

Optics, Lighting and Visibility for the Forensic Investigator

TOPICS INCLUDE:

- The Physics of Light
- Photometry (principles and units)
- Basic Optics: Transmission, Absorption & Reflection
- The Human Vision System
- Light Sources (Including sun/moon) and influences
- Atmospheric/Weather Influences
- The Object (reflectance, color, motion, context, etc.)
- Retro-reflective Materials
- Principles and Optics of Headlights
- Headlamp mapping techniques
- Photography principles and techniques
- Documenting a scene at night
- Low-Light Photography
- Forensic Photography review

Questions?

Contact: Susan Shigemura
sushig@speednet.com

COURSE DETAILS:

The second day will have a delayed start and an evening session to do field work in the low light conditions. Rain, fog or snow will not impede that work unless lightning is present.

Day three will have an optional nighttime practical that will allow students to expand upon the field work exercise and complete a project that is specific to their work.

Students are expected to attend all of the classroom sessions and at least one nighttime exercise.

Certificates of completion and class roster provided.

COURSE PRE-REQUISITES:

Students are expected to be familiar with standard accident investigation procedures. Accident reconstruction experience will be helpful but is not required.

A familiarity with photography and camera technology will be helpful, but, again, is not required.

Students are requested to bring a digital SLR camera, flash, tripod, and remote shutter release. Bring any additional equipment that may be used in the field in which more experience is needed. Power and wireless connection for laptop computers will be available.

Class Price

IATAI Member: \$295.00
(2018 dues paid)

Non-IATAI Member: \$395.00

About IATAI:

Visit www.iatai.org for the following:

- Renew your membership
- Become a member of IATAI
- Learn more about upcoming IATAI sponsored events

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

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 TBA, Illinois
March 2018	EDR Use in TCR Level II Lockport, Illinois

All class brochures online at
www.iatai.org

IATAI SPONSORED CLASS

**Optics, Lighting,
and Visibility for the
Forensic Investigator**

From
Clearly Visible Presentations,
LLC.

Mr. James Sobek, P.E.
Mr. Gary Chambers, P.E.



Where: Illinois State Police-
Bureau of Identification Bldg
260 North Chicago
Joliet, IL 60432

When: May 21-24, 2018



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

REGISTRATION FORM

NAME: _____ E-MAIL: _____

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ARE YOU A MEMBER OF IATAI (2018 dues paid)?: _____

DETACH AND RETURN THIS FORM WITH PAYMENT TO:

IATAI
7610 ROBERTS RD.
NEW BERLIN, IL 62670

TUITION FEE: \$295 Member \$395 Non-Member

MAKE CHECKS PAYABLE TO IATAI.