

**Joseph S. DiGregorio, SR**  
**Accredited Accident Reconstructionist**  
**The Crash Lab, Inc.**

**Post Office Box 850**  
**Hampton, N.H. 03843-0850**  
**(603) 926-0624 – FAX: (603) 929-0744**  
**e-mail: joe@thecrashlab.com**  
**www.TheCrashLab.com**

**EDUCATION:**

**Hawthorne College, Antrim, New Hampshire**  
Bachelor of Science, Criminal Justice Administration, **1988**

**Backster School of Lie Detection, San Diego, California, 1986**

**Babson College, Wellesley, Massachusetts, 1986**  
Command Training

**New Hampshire Police Standards and Training Council**

**New Hampshire Police Academy**

**September-October 1977**, Pease Air Force Base, New Hampshire

Successfully completed the 36<sup>th</sup> session of the New Hampshire Police Academy with full certification as a New Hampshire law enforcement officer.

**New Hampshire Health and Human Services**

**May, 1984**, Concord, New Hampshire

**Intoximeter Certification**

**New Hampshire Police Standards and Training Council**

**At-Scene Accident Investigation**

**April, 1985**, Concord, New Hampshire

Successfully completed 40-hour course of instruction. Topics included Examination of Damaged Vehicles, Vehicle and Roadway Evidence, Lamp Examination, Measurements and Diagrams, Accident Photography, and Basic Accident Investigation Calculations and Formulas.

**University of North Florida, Institute of Police Technology and Management**

**Advanced Traffic Accident Investigation**

**September, 1986**, Jacksonville, Florida

Successfully completed 80-hour course of instruction. Topics included Vehicle Lamp Examination, Tire Damage Evaluation, Roadway Evidence, Photograph Interpretation, Vehicle Dynamics, Flips, Falls and Vaults, Advanced Measuring and Diagramming, Conservation of Linear Momentum, Human Factors, Time and Distance.

**University of North Florida, Institute of Police Technology and Management**

**Investigation of Motorcycle Accidents**

**January, 1990**, Concord, New Hampshire

Successfully completed 40-hour course of instruction. Topics included Braking and Turning Accidents, Modes of Stability, Evidence from the Roadway, Acceleration Characteristics of the Motorcycle, Vehicle Damage, Braking Efficiency, and Practical Application of Formulas.

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## EDUCATION:

### University of North Florida, Institute of Police Technology and Management

#### Traffic Accident Reconstruction

June, 1990, Concord, New Hampshire

Successfully completed 80-hour course of instruction. Topics included Kinetic Energy, Vehicle Dynamics (Time and Distance, Momentum Equations), Combined Speed, Motorcycle Acceleration Speed Estimates, High-Speed Test Skids and Critical Scuffs, Equations for Radius and Tangent Offset, Vaults and Falls, Critical Speed, Weight Shift, Momentum, Minimum Speed, and Quadratic Equations.

### New Hampshire Attorney General's Office

#### Motor Vehicle Homicide Prosecution Seminar

May, 1993, Manchester, New Hampshire

Attended two-day seminar. Topics included Investigation Coordination, Legal Issues, Physical Evidence, Technical Accident Reconstruction, Forensic Pathology, Toxicological Evidence, and Drug Impairment.

### University of North Florida, Institute of Police Technology and Management

#### Investigation of Pedestrian Accidents and Human Factors

December, 1993, Concord, New Hampshire

Successfully completed 40-hour course of instruction. Topics included Pedestrian Injuries, Pedestrian Impact Kinematics, Vehicle Contacts, Perception-Reaction Time, Pedestrian Conspicuity, Impact Speed Evaluations, and Collection/Analysis of Roadway Evidence.

### Texas A&M University • Texas Engineering Extension Service

#### Low-Speed Collision Analysis

September, 1996, San Diego, California

Successfully completed 40-hour course. Topics Included Biomechanics Overview, Occupant Motion and Tolerances, Automotive Safety and Low Speed Collisions, Damage and Delta-V Applications, Force, Momentum and Energy, and Frequently Claimed Injuries.

