



STEVEN M. SCHORR, P.E.

EDUCATION:

Northwestern University, Evanston, Illinois, MS Civil Engineering, 1983
Villanova University, Villanova, PA, BS Civil Engineering, 1979

CONTINUING EDUCATION:

Event Data Recorder Use in Traffic Crash Reconstruction – Update, Abington, PA, October 2016
Event Data Recorder Use in Traffic Crash Reconstruction – Update, Abington, PA, June 2014
Hexagon (HxGN) International Conference, Las Vegas, NV, June 2013
Institute of Transportation Engineers Course on Red Light Camera Systems, October 2013
SPAR International 2013, Colorado Springs, CO, April 2013
GPS – New Technology in Accident Reconstruction, NASP, Abington, PA, September 2011
Bosch CDR Technician and Data Analyst Certification Training Series: Certified Crash Data Retrieval Specialist – CDR Technician and Data Analyst: May 2009
SAE International Highway Vehicle Event Data Recorder Symposium: 2007 Update
Vetronix and CSI Course on Crash Data Retrieval System Technician Certification, March 2007
Annual American Academy of Forensic Sciences (AAFS) Engineering Seminars
Annual National Academy of Forensic Engineers (NAFE) Engineering Seminars (CPE Credits)
Annual Society of Automotive Engineers (SAE) Engineering Seminars
Annual Institute of Transportation Engineers (ITE) Engineering Seminars
Annual Transportation Research Board (TRB) Engineering Seminars
SAE Course on Occupant Vehicle Kinematics in Rollovers, August 2006 (CPE Credits)
Leica High Definition Laser Scan Surveying Training Including Deployment/Use of Cyrax Scanner and Cyclone Point Cloud 3-D Modeling Software, June 2004
PC Crash and PC Rect Training, Vancouver, BC 1997
Institute of Vehicular Safety, "Day/Night Visibility for Traffic Accident Investigators," Columbus, Ohio, 1995
SAE TOPTEC Course on Low Speed Rear Impacts, August 1994 (CPE Credits)
EDC Reconstruction, Engineering Dynamics Corporation, January, 1992
SAE Course on Accident Reconstruction, Toronto, Canada, 1991 (CPE Credits)
Northwestern University, "Legal Liability and the Highway Professional," February, 1982
Northwestern University, "Highway Safety and Traffic Study Program," FHWA sponsored –Teaching Asst., 1980

LICENSES AND CERTIFICATES:

Licensed Professional Engineer in Connecticut, Delaware, District of Columbia, Florida, Maryland, New Jersey, New York, Ohio, Pennsylvania, Texas, Virginia

PROFESSIONAL MEMBERSHIPS:

International Association of Forensic & Security Metrology
International Board of Forensic Engineering Sciences (IBFES), Diplomate**
American Academy of Forensic Sciences (AAFS), Fellow
National Academy of Forensic Engineers (NAFE)*, Diplomate Certified
Institute of Transportation Engineers (ITE)
National Society of Professional Engineers (NSPE)
Pennsylvania Society of Professional Engineers (PSPE)
Society of Automotive Engineers (SAE)

SPECIAL HONORS AND AWARDS:

Diplomate, IBFES**
Certified Diplomate Forensic Engineer, NAFE*
Hawley S. Simpson Award - Best paper submitted to Mid-Atlantic ITE, 1979

EXPERIENCE:

- June 1994 - Present
President of DJS ASSOCIATES, INC. Consulting activities continue as noted below (1982 to 1994)+. In addition to providing consulting services, responsible for the management and operation of DJS ASSOCIATES, INC. and its sub-divisions.
- January 1982 - June 1994
Vice President of FORENSIC ENGINEERING SERVICES, a division of DJS ASSOCIATES, INC. Consulting engineer in the areas of Highway Safety, Traffic and Transportation Engineering and Accident Reconstruction. Most cases terminate with written reports and/or court appearances for the presentation of expert testimony. Services have been rendered on behalf of both defendant and plaintiff in civil and criminal cases. Services have been rendered throughout the United States and Puerto Rico in local, state and federal courts.
- September 1984 - September 1986
Drexel University, Philadelphia, Pennsylvania - Assistant Adjunct Professor. Developed and taught courses for the graduate and undergraduate civil engineering program - Highway Safety and Accident Reconstruction, Transportation and Traffic Engineering.
- October 1980 - January 1982
JHK and Associates, Transportation Consultants, Alexandria, Virginia - Transportation Engineer. Major areas of activity included travel demand forecasting, analysis of transportation system management (TSM) alternatives and traffic engineering.
- June 1980 -

October 1980

Traffic Institute, Northwestern University, Evanston, Illinois - Teaching Assistant.
FHWA sponsored course "A Highway Safety and Traffic Study Program."

September 1979 -
June 1980

Transportation Center, Northwestern University, Evanston, Illinois - Research Assistant. Responsible for the coordination of data collection, processing and analysis on a variety of transportation related projects.

* Board Certified Diplomate by NAFE in accord with the guidelines of the Counsel of Engineering & Scientific Specialty Boards (CESB)

**Board Certified by IIFES (The International Board of Forensic Engineering Sciences, Inc.)

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PRESENTATIONS (2002 to Present. Full List Available Upon Request)

- "The Use of New Technology in the Preservation of Evidence: A Valuable Tool in Claims Resolution", CLM Midwest Conference, Chicago, IL, June 2018
- "Trying a Case in State Court: Use of the Expert", Pennsylvania Bar Institute, Philadelphia, PA, June 2018
- "EDR, Telematics and Infotainment: What is Technology Telling You?", Prominent Law Firm King of Prussia, PA, May 2018
- "Demonstrative Evidence", "New Technology in Vehicular Collisions", "Investigating Tractor-Trailer Collisions", Prominent Law Firm, Philadelphia, PA, May 2018
- "Using New Technology in the Engineering Analysis of Vehicle Collisions (and reconstructing other events)", National Association of Criminal Defense Lawyers, Las Vegas, NV, May 2018
- "The Latest in New Technology", 2018 Personal Injury Potpourri Seminar, Philadelphia, PA, April 2018
- "EDR, Telematics and Infotainment: What Technology is Telling You", PA Insurance Fraud Conference, Pocono, PA, April 2018
- "An Overview of Forensic Engineering in 2018: New Technology and Ethical Considerations", NJ Department of Transportation, Ewing Township, NJ, March 2018
- "Reconstructing Vehicle Collision (and other events) Using New World Technology", NJ Prominent Law Firm, Lawrenceville, NJ, March 2018
- "An Overview of Forensic Engineering in 2018: New Technology and Ethical Considerations", American Society of Highway Engineers, Cherry Hill, NJ, January 2018
- "Demonstrative Evidence Given the Current State of Technology", Prominent Pennsylvania Law Firm Harrisburg, PA, January 2018
- "The Use of New Technology in Collision Reconstruction", National Insurance Carrier, Philadelphia, PA, November 2017
- "Reconstructing Vehicle Collisions and Other Events Using New World Technology", National Association of Subrogation Professionals, Austin, TX, November 2017
- "The Use of New Technology in Collision Reconstruction", National Insurance Firm, St. Paul, MN, November 2017
- "Engineering Technology Update", PBI Auto Law Update, Pittsburgh, Mechanicsburg, Philadelphia, PA, October 2017
- "Auto and Bad Faith Update", PBI Super Stars of Litigation: A Day on Personal Injury, Philadelphia, PA August 2017
- "Collision Reconstruction and New Technology", Vanliner Insurance Company, Fenton, MO, June 2017
- "Technology and the Impact on Collision Investigation and Reconstruction", CLM Midwest Seminar, Chicago, IL, June 2017
- "The Role of the Engineer in Collisions Involving Commercial Motor Vehicles", Amtrust, Southington, CT, May 2017
- "Event Data to Autonomous Vehicle Technology: Where we are...Where we're going", 2017 Personal Injury Potpourri Seminar, Philadelphia, PA, April 2017
- "The Science Behind Vehicle Collisions", 2017 Abington Township Police Department Certification Training Symposium, Abington, PA, April 2017
- "Collision Reconstruction and New Technology", National Interstate Boot Camp, Richfield, OH, April 2017

"Engineering Technology Update," Pennsylvania Bar Institute, Mechanicsburg & Pittsburgh, PA, October 2016
"Collision Reconstruction and Tractor-Trailers", Pennsylvania Law Firm, Valley Forge, PA, October 2016
"Body Shop Secrets: Technological Advances in Collision Reconstruction", National Association of Criminal Defense Attorneys, Las Vegas, NV, September 2016
"Scene and Vehicle Investigation and Documentation", Advanced Disposal, Carlisle, PA, September 2016
"Trying a Case in State Court: Cross-Examination of the Expert Witness", Pennsylvania Bar Institute, Philadelphia, PA, June 2016
"Drone Technology and Heavy Vehicle Accidents", The Defense Research Institute, Chicago, IL, April 2016
"Event Data To Autonomous Vehicle Technology: Where We Are, Where We Are Going", DRI 2016 All-Stars Seminar, Philadelphia, PA, April 2016
"Event Data To Autonomous Vehicle Technology: Where We Are, Where We Are Going", Claims Litigation Management Annual Seminar, Orlando, Florida, April 2016
"Event Data To Autonomous Vehicle Technology: Where We Are, Where We Are Going", NDIA/NLADA, Pittsburgh, PA, April 2016
"New Technology and Auto Claims Investigations", Sentry Insurance, Stevens Point, WI, February 2016
"The Implications of the Latest Wave of Automotive Technologies", National Association Subrogation Professionals, Tahoe, NV, November 2015
"Handling the Auto Injury Case- New Developments Involving the Black Box and More", NJ Institute for Continuing Legal Education, West Orange, NJ, November 2015
"Planes, Trains and Buses", Pennsylvania Bar Institute, Philadelphia and Pittsburgh, PA, October 2015
"Accident Reconstruction / New Technology" Nationwide Insurance, Plymouth Meeting, PA, October 2015
"Engineering Excellence / Technology – Intermediate and Advanced", Pennsylvania Bar Institute, Philadelphia, PA August 2015
"3D Scanning and Historical Preservation," Hexagon Conference, Reno, Nevada, June 2015
"You View Your World in 3D, Shouldn't You View Your Case in 3D," RIMS, New Orleans, LA, April 2015
"3D Scanning and Accident Reconstruction," Montgomery County Bar Association, Blue Bell, PA, April 2015
"Technology Update – 2015," DRI 17th Annual Personal Injury Potpourri, Philadelphia, PA, April 2015
"State-of-the-Art Technology in Crash Investigation," PA Motor Truck Association Safety Council, Camp Hill, PA, March 2015
"Motorcycle Accident Investigation," Progressive Insurance, Plymouth Meeting, PA, March 2015
"You View Your World in 3D...", American Academy of Forensic Sciences, Orlando, FL, February 2015
"State-of-the-Art Technology for Collision Reconstruction," Philadelphia Chapter of the CPCU, Philadelphia, PA, January 2015
"Engineering and Technology Update," 21st Annual Auto Law Update, PBI, Philadelphia, Pittsburgh, Mechanicsburg, October 2014
"State-of-the-Art Technology for Collision Reconstruction," Harleysville Insurance, Mt. Laurel, NJ, Sept. 2014
"Collision Reconstruction to Limit High Exposure," Wyoming Bar Association, Cheyenne, WY, Sept. 2014
"Trying a Case in State Court- Use of the Expert," Pennsