

**REGISTRATION INFORMATION**

Name \_\_\_\_\_  
Agency \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_  
Zip \_\_\_\_\_ Phone \_\_\_\_\_  
FAX \_\_\_\_\_ e-mail \_\_\_\_\_

**Registration fee:**

**\$400.00 per person**

\_\_\_ Payment Enclosed  
\_\_\_ Bill Me (P. O. Number \_\_\_\_\_)

**Training Site:**

**Westlake Porter Public Library  
27333 Center Ridge Road  
Westlake, Ohio**



**4 WAYS TO REGISTER:**

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

FOR OFFICE USE ONLY  
School No \_\_\_\_\_  
School: Pedestrian Accident Reconstruction  
Date April 30 – May 2, 2019

Northcoast Polytechnic Institute  
Attn: William D. Healy, Director  
6688 Steinbeck Court  
North Ridgeville, Ohio 44039  
Phone: (440) 353-0796  
Fax (440) 353-0797  
e-mail: [info@ncpi-ohio.com](mailto:info@ncpi-ohio.com)  
[www.ncpi-ohio.com](http://www.ncpi-ohio.com)

**20 ACTAR CEU's should be available**



**presents**

**Pedestrian  
Accident  
Investigation and  
Reconstruction**



**HOSTED  
BY**

**Westlake Police  
Department**

**20 ACTAR CEU's should  
be available**

**Tuesday-Thursday  
April 30 – May 2,  
2019**

**8:00 AM – 4:30 PM  
each day**

## About the course:

### **“Pedestrian Accident Investigation & Reconstruction”**

This three (3) day school is designed to prepare the accident investigator and reconstructionist on how to thoroughly document and investigate pedestrian accidents. It is especially important to be accurate when investigating and reconstructing accidents involving pedestrians due to their complicated nature and due to the need to utilize forensic medical evidence. In addition to the pedestrian accident training, training will be provided on how to conduct night-time visibility studies. Practical project work and exercises will be provided for the students to complete.



## About the topics:

- Pedestrian crash categories: fender vault, wrap trajectory, forward projection & roof vault
- Pedestrian speed calculations
- Information from the road, vehicle and body
- Pedestrian motion
- Pedestrian walking velocities
- Vehicle speed estimates
- Night-time visibility experiments
- Injury Patterns of the Pedestrian
- Human Factors including Age, Expectancy, Perception/Response, Driver/Pedestrian Distraction Issues
- Effects of Alcohol and Drugs
- Environmental Conditions
- Vehicle headlamp systems
- Trial Exhibits and Presentation Examples
- Practical projects
- Final examination



## About the instructors:

**HENRY P. LIPIAN** is a former federal officer with the United States Coast Guard. He is also a former Sergeant with the Hunting Valley Police Department and a former Trooper with the Ohio State Highway Patrol. He currently owns his own crash reconstruction company, Introtech Crash Reconstruction Services. Mr. Lipian is an OPOTC certified police instructor and is a nationally accredited accident reconstructionist by ACTAR (Accreditation Committee for Traffic Accident Reconstructionists). He has testified in hundreds of depositions and trials in local, state and federal courts. He is a well respected, court accepted, expert witness throughout Ohio, New York and Florida. Mr. Lipian has testified on behalf of prosecutors and defense attorneys in criminal cases. He has also testified over 100 times in civil cases for both plaintiff and defense attorneys.

**JAMES B. CRAWFORD** is a retired Captain in the United States Coast Guard after serving over 27 years in the military. He served as Chief of the Coast Guard's Command Center and as Chief of the Avionics Branch of the Coast Guard's Aeronautical Engineering Division. He holds a Bachelor of Science degree and a Master of Science degree in Aeronautical Engineering. While on active duty, he operated Coast Guard Cutters and flew both fixed and rotary winged aircraft. While in the Coast Guard, he investigated numerous vessel accidents and motor vehicle crashes. He has completed training in accident reconstruction and is certified as an accident reconstructionist under the auspices of the Accreditation Committee for Traffic Accident Reconstruction (ACTAR). He has taught watercraft accident investigation and reconstruction courses for the Institute of Police Traffic Management (IPTM).

**DANIEL LIPIAN** is a forensic toxicologist, pharmacology analyst, crash reconstructionist and human factors expert at Introtech. He holds a Bachelor's of Science (B.S.) in Physics from Bowling Green State University and a Masters in Pharmacology and Toxicology (M.S.) from Michigan State University. He has also graduated from training in Crash Investigation, Vehicle Dynamics and Crash Reconstruction from the Northwestern University Center for Public Safety. Mr. Lipian is an expert in crash reconstruction and toxicology/pharmacology, with an emphasis on analyzing drugs of abuse, toxicology lab reports, medical reports and prescription medication history to determine how they relate to impairment and general crash events. He is also an expert in general crash investigation and reconstruction, autonomous vehicles, vehicle dynamics, occupant kinematics, pedestrian reconstruction and 3-D vehicle simulations/animations.