IL
Oct. 4-6, 2017	IATAI Conference Crowne Plaza Springfield, IL
Dec. 4-8, 2017	Occupant Kinematics For the Traffic Crash Reconstructionist Lockport, IL
May 21-24, 2018	Optics, Lighting and Visibility for the Forensic Investigator

IATAI SPONSORED CLASS

Event Data Recorder Use in Traffic Crash Reconstruction- Level II

FROM:

Institute of Police Technology
and Management



Where: Tinley Park Police Department
7850 183rd Street
Tinley Park, IL 60477

When: March 5-9, 2018
8:00a.m. to 5:00p.m.



ILLINOIS ASSOCIATION of
TECHNICAL ACCIDENT
INVESTIGATORS

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