

# Traffic Crash Reconstruction Update

This course will provide you with the latest theories and methodologies of crash reconstruction and expand your knowledge of the principles of collision analysis.

It will review the mathematical equations that are used in conjunction with crash data to interpret how a collision occurred. Emphasis will be placed upon skid characteristics, critical speed yaw analysis and friction.

You will also learn how to analyze the crash scene using energy-based methods. The concepts of time-distance, uniform circular motion, rectilinear motion and conservation of linear momentum are just a few of the topics that will be covered.

As part of the course, you will participate in "hands-on" projects designed to reinforce the material and a comprehensive, multi-disciplinary project will be assigned to assist you in learning the materials.

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

## Topics Include:

- Geometry, trigonometry and selected mathematical topics
- Newton's Laws of Motion
- Skid analysis and testing
- Critical speed yaw analysis
- Time-distance analysis
- Energy methods and simple rotational mechanics concepts
- Conservation of linear momentum
- Collision analysis
- Occupant kinematics
- Uniform projectile motion and airborne speed analysis

## Recommended Hotel

Hampton Inn  
(262) 438-1500  
1975 S. 18th Ave.  
West Bend, WI

Government Rate (with proper id) :  
\$70.00/night

\*\*When making reservations, reference  
"IATAI" as the group name.

Questions? Contact:  
Susan Shigemura  
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sushig@dtnspeed.net

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

To learn more about The Illinois Association of Technical Investigators check out our website at [www.IATAI.org](http://www.IATAI.org)

Interested in becoming a member? IATAI membership is \$45.00 annually. A PDF Membership application can be downloaded from our website.

**Member fee: \$495.00**  
(discount applies if 2009 & 2010 dues paid)

**Nonmember fee: \$695.00**

## IATAI 2010 Dates to Remember

September 15-17 IATAI Conference  
Bloomington, IL

# IATAI SPONSORED CLASS

## Traffic Crash Reconstruction Update

From  
Institute of Police Technology  
and Management

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Where: Washington County  
Sheriff's Department  
500 N. Schmidt Road  
West Bend, WI 53090

When: June 28-July 2, 2010



ILLINOIS ASSOCIATION of  
TECHNICAL ACCIDENT  
INVESTIGATORS  
7610 Roberts Road  
New Berlin, IL 62670  
Forwarding and Address Correction Requested

### REGISTRATION FORM

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ARE YOU A MEMBER OF IATAI (09 & 10 dues pd)?: \_\_\_\_\_  
**DETACH AND RETURN THIS FORM WITH PAYMENT TO:**  
IATAI  
7610 ROBERTS RD.  
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TUITION FEE: IATAI MEMBER: \$495.00 NON-MEMBER: \$695.00  
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