

REGISTRATION INFORMATION

Name _____
Agency _____
Address _____
City _____ State _____
Zip _____ Phone _____
FAX _____ e-mail _____

**Registration fee:
\$600 .00 per person**

___ Payment Enclosed
___ Bill Me (P. O. Number _____)

30 ACTAR should be available

Training Site:

Westlake Public Library
27333 Center Ridge Road
Westlake, Ohio



4 WAYS TO REGISTER:

On Line: www.ncpi-ohio.com

Mail: Northcoast Polytechnic Institute
Attn: William D. Healy, Director
6688 Steinbeck Court
No Ridgeville, Oh 44039
Phone (440) 353-0796

e-mail: info@www.ncpi-ohio

Fax: (440) 353-0797

**30 ACTAR CEU's
should be available.**

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FOR OFFICE USE ONLY
School No _____
School: Occupant Kinematics, Injuries & Biomechanics in
Accident Reconstruction Nov 7-11, 2011



presents

**Occupant
Kinematics, Injuries
and Biomechanics
in Accident
Reconstruction**



**HOSTED
BY**

**Westlake
Police Department**

one week school

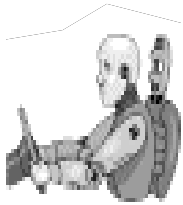
**Nov 7-11,
2011**

**8:00 AM – 4:30 PM
each day**

**30 ACTAR CEU's
should be available.**

About the course:

“Occupant Kinematics, Injuries and Bio-mechanics in Accident Reconstruction”



“...to explain occupant movement in a vehicle”

This school is designed for an experienced law enforcement officer, accident reconstructionist or engineer who are involved in the investigation and litigation of motor vehicle accidents. Students attending must have had previous training in accident reconstruction. The intent of the seminar is to heighten the awareness and knowledge of criminal justice and accident investigation professionals in biomechanics to explain occupant movement within a motor vehicle. Medical and forensic science interpretation of this concept will be provided to illustrate the potential for injury or

death in vehicle accidents. The course will include reference materials, handouts and numerous video and slide presentations to assist each student in understanding the various topical areas of study.

Topics to be discussed

- Momentum and energy
- Delta V and G load
- Low speed impact
- Air bags and sensors
- Occupant restraint systems
- Occupant kinematics
- Physics review
- Vehicle geometry
- Black boxes and future technology
- Clinical forensics, trace evidence & methods of investigation
- Blunt and sharp injury
- Forensic toxicology & DNA
- The medicolegal autopsy and report



About the instructors:

Henry P. Lipian:

B.S.S., ACTAR accredited (#83)

Mr. Lipian is a former municipal police sergeant, federal officer with the U.S. Coast Guard and Ohio State Trooper. He has been involved full-time in the private area of crash reconstruction since 1989. He is a graduate of specialized crash investigation and reconstruction schools from Texas A&M University, Northwestern University, The Highway Patrol Academy, Underwriter's Laboratory, The University of North Florida and others. He is the President and CEO of INTROTECH Crash Reconstruction Services Inc. in Grafton, Ohio. He is a court accepted expert in both traffic and watercraft crash reconstruction.

James B. Crawford:

B.S., M.S., ACTAR accredited (#1030).

Mr. Crawford is a retired Captain from the U. S. Coast Guard having served over 27 years. He has a Bachelor's of Science degree from the U.S. Coast Guard Academy and a Masters of Science Degree in Aeronautical Engineering from the U.S. Naval Post-Graduate school. He has graduated from specialized accident investigation and reconstruction schools from the University of Southern California, the University of California, the University of North Florida and Society of Automotive Engineers. He has been employed as an accident reconstructionist for INTROTECH Crash Reconstruction Services Inc. in Grafton, Ohio for over four years. He has reconstructed hundreds of motor vehicle accidents and has served as an expert witness in court numerous times.

Additional instructors will be utilized from the Cuyahoga County Coroner's Office. A medical doctor/forensic pathologist and/or a forensic trace evidence specialist will discuss how a coroner can aid an accident investigator in determining who was driving through the use of the autopsy, autopsy report, injuries to the body, DNA evidence, etc.

* ACTAR
Accreditation Commission of Traffic
Accident Reconstruction