

SKE Forensic Consultants LLC



Oakland, NJ 07436
O. 201.644.0700
F. 201.644.0701
www.skefc.com

JOHN C. SCOTT

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.

PROFESSIONAL EXPERIENCE:

Civilworks, Inc., Traffic Engineers and Civil Engineers, Dover, New Hampshire,
Engineering Tech, Principle Draftsperson & Survey Crew Member (1988-1991)

- Responsibilities included performing engineering calculations for site layout and design, field survey crew team member for subdivisions, roadways, parking and property boundaries and principle draftsperson for all survey and site plans.

Northeast Collision Analysis, Inc., Rochester, New Hampshire,
Senior Consultant full-time in Accident Reconstruction (1990-1996)

- Developed a company protocol on the collection of accident scene evidence using survey equipment with digital documentation. Investigated accident scenes on an immediate response while providing assistance to state and local authorities. Analyzed hundreds of motor vehicle, pedestrian, bicycle, and motorcycle and trucking accidents from the investigation stage to full accident reconstruction analysis.

John Desch Associates, Inc., Accident Reconstruction and Traffic Engineering

Senior Accident Reconstructionist full-time (1996-2010)

- Served as a senior member of an engineering firm specializing in accident reconstruction and traffic engineering. Created vehicle and site inspection protocols with use of sophisticated software programs. Instituted the use of Bosch Crash Data Retrieval from passenger vehicle and commercial vehicle engine control modules. Analyzed hundreds of accident reconstruction projects including force/energy calculations, airborne trajectories, and was a senior member of the emergency response team. Provided clients with expert reports and testimony in accident reconstruction matters.

SKE Forensic Consultants LLC, Accident Reconstruction Experts

Partner/Owner (2010 - Present)

- Co-owner and co-creator of a private consulting firm specializing in accident reconstruction. Special expertise includes crash data retrieval from passenger vehicles and commercial vehicle ECMs, proficiency in AutoCAD, HVE-2D collision simulation modeling programs, crash test data evaluations, and site and vehicle inspections/testing.

SPECIALIZED BICYCLE ACCIDENT RECONSTRUCTION:

Investigation and reconstruction of hundreds of bicycle accidents and conducted bicycle specific testing and data gathering.

USACycling Registered Member to Race Bicycles competitively since 1993

League of American Cyclist (Member)

- League of American Bicyclists Smart Cycling Skills 101 – 2005

University of North Florida, Institute of Police Technology & Management

- Pedestrian and Bicycle Accident Investigation, 2010
40-hour course of the testing and calculating relating to pedestrian and bicycle accident reconstructions.

Presenter on Bicycle Accident Reconstruction and Investigation Seminar

- NYSTAR one-day event on instruction and testing (2007)

Ridgewood Police Department (2006)

- Seminar - Presenter for Community Bicycle Safety Program

Boy Scouts of American Bicycle Safety Merit Badge Presenter (2005)

Get Outside Bicycle – Ridgewood, New Jersey (2002)

- Seminar on Safe Riding
- Seminar on Mountain Bike Safety and Skills

Barnett Bicycle Institute Bicycle Repair - Seminar

CERTIFICATIONS/QUALIFICATIONS:

Court qualified as an Accident Reconstruction Expert Witness in the following states:

- New York Courts
- New Jersey Courts
- Pennsylvania Courts
- Federal Courts

Fully Accredited Traffic Accident Reconstructionist from the Accreditation Commission for Traffic Accident Reconstructionists – ACTAR #792 (1997)

State of New Jersey Private Detective License No. 8765

Certified as a Crash Data Retrieval Technician – Vetronix Corp (2002)
Airbag sensor and crash recording data technology

Re-Certification Crash Data Retrieval Technician and Analyst – Vetronix Corp (2007)
Airbag sensor and crash recording data technology

Re-Certification Crash Data Retrieval Technician and Analyst – Bosch/Vetronix (2009)
Airbag and restraint sensor crash data technology

Crash Data Retrieval Analysis and Applications Update Course (Bosch Certified) 2012

Crash Data Retrieval Analysis and Applications Update Course (Bosch Certified) 2017

FORMAL EDUCATION:

- Spaulding High School, Rochester, NH
High School Diploma, 1986
- Columbia University, New York, New York
Bachelor of Arts Degree - Architecture, 1999
Physics I, Physics II, Calculus Courses
- University of New Hampshire, Durham, NH
Various Civil Engineering Courses 1988-1989

PROFESSIONAL and FOUNDATIONAL EDUCATION

Arkansas State University

- Commercial Vehicle Accident Investigation and Reconstruction, 1994
40-hour course specifically trained on heavy vehicle dynamics, braking, inspections, investigations and reconstruction formulas.

Texas A&M, Engineering Extension Service

- Motorcycle Accident Reconstruction, 1994
40- hour course on motorcycle accident, dynamics, braking and testing.

Northwestern University, Traffic Institute, Evanston, Illinois

- Microcomputer-Assisted Traffic Accident Reconstruction – EDCRASH, 2000
40-hour course training for understanding the use of EDCRASH software its application in computer simulation analysis.

Engineering Dynamics Corporation, Los Angeles, California

- Certificate in Simulation of Motor Vehicle Accident Reconstruction – EDSMAC, EDSMAC4, EDVTS & EDSVS, 2003
40-hour physics based program and high level course in prediction of collision events including vehicles, barriers, vehicles and commercial vehicles.

University of North Florida, Institute of Police Technology & Management

- At-Scene Traffic Accident Investigation, 1990
80-hour Course on the understanding of the documentation of evidence gathering and determination of factors surrounding a collision event.
- Accident Reconstruction Photography, 1990
40-hour course in using photography to document accident reconstruction investigations and evidence.

- Advanced Traffic Accident Investigation, 1991
80-hour higher level investigation course of traffic accidents including the use of formulas of the laws of motion and physics and their application to accidents.
- Traffic Accident Reconstruction, 1992
80-hour advanced level reconstruction course on the application and understanding of traffic accidents of passenger vehicles, motorcycle, pedestrians, bicycle and commercial vehicles.

Society of Automotive Engineers (SAE)

- Vehicle and Barrier Crash Test Seminar
San Bernardino, California – July 20-23, 1993
40-hour Certificate Course in Vehicle and Barrier Crash Testing.
- Occupant and Vehicle Kinematics in Rollovers, August 12-16, 2005
40-hour certificate course instructed on motion and responses to occupants, sensing systems, airbag modules during rollover events.
- Highway Vehicle Event Data Recorder Symposium
National Transportation Safety Board Academy (NSTB)
20-hours George Washington University, Ashburn, VA – June 3-4, 2004
20-hours George Washington University, Ashburn, VA – September 5-6, 2007
- Heavy Vehicle Event Data Recorder Course – May 2016
35-hour certificate course on the identification, extraction and analysis of commercial vehicle. Heavy vehicle engine control module data acquisition.

PROFESSIONAL SOCIETIES/MEMBERSHIPS:

SAE	Society of Automotive Engineers (Member Status)
NYSTARS	New York Statewide Traffic Accident Reconstruction Society
CDR Group	User Group for only Qualified Crash Data Retrieval Analyst
INCR Group	User Group for International Network of Crash Reconstructionist
NJAAR	New Jersey Association of Accident Reconstructionists

ADDITIONAL SPECIALIZED ACCIDENT RECONSTRUCTION/RELATED TRAINING

NATARI - NAPARS - MATAI – NJAAR – NYSTARS Combined Conferences

- 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 Accident Reconstruction
— Allentown, Pennsylvania - October 6-8, 1999
- Investigating Bus and Train Collisions
— Albany, New York – October 3-5, 2001
- Event Data Recorders/Crash 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
- Rollover Crash Testing and Analysis/Electronic Crash Data Recorder Update/DNA
in Accident Reconstruction
— Ocean City, Maryland – October 6-9, 2004

NYSTARS Seminars

- Biomechanics and Injury Causation, presented by Biodynamic Research Corp. - physics of bodies and objects in motion during movement in collision event.
— Yorktown Heights, New York, April 12, 2002
- Vehicle Dynamics during Braking/Cornering, Pedestrian Vehicle Collisions and Occupant and Object Motions in Rear-End Collisions.
— Yorktown Heights, New York, March 2, 2000
- Human Factors Related to Accident Reconstruction – human response times/witness observations and accuracy.
— Yorktown Heights, New York, September 8, 2011
- Vehicle Dynamics during Braking/Cornering, Pedestrian Vehicle Collisions – trajectories of bodies/object/debris patterns, Occupant Motion in Rear End Collisions.
— Yorktown Heights, NY, March 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 and 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 F^{3T2} Combined Conference (12 Hosting Organizations)

(CATAIR – 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.

2007 Combined Conference/Investigating Eccentric Collisions

(NYSTARS – NJAAR – NAPARS – NATARI – MATAI)

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

2008 Combined Conference (5 Hosting Organizations)

(NJAAR – NYSTARS – NAPARS – NATARI – MATAI)

- 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.

2009 Combined Conference (6 Hosting Organizations)

(NAPARS – NATARI – MATAI – NJAAR - NYSTARS - PSFM)

- Heavy vehicle crash reconstruction, commercial motor vehicle electronic data sources and data extraction techniques, analysis of Detroit Diesel (DDDL) reports and MCSAP Internet resources, Conservation 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.

**2011 Combined Conference and Crash Testing
(NAPARS – MATARI-MATAI-NJAARS-NYSTARS)**

- Focus on vehicle and pedestrian bicycle collisions with instrumented pedestrian dummies and event data recorder extraction. Specific focus on the trajectory of bodies and object in motion during a collision events and comparison to real-world scenarios. Crash tests perform by University of Tulsa Crash Reconstruction Consortium. Including one-day course in Forensic Photographs.
— Harrisburg, Pennsylvania – October 4-7, 2011.

**2012 Combined Conference and Crash Testing
(NAPARS-NATARI-MATAI-NJAARS-NYSTARS)**

- Three-day conference on the subject of motorcycle and rider collisions including crash testing with passenger vehicles and analysis of collision forces, motions, pre/post impact trajectories. Data analysis of crash testing and comparative results were demonstrated.
— Fishkill, New York – October 17-19, 2012.

**2013 Combined Conference and Crash Testing
(NAPARS-NATARI-MATAI-NJAARS-NYSTARS)**

- Professional seminar of instruction on advantage topics in collision investigation and accident reconstruction. Advanced concepts in linear momentum and biomechanics discussed.
— Atlantic City, New Jersey – October 9-11, 2013.

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

NATARI Conference

- Driver Response to Traffic Signals, Excel Applications in Traffic Accident Reconstruction and Occupant Injury Patterns.
— Conshohocken, Pennsylvania, March 22, 2004.

DTI Technologies

- Certificate in 3D Studio Computer Animation Training using 3-D Studio Max
— Hudson, New Hampshire – 1995

Columbia University

- College Level Physics I and II and Calculus courses.

RYERSON UNIVERSITY, TORONTO, CANADA

- Certificate in Forensic Animations of Motor Vehicle Accidents
— Toronto, Canada - 1993

MAINE STATE POLICE

- Instructor Accident scene diagramming (1993)

VERMONT STATE POLICE

- Instructor in Survey Equipment at Accident Scenes (1994)

MAINE SURVEYERS, INC.

- Certificate in Nikon Total Station Instrument Training – 1990

SOKKIA CORPORATION

- Certificate in Forensic Mapping & Computer Software Training - 1997

VETRONIX/BOSCH CORPORATION/COLLISION SAFETY INSTITUTE

- Crash Data Retrieval System Operator Certification Course
 - Baltimore, Maryland, April 13 – 14, 2002
- Crash Data Retrieval Technician Course
 - Mahwah, New Jersey, March 19, 2007
- Crash Data Retrieval Data Analyst Course
 - Mahwah, New Jersey, March 20-23, 2007
- Crash Data Retrieval Technician and Analyst Course
 - Egg Harbor Township, NJ, May 18-22, 2009
- Crash Data Retrieval Update Course, 2012
- Crash Data Retrieval Update Course, 2017

FARO Certification from Redding Forensics in use of the FARO Focus 3D laser scanner

Instrument and FARO Scene 5.0 software (July 23 – 25, 2012)

Certificate of Training Detroit Diesel Diagnostic and DDEC Reports – Tactical Training

Strategies – January 25, 2013

PUBLICATIONS and PRESENTATIONS

Publications

"A Comparison of Equations for Estimating Speed Based on Maximum Static Deformation for Frontal Narrow-Object Impacts" John C. Scott, Andrew Rich and Joseph Cofone. Accident Reconstruction Journal.

Presentations

Court TV, New York City

- Invited as Accident Reconstruction Expert Appearance (2005)

Brennan-Vanderbilt Inns of Court – Presentation

- Event Data Recorders in Passenger Vehicles and Heavy Truck ECM's (2007)

New Jersey Association of Accident Reconstruction Specialists (NJAARS)

- Simulations/Physics in Accident Reconstruction Seminar (2004)
- Presentation on Latest Accident Reconstruction Technologies (2006)

Vermont State Police

- Instructor for Accident Investigation Unit
Use of Survey Equipment at Accident Scenes (1994)

Trucking Litigation and D.O.T. Regulations Seminar

- Accident Reconstruction Services, Commercial Vehicle ECMS (2006)

Guest Presenter - 2008 Combined Conference (NJAAR, NATARI, NYSTARS, MAITI, NAPARS)

- Commercial Vehicle Event Data Recorders and ECM's

Crum & Foster Insurance, 2010

- Event Data Recorders and Evidence Documentation in Passenger Vehicles and Heavy Truck ECMs

Law Office of Andrea Sawyers – Melville, NY – (2016) Presentation of vehicle damage analysis, collision severity, seatbelt and airbag module data acquisition.