

REGISTRATION INFORMATION

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

**Registration fee:
\$200**

____ Payment Enclosed
____ Bill me later PO # _____

**Training Site:
Wickliffe Police Dept
28730 Ridge Road
Wickliffe, Oh 44092**



4 WAYS TO REGISTER

On Line: www.ncpi-ohio.com
Mail: Northcoast Polytechnic Institute
Attn: William D. Healy, Director
6688 Steinbeck Court
North Ridgeville, Oh 44039
Phone (440) 353-0796
e-mail: info@ncpi-ohio.com
Fax: (440) 353-0797

FOR OFFICE USE ONLY
School No _____
School: Onboard Sensors Mar 14-15, 2012
Wickliffe PD

Web: www.ncpi-ohio.com

**10.5 CLE CREDITS should be
available to Attorneys
and
12 ACTAR CEU's available to Acci-
dent Reconstructionists**

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**Introduction to
On-Board Vehicle
Sensors and
Modules for Crash
Data Retrieval**

Hosted by:

**Wickliffe
Police Department**

**Wed – Thurs
March 14-15,
2012**

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and
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Accident Reconstructionists**

8:00 AM –4:30 PM each day

About the courses:

“Introduction to On-Board Vehicle Sensors and Modules for Crash Data Retrieval”

Modern motor vehicles are increasingly being equipped with sophisticated sensors that monitor key elements of vehicle dynamics and severity of the crash itself. Many of these sensors are capable of storing information through the vehicle’s electronic data retrieval systems (EDR) and may be extremely valuable to a crash analysis. Some of the data that might be stored includes; vehicle speed, percent of wide open throttle, seat belt usage, brake application, engine RPM, steering input, force direction, air



bag deployment etc. Overall the information from these sensors comes from one or more of the systems listed below. This two-day seminar will serve as an important introduction and overview of these systems. Although not intended to make an attendee to this seminar an expert in the field, the information provided will provide valuable introductory information topics listed below. Extensive use of power point, animations and hand out material will complement the lectures.

point, animations and hand

**All presenters are fully accredited crash reconstructionists (ACTAR) and have specialized training and experience as sensor technicians/analysts including extensive expert testimony in courts throughout the United States.*

About the instructors:

IHenry P. Lipian

ACTAR #83– Lieutenant USCGR (RET.)

Mr. Lipian had over thirty (30) years of investigative and law enforcement experience in the United States Coast Guard, Ohio State Highway Patrol and the Hunting Valley Police Department. Mr. Lipian is the President of INTROTECH Accident Reconstruction Services Inc. and has served as an accident reconstructionist for the past 15 years.

James B. Crawford

ACTAR #1030 – Captain USCG (RET.)

Mr. Crawford is a retired Captain from the U. S. Coast Guard with a Masters Degree in Aeronautical Engineering. 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. His specialty is train and motorcycle crash reconstruction.

Dale Dent: ACTAR Accredited (#853)

Deputy Lorain Co SO (RET)

He is a former Sheriff’s Deputy from Lorain County Ohio and Manatee County Florida. He has graduated from schools at Northwestern Traffic Institute. The University of North Florida, Texas A&M University and others. His specialty is commercial vehicle crash reconstruction

Choya R. Hawn - ACTAR #1592

Trooper Ohio State Highway Patrol (RET)

Mr. Hawn had over 26 years of experience as a field trooper and crash investigator with the Ohio State Highway Patrol. Mr. Hawn has received training from Collision Safety Institute (C.S.I.) and the Institute of Police Technology and Management (I.P.T.M.) in the collection and analysis of event data from airbag, power-train and roll-over modules.

About the topics:

- Air bag control module (ACM)
- Power train control module (PCM)
- Engine control module (ECM)
- Global Positioning System (GPS)
- Roll over sensor (ROS)
- Qualifications for a technician and analyst as well as other expert qualification issues
- How the systems work and how the data can be stored
- How the data is downloaded
- Which vehicles have the sensors and what kind of data may be stored from a particular vehicle
- How to safeguard the sensor data during an investigation and maintain it as evidence
- How this data should be applied to a situationally complete reconstruction
- How to verify that the data downloaded is from the crash being investigated
- Examples of how this data has been used in previous cases to resolve important issues
- The future of this technology including upcoming Federal regulations