

JOHN A. DESCH, P.E.

CURRICULUM VITAE

EDUCATION:

University of Dayton, Dayton, Ohio, B.S. in Civil Engineering, 1972
Northwestern University, Traffic Institute, Evanston, Illinois 1988
Certificate in Traffic Accident Reconstruction
University of North Florida, Institute of Police Technology Management,
Seminars in Accident Reconstruction

ACCREDITATION:

State of New Jersey Professional Engineer, P.E. #25885
State of New York Professional Engineer, P.E. #082213
State of Pennsylvania Professional Engineer, P.E. #071482
State of Ohio Professional Engineer, P.E. #70630
State of New Jersey Professional Planner, P.P. #2728
Construction Official, Building Subcode Official and Building Inspector
I.C.S. License #001384
Accreditation Commission for Traffic Accident Reconstructionists
Certificate of Full Accreditation #46

PROFESSIONAL SOCIETIES:

Society of Automotive Engineers
Society of Accident Reconstructionists
National Society of Professional Engineers
Institute of Transportation Engineers
National Association of Traffic Accident Reconstructionists & Investigators
New Jersey Association of Accident Reconstructionists

EXPERIENCE:

Self-employed Traffic Consultant and Accident Reconstructionist, 1988 to Present
Instructor in Accident Investigation Programs
Director of Municipal Services, Storch Engineers, 1983 - 1988
Borough Engineer, Lincoln Park, New Jersey, 1983 - 1988
Director of Public Works and Township Engineer, Clark, New Jersey, 1981 - 1983
Principal Engineer and Traffic Engineer, Wayne, New Jersey, 1976 - 1981
Captain, United States Army Reserve, Corps of Engineers

MISCELLANEOUS:

Expert witness before numerous public review boards as well as administrative law, criminal and civil courts with respect to knowledge and experience in the science of engineering as it relates to municipal and traffic engineering and accident reconstruction.

Served as expert commentator for live Court TV programs regarding accident reconstruction trials.

SPECIALIZED ACCIDENT RECONSTRUCTION TRAINING
John A. Desch, P.E.

1. Special Problems in Accident Reconstruction, University of North Florida
IPTM, Jacksonville, Florida March 27-30, 1983 IPTM, Jacksonville, Florida April 9-12, 1985
IPTM, Jacksonville, Florida April 25-29, 1988 IPTM, Jacksonville, Florida April 25-29, 1984
2. Microcomputer Workshop for the Police Manager, University of North Florida
IPTM, Jacksonville, Florida April 15-17, 1985
3. Inspection of Commercial Vehicles in Accidents, University of North Florida
IPTM, Jacksonville, Florida February 9-10, 1987
4. Investigation of Commercial Vehicle Accidents, University of North Florida
IPTM, Jacksonville, Florida February 11-13, 1987
5. Investigation of Motorcycle Accidents, University of North Florida
IPTM, Jacksonville, Florida April 1-3, 1987
6. Traffic Accident Reconstruction I, Northwestern University, Traffic Institute
Evanston, Illinois June 13-24, 1988
7. Traffic Accident Reconstruction II, Northwestern University, Traffic Institute
Evanston, Illinois June 24-July 1, 1988
8. The Investigation of Pedestrian Accidents and Human Factors, University of North Florida
IPTM, Jacksonville, Florida August 14-18, 1989
9. NATARI – NAPARS – MATAI – NJAAR - NYSTARS Combined Conference
Baltimore, MD October 21-22, 1989
Atlantic City, NJ October 11-12, 1990
Atlantic City, NJ October 24-26, 1991
Philadelphia, PA October 8-10, 1992
Ocean City, MD October 14-16, 1993
Atlantic City, NJ October 19-21, 1994
Lancaster, PA October 4-7, 1995
Atlantic City, NJ October 1-3, 1997
Waldorf, MD September 30-October 2, 1998
Allentown, PA October 6-8, 1999
College Station, TX September 24-29, 2000
Albany, NY October 3-5, 2001
Ocean City, MD September 11-13, 2002
Atlantic City, NJ October 1-3, 2003
Ocean City, MD October 6-8, 2004
Houston, TX September 17-21, 2006
Binghamton, NY October 24-26, 2007
Atlantic city, NJ October 15-17, 2008.
Ocean City, MD October 6-9, 2009
10. Society of Accident Reconstructionists, Annual Conference
Denver, CO 1985 Los Angeles, CA 1986

Miami, FL 1987

Charlottesville, VA 1995

11. TAARS-SOAR-WATAI Combined Conference
College Station, Texas A&M June 14-16, 1990
Orlando, Florida October 12-14, 1991
Charlottesville, VA August 24-26, 1995
12. NYSTARS – Seminar
Vehicle Dynamics during Braking/Cornering, Pedestrian Vehicle Collisions,
Occupant Motion in Rear End Collisions, Yorktown Heights, New York –
March 2, 2000.
13. 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.
14. 2006 F³T² 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, TX- September 17-21,
2006.
15. 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.
16. 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.
17. 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.
18. Microcomputer Application Programs in Traffic Accident Reconstruction
Northwestern University, Traffic Institute, March 13-22, 1991

19. Stapp Car Crash Conference, Society of Automotive Engineers
35th - San Diego, California, November 18-20, 1991
40th - Albuquerque, New Mexico, November 4-6, 1996
42nd - Tempe, Arizona, November 2-4, 1998
20. Injuries, Anatomy, Biomechanics and Federal Regulation, SAE - Costa Mesa, CA 1992
21. Tire Damage Analysis, Monmouth County Traffic Officers Association
Presented by Michelin Tire Corporation - 1994
22. Road Work Safety, October 1988
23. Work Zone Safety Management, NJDOT, April 20-22, 1993
24. Sokkia Electronic Total Station Forensic Mapping Training - 1997
25. Analysis of Low Speed Collisions, TEEX, December 1-5, 1997
26. 2010 Combined Conference (6 Hosting Organizations)
(MDATAI - NAPARS - NJAAR - NYSTARS - NATARI - PSFM)
"Trailer Underride Collision Reconstruction"
Side Underride Analysis, Commercial Vehicle Conspicuity System Requirements -
Federal MCSAP Regulations, Investigation and Documenting Conspicuity in Side
Underride Crashes, Principles of Headlights, Sudden Acceleration Incidents - A
Mechanical Perspective, CDR Update Information, Truck Rollover Investigation and
Reconstruction, Equivalent Barrier Speed - Kinetic Energy Equivalent Speed - Delta-
v and The First Law of Thermodynamics, Reconstructing a Nighttime Crash, Low
Light Forensic Photography - Documentation of Evidence at Night, Applications of
Aerial and Satellite Imagery in Traffic Accident Reconstruction, Mapping and
Diagramming.
- Ocean City, Maryland - October 6-8, 2010.