

STEPHEN EMOLO
CURRICULUM VITAE

EDUCATION:

Newark College of Engineering, Division of Technology, Newark, New Jersey

- Municipal Engineering Technology, 1972

Institute of Police Technology & Management, University of North Florida

- Special Problems in Accident Reconstruction, 1985

Northwestern University, Traffic Institute, Evanston, Illinois

- Certificate in At-Scene Technical Evidence Collection, 1989

University of North Florida, Institute of Police Technology Management

- Certificate in Traffic Accident Reconstruction, 1992

Rutgers University, New Brunswick, New Jersey

- Certificate in Urban Work Zone Safety, 1993

Monmouth County Traffic Officers Association

- Law Enforcement Photography, 1994

Monmouth County Traffic Officers Association

- Tire Damage Analysis, 1994

Northwestern University, Traffic Institute, Evanston, Illinois

- Certificate in Microcomputer-assisted Traffic Accident Reconstruction – EDCRASH, 2000

CERTIFICATIONS:

Fully Accredited Traffic Accident Reconstructionist, 1994.

Accreditation Commission for Traffic Accident Reconstruction – A.C.T.A.R. #556

Qualified as an Expert Witness in Accident Reconstruction

- State of New Jersey, Municipal Court, Superior Court, and Federal Court
- State of New York Supreme Court

Sokkia Electronic Total Station Forensic Mapping Training

Certified in Forensic Mapping, 1997

Certified as a Crash Data Retrieval Technician, Vetronix Corporation

Airbag Sensor and Crash recording data technology, 2007

EXPERIENCE:

Wayne Township, New Jersey, Senior Civil Engineering Design Draftsman Supervisor,
Engineering Division, 1970-1989

Suhaka Desch Associates, Accident Reconstruction and Traffic Engineering
Accident Reconstructionist, 1985-1989

John Desch Associates, Inc., Accident Reconstruction and Traffic Engineering
Senior Accident Reconstructionist, Director of Operations/Office Manager, 1989-2010

SKE Forensic Consultants, Accident Reconstruction, Partner/Accident Reconstructionist,
2010-Present

PROFESSIONAL AFFILIATIONS:

NATARI National Association of Traffic Accident Reconstructionists and
Investigators

NJAAR New Jersey Association of Accident Reconstructionists

NYSTARS New York Statewide Accident Reconstruction Society

MISCELLANEOUS:

Engineering Building Inspector, New Residential Construction Compliance Officer

At-Scene Accident Evidence Collection Instructor, Seminars for various trucking companies
and insurance companies (public/private organizations)

Instructor in At-Scene Traffic Accident Investigation, Bergen County Police Academy

Expert commentator for Court TV programs regarding accident reconstruction issues/trials

SPECIALIZED ACCIDENT RECONSTRUCTION TRAINING

Institute of Police Technology & Management, University of North Florida

- Special Problems in Accident Reconstruction, 1985

Northwestern University, Traffic Institute, Evanston, Illinois

- Certificate in At-Scene Technical Evidence Collection, 1989

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Airbag Sensor and Crash recording data technology, 2007

SOAR Conference

Collision Analysis and Traffic Accident Reconstruction

Miami, Florida – August 28-September 4, 1987

NATARI Conference

Occupant Kinematics/Restraint Systems

Atlantic City, New Jersey – October 10-12, 1990

Vehicle Crush Measurement Techniques

Philadelphia, Pennsylvania – October 8-10, 1992

NATARI – NAPARS – MATAI Combined Conference

Pedestrian Accident Investigation/Analysis

Ocean City, Maryland – October 14-16, 1993

Motorcycle Collision Investigation/Analysis

Atlantic City, New Jersey – October 19 - 21, 1994

NATARI – NAPARS – MATAI – NJAAR – NYSTAR Combined Conference

Human Factors in Accident Reconstruction

Lancaster, Pennsylvania – October 5 – 7, 1995

Low Speed Crash Analysis/Forensic Tire Examination

Atlantic City, New Jersey – October 1 – 3, 1997

Motorcycle Accident Reconstruction

Waldorf, Maryland – September 30 – October 2, 1998

Commercial Vehicle Reconstruction
Allentown, Pennsylvania – October 6 – 8, 1999

Investigating Bus and Train Collisions
Albany, New York – October 3 – 5, 2001

Event Data Recorders/Crush Documentation and Analysis
Ocean City, Maryland – September 11- 13, 2002

Pole Impact Testing and Analysis/New Car and Car Lighting Technology/
Impact Factors Influencing Pattern of Injuries/Biomechanics/Digital
Photography
Atlantic City, New Jersey – October 1 – 3, 2003

TAARS – SOAR – WATAI Combined Conference

High Speed Crash Testing College Station, Texas, Texas A & M University
June 14 – 16, 1990

Low Speed Crash Testing, Orlando, Florida, October 12 – 14, 1991

Collision Analysis and Traffic Accident Reconstruction
Charlottesville, Virginia – August 24 – 26, 1995

NYSTARS – Seminar

Vehicle Dynamics during Braking/Cornering
Pedestrian Vehicle Collisions
Occupant Motion in Rear End Collisions,
Yorktown Heights, New York – March 2, 2000

WREX 2000 Combined Conference (22 Hosting Organizations)

**TAARS – NJAAR – NYSTARS – SOAR – NATARI – NAPARS – MATAI – IAARS -
CATAIR – CAARS, etc.**

Crash Protocol,
Coefficient of Friction Testing,
Tractor Trailer Air Brake Testing,
Motorcycle to Barrier Crash Testing,
Vehicle-to-Vehicle High Speed Crash Testing,
Total Station Crush Dimensioning,
Forensic Mapping, Lamp Examination,
Vehicle Restitution,
Alcohol Involvement,
Trailer Underride Conspicuity and Human Factors,
Driver's Detection and Response Process, Highway Liability.
College Station, Texas, Texas A & M University – September 24-29, 2000

2006 F3 T2 Combined Conference (12 Hosting Organizations)

NATAIR – MATAI – PSFM – SEARS – IAARS – NAPARS – SCAARS – SOARS – NYSTARS – SATAI – WATAI, etc.

Crash Tests,
Dynamic Deceleration Testing
Tire-Road Friction Related to Drag Sleds,
Applicability of Crush Analysis Formulas,
Nighttime Perception/Reaction Test,
Highway Sightlines for Accident Reconstruction
Houston, Texas – September 17- 21, 2006.

NYSTARS – NJAAR – NAPARS – NATARI – MATAI Combined Conference (2007)

Investigating Eccentric Collisions,
Occupant Kinematics in a Rotational Collision
Injury Patterns,
Crash Data Retrieval (CDR) Up-dates,
Eccentric Crash Testing
Binghamton, New York – October 24 – 26, 2007

NJAAR – NYSTARS – NAPARS – NATARI – MATAI Combined Conference (2008)

Issues in lateral pole collisions,
Commercial vehicle event data recorders,
Critical speed yaw special situations,
Alcohol/cannabis/stimulants/opiates and driving,
Airborne analysis,
Lateral pole crash testing and test data review
Atlantic City, New Jersey – October 15 – 17, 2008.

NAPARS – NATARI – MATAI – NJAAR – NYSTARS – PSFM Combined Conference (2009)

Heavy vehicle crash reconstruction,
Commercial vehicle electronic data sources and data extraction techniques,
Analysis of Detroit Diesel (DDDL) reports and MCSAP Internet resources,
Conversation of Linear Momentum restrictions regarding heavy vehicles
Versus passenger vehicle collisions,
Air brake adjustment and stopping ability of heavy trucks,
Combining aerial photograph and forensic mapping data, tractor-trailer crash
testing.
Ocean City, Maryland – October 7 – 9, 2009.