

## **SKE Forensic Consultants, LLC**



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### **STEPHEN N. EMOLO CURRICULUM VITAE**

#### **CURRENT POSITION:**

Co-founder and partner of SKE Forensic Consultants LLC, a private consulting firm specializing in the analysis and reconstruction of traffic accidents.

#### **CERTIFICATIONS/QUALIFICATIONS:**

Fully Accredited Traffic Accident Reconstructionist, 1994  
Accreditation Commission for Traffic Accident Reconstruction – A.C.T.A.R. #556  
New Jersey Private Investigator, License #8675

Qualified as a Traffic Accident Reconstruction Expert in Federal Courts, Superior Court, and Supreme Court in the following states:

- New Jersey
- New York
- Connecticut
- Pennsylvania

New Jersey Private Detective License No. 8675

- Law Enforcement Photography, conducted by Nikon, November 21 - 22, 1994
- Sokkia Electronic Total Station Forensic Mapping Training
- Certified in Forensic Mapping, 1997
- Certified as a Crash Data Retrieval Technician, Collision Safety Institute, March, 2007
- Vetronix Corporation Airbag Sensor and Crash recording data technology, 2007
- Digital Photography for Accident Investigators
- Harrisburg, Pennsylvania – October 4, 2011
- Certified in FARO 3-D Scanning, Redding Forensics – Oakland, New Jersey, July 2012
- Certificate of Training Detroit Diesel Diagnostic and DDEC Reports, Tactical Training Strategies, January 25, 2013

## **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

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

- American Public Works Associates, In-Service Training Course, for Public Works Construction Inspectors

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

University of North Florida, Institute of Police Technology Management

- Pedestrian and Bicycle Accident Investigation, 2016

## **PROFESSIONAL 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 SOCIETIES/MEMBERSHIPS:**

**NYSTARS** New York Statewide Traffic Accident Reconstruction Society

**NJAAR** New Jersey Association of Accident Reconstructionists

**NATARI** National Association of Traffic Accident Reconstructionists and Investigators

**INCR Group** User Group for International Network of Crash Reconstructionist

## **SPECIALIZED ACCIDENT RECONSTRUCTION/RELATED 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

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

Sokkia Electronic Total Station Forensic Mapping Training Certified in 1997

Certified as a Crash Data Retrieval Technician, Vetronix Corporation Airbag Sensor and Crash recording data technology, 2007

Certified in FARO 3-D SCANNING, Redding Forensics, Oakland, New Jersey, July, 2012

University of North Florida, Institute of Police Technology Management

- Pedestrian and Bicycle Accident Reconstruction, 2016

University of North Florida, Institute of Police Technology Management

- Human Factors in Traffic Accident Reconstruction, 2018

### **SOAR Conference**

- Collision Analysis and Traffic Accident Reconstruction Miami, Florida – August 28-September 4, 1987

### **NATARI Conferences**

- 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 Conferences**

- 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 Conferences**

- 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 Conferences**

- 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 – Seminars**

- Vehicle Dynamics during Braking/Cornering, Pedestrian Vehicle Collisions, Occupant Motion in Rear End Collisions, Yorktown Heights, New York  
March 2, 2000
- Human Factors Related to Accident Reconstruction, Yorktown Heights, New York  
September 7, 2011
- Heavy Vehicle EDR's, Valhalla, New York - November 19, 2013
- Roadway Design and Maintenance, Intersection Control, Punitive Damages, MUTCD  
Valhalla, New York - February 10, 2014

### **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 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 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 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 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.

**NAPARS – NATARI – MATAI – NJAAR – NYSTARS – PSFM Conference** (2011)

- Focus on Vehicle and Pedestrian Bicycle Collisions with instrumented pedestrian dummies and event data recorder extraction from passenger vehicles by the Tulsa University Crash Reconstruction Consortium. One day course in Forensic Photography in Accident Reconstruction.  
Harrisburg, Pennsylvania – October 4-7, 2011

**NAPARS – NATARI – MATAI – NJAAR – NYSTARS Conference** (2012)

- Investigating Motorcycle Collisions including motorcycle nomenclature, at scene motorcycle evidence, motorcycle crash testing, human factors related to motorcycle accident reconstruction and rotational mechanics.  
Fishkill, New York – October 17-19, 2012

**NAPARS – NATARI – MATAI – NJAAR – NYSTARS Conference** (2014)

- Collision Investigation and Reconstruction, Crash Damage Energy, Use of UAVs. Mobile Forensics, Stiffness Coefficients, Researching and Using Stiffness Values, Crush Energy/COLM, Memory Formation, Digital Forensics of Vehicle Infotainment Systems and Heavy Trucks.  
Portland, Maine – September 10-12, 2014

**NYSTARS – NJAAR – NAPARS – NATARI – MATAI Conference** (2018)

- Investigating Pedestrian Collisions, History of Pedestrian Crash Testing and Reconstruction, Pedestrian Crash Testing, Medical Perspective/Pedestrian Injury Patterns, Perception Response Times, Nighttime Perception, Pedestrian Distraction, Pedestrian Formulas Preferred and Problematic, Eye Tracking Testing Review, Crash Testing Results Review.  
Lake George, New York – October 17-19, 2018

## **MISCELLANEOUS**

- Engineering Building Inspector, New Residential Construction Compliance Officer for the Township of Wayne, New Jersey, responsible for inspecting new residential home construction for compliance with the State of New Jersey HOW program, 1986 to 1989.
- Public Works Construction Inspector for the Township of Wayne, New Jersey, responsible for inspecting municipal improvement projects, 1983 to 1985.
- Owner/Partner in Daniel Lee Homes a private residential home building company, building in Passaic, Bergen and Essex Counties, constructing custom residential homes from 1987 – present.

## **GUEST SPEAKER**

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

Gallagher Bassett Services, Accident Reconstructions-Evidence Collection.

Lester, Schwab, Katz and Dwyer, LLP, Evidence Collection in the Early Stages of a Catastrophic Event.

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

Expert commentator for Court TV program regarding accident reconstruction issues/trial.

Expert commentator for Inside Edition TV program regarding accident reconstruction issues.