### Texas A&M University • Texas Engineering Extension Service

#### Reconstruction and Safety on the Highway

March, 1997, College Station, Texas

Attended 36-hour conference. Topics included Nighttime Vision and Reaction Time, Human Subject Testing and Response to Low Level Accelerations, Coefficient of Restitution, Water-Related Accidents, Energy and Momentum, and Crash Testing.

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## EDUCATION:

### **National Institute of Forensic Studies**

#### **Biomechanics of Injury From Traffic Collisions**

**May, 1997**, San Ramon, California

Successfully completed 24-hour course of instruction. Topics included Relevant Medical Terminology, Some Representative Injuries and their Mechanisms, Occupant Kinematics and Dynamics, Basic Physics Pertinent to Traffic Collisions, Speed Change (Delta V) in Collision Reconstruction, Basic Laws of Motion, The Effect of Restraining Systems on Occupants During a Collision, Whiplash-Associated Disorders, Injury Biomechanics in Low-Speed Rear-end Collisions.

### **Texas A&M University • Texas Engineering Extension Service**

#### **Motorcycle Accident Reconstruction**

**October, 1997**, San Diego, California

Successfully completed 40-hour course of instruction. Topics included Acceleration and Skid Tests, Balance and Stability, Investigation Techniques, Physical Evidence from Roadway, Evidence Analysis, and Calculations.

### **Texas A&M University • Texas Engineering Extension Service**

#### **Biomechanics for Traffic Accident Reconstruction**

**February, 1998**, Mesquite, Texas

Successfully completed 40-hour course of instruction. Topics included Speed Change (Delta V), Principal Direction of Force, Engineering Mechanics, Occupant Protection Systems, Medical Terminology, Conservation of Linear Momentum, Vector Analysis, Pattern of Injuries, Occupant Kinematics, and Basic Laws of Motion.

### **Maryland Association of Traffic Accident Investigators (MATAI)**

#### **1998 Joint Annual Conference: Motorcycle Accident Reconstruction and Testing**

**September 30 to October 2, 1998**, Waldorf, Maryland

Attended 24-hour conference. Topics included Motorcycle Accident Reconstruction Techniques, Rider Fatigue, Human Factors and Motorcycle Accident Reconstruction, Motorcycle Physical Evidence, Defects and Recalls, Case Studies and Motorcycle-to-Vehicle Crash Testing, and Tire Analysis.

### **New Jersey Association of Accident Reconstructionists**

#### **The Relationship Between Crush and Energy in Collision Reconstruction**

**March 24 & 25, 2000**, Middlesex, New Jersey

Attended 16-hour conference. Topics included Delta-V, Delta-T, Restitution, Damage Energy, Collision Damage Classification, Stiffness Coefficients, and Crush Measurements.

### **New York Statewide Accident Reconstruction Society (NYSTARS)**

#### **Accident Reconstruction Seminar**

**September 8, 2000**, New York State Police Academy, Albany, New York

Discussions on Yaw Mark Theory and Testing; Nuts & Bolts of Expert Witnessing

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## EDUCATION:

### **New York Statewide Accident Reconstruction Society (NYSTARS)**

#### **2001 Joint Annual Conference: Investigating Bus and Train Collisions**

**October 2 to October 4, 2001**, Albany, New York

Train vs. Pickup Truck, Bus vs. Auto, Auto vs. Bus Crash Testing; Commercial Vehicle Collision - Case Studies; Overview of the New York Public Transportation Safety Board (NYPSTB); Prevention and Investigation of Bus Accidents; Pavement Surface Water Hazards and other Roadway Issues Affecting Large Vehicles - Case Studies; Overview of the Highway Accident Investigation Division of the National Transportation Safety Board (NTSB); Forensic Animations; Drag Sled Uncertainty Testing Results and Additional Testing (continued from WREX 2000).

### **National Association of Professional Accident Reconstructionists (NAPARS)**

#### **2002 Joint Annual Conference: Introduction to Event Data Recorders and Crush Documentation and Analysis**

**September 11 to September 13, 2002**, Ocean City, Maryland

Future of Occupant Safety Systems, Heavy Truck Engine Control Modules (ECM), Crush Measurement Protocol, Crush Measurements and Application to Mathematical Formulae and Computer Programs, Real World Experience with EDR/CDR Technology, Live Crash Testing and Bus Skid Testing, ECM & CDR results.

### **Heckler & Koch, Inc. International Training Division**

#### **Survival Skills for the Motor Officer**

**April – May, 2003**, Fairfax County, Virginia

Successfully completed 40-hour course of instruction. Topics included Fundamentals of Shooting, Firing on the Move, Broadsides, Using the Motorcycle for Cover, One-hand Firing, Vehicle Stops and Low-light Firing.

### **Maryland Association of Traffic Accident Investigators**

#### **2004 Combined Conference on Motor Vehicle Collision Reconstruction**

**October, 2004**, Ocean City, Maryland

Attended a three-day conference. Topics included Criminal Litigation in Accident Reconstruction, Field Crash Testing, DNA in Accident Reconstruction, Excel and Spreadsheets for Accident Reconstruction, Electronic Crash Data Recorders, Internet Resources for Accident Reconstruction, NHTSA Early Warning Reporting Regulations.

### **New York Statewide Traffic Accident Reconstruction Society (NYSTARS)**

#### **Driver Response in Various Environments**

**March, 2005**, Yorktown Heights, New York

Attended a two-day seminar. Topics included Perception/Reaction Basics, Driver Decision Making, Driver Response Time Research, Estimating Driver Response at Night, Documenting Lighting and Response to Traffic Signals.

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## EDUCATION:

### **International Association of Chiefs of Police (IACP)**

#### **Highway-Rail Crossing Collision Investigation**

**June 1-2, 2005**, University of New Hampshire, Durham, New Hampshire  
Successfully completed 16-hour course of instruction. Topics included Railway Trespass Violations, Case Studies, Railway Crossing Features, Locomotive and Train Stopping Distance, Line of Sight and Collision Reconstruction.

### **Institute of Police Technology and Management (IPTM)**

#### **Traffic Engineering for Police**

**February 20-22, 2007**, Police Standards and Training, Concord, New Hampshire  
Successfully completed 20-hour course of instruction. Topics included Roadway Terminology, Intersection Terminology, Street Classification, Traffic Calming, Traffic Volume, Accident Data, Traffic Signal Operation and Traffic Signal Equipment.

### **New York Statewide Accident Reconstruction Society (NYSTARS)**

#### **2007 Joint Annual Conference: High Rotation Collisions**

**October 24-26, 2007**, Binghamton, New York  
Attended 20-hour conference. Topics included Occupant Kinematics in High Rotation Collisions, Collisions at Signalized Intersections, Occupant injury patterns, CDR Update and Crash Testing.

### **State of New Hampshire Office of the Attorney General**

#### **2007 Jay McDuffee Motor Vehicle Seminar**

**November 13, 2007**, Police Standards and Training, Concord, New Hampshire  
Attended 8-hour seminar. Topics included Courtroom Survival-Making the Traffic Officer a Powerful Witness, Blood Draws in Negligent Homicide Cases and Case Law Update.

### **Pennsylvania State Police**

#### **2008 Reconstruction Seminar**

**September 30-October 2, 2008** State College, Pennsylvania  
Attended 24-hour seminar. Topics included Human Factors and Nighttime Pedestrian Visibility, Occupant Kinematics, Optics Lighting & Visibility in Accident Reconstruction, Critical Speed Yaw in Unusual Conditions, Pole & Narrow Object Impacts and Thermal Imaging in Crash Investigation.

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**EDUCATION:**

**RECOGNIZED EXPERT:**

Qualified as an expert witness in Dover District Court, Strafford County Superior Court (Dover, New Hampshire), District and Superior Courts in New York, Pennsylvania, Maryland, New Jersey, Delaware, Vermont, Connecticut, Florida, Rhode Island, Massachusetts, and Wisconsin.

**ACHIEVEMENTS:**

**Certificate of Appreciation**, United States Marshals Service, Operation FALCON (Federal and Local Cops Organized Nationally), **April 4-10, 2005**

Recognized for service in national fugitive arrest sweep.

**Certificate of Appreciation**, Portsmouth, New Hampshire Police Department  
**January, 2000**

Recognized for providing assistance to the Portsmouth Police Department in accident investigations and reconstruction issues involving civilian and police crashes.