

GARY K. ANDERSON, P.E.

CURRICULUM VITAE

EDUCATION:

Stevens Institute of Technology, Hoboken New Jersey
Bachelor of Engineering in Civil Engineering - 1999

CERTIFICATIONS:

State of New Jersey Professional Engineer, P.E. #45110
Fully Accredited Traffic Accident Reconstructionist,
Accreditation Commission for Traffic Accident Reconstruction, A.C.T.A.R. #2227
State of New Jersey Building Inspector R.C.S. #009624

PROFESSIONAL SOCIETIES:

ASCE American Society of Civil Engineers
ITE Institute of Transportation Engineers
NSPE National Society of Professional Engineers
NJAAR New Jersey Association of Accident Reconstructionists
ICC International Code Council

EXPERIENCE:

Civil Engineer, URS Corporation, 1999-2003
Civil Engineer and Accident Reconstructionist, John Desch Associates, Inc.,
an Accident Reconstruction and Traffic Engineering Firm, 2003-Present

TRAINING:

McTrans
Highway Capacity Software Training, 2003

New Jersey Department of Transportation
Context Sensitive Design Training, 2001

American Society of Civil Engineers
Roadside Design Training, 2000

Trafficware
Synchro and SimTraffic Training, 2004

Building Inspector R.C.S. Course
County College of Morris, 2006

Construction Sub-Code Official Course

Bergen Community College, 2007

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, 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.

New Jersey Barrier-Free Subcode Seminar, New Jersey Department of Community Affairs, Bureau of Code Services - June 19, 2009.

Northwestern University Center for Public Safety
Accident Investigation I and II, 2009

Northwestern University Center for Public Safety
Traffic Accident Reconstruction I, 2009

New Jersey Advanced Barrier-Free Subcode Seminar, New Jersey Department of Community Affairs, Bureau of Code Services – April 22, 2010.

2010 Combined Conference (6 Hosting Organizations)

(MATAI – 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.