

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
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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 36th 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.



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-Response 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.



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.



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EDUCATION:

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

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, Broad-sides, 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.



EDUCATION:

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.

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.

Texas Association of Accident Reconstruction Specialists, (TAARS), National Association of Professional Accident Reconstruction Specialists, (NAPARS) & 12 Other Participating Accident Reconstruction Organizations:

F³T² Conference:

September, 2006, Houston, TX

Dynamic vehicle to vehicle crash testing; Dynamic Truck-Tractor and Semi-Trailer Deceleration Testing; Experimental Program to Study the Tire-Road Friction Related to Drag Sleds; Critical Speed Yaw Testing; “Human Error, but Which Human and Whose Error”; Perception and Reaction; Applicability of Crush Analysis Formulas; Computer Simulations; Nighttime Perception and Reaction Times; Commercial Event Data Recorders; Nighttime Visibility Studies and Digital Photography; and Highway Sightlines for Accident 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.



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EDUCATION:

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.

Vericom Computers, Inc.:

Vericom Computer Familiarization for Traffic Crash Investigation:

May, 2010, Windham, New Hampshire

Skid friction testing, coefficient of friction, braking systems, acceleration, gradient and super-elevation, courtroom presentation, Profile software training, analyzing the deceleration curve, lateral acceleration, measuring brake pedal pressure, measuring brake system air pressure, measuring reaction time, introduction of OBDII (on-board diagnostics interface) to Vericom, measuring low speed impacts with an accelerometer, and application of multi-axis accelerometer.

Pennsylvania State Police

2010 Reconstruction Seminar

September 28-30, 2010 State College, Pennsylvania

Attended 24 hour seminar. Topics included Nighttime Pedestrian Crash Case Study, Current issues in EDR, Tire Dynamics, Elderly Drivers, Sensitivity Analysis, Current issues in Pedestrian Reconstruction, Crash Testing and Crash Test Data and Analysis.

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.



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EDUCATION:

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.

NOT FOR DISCLOSURE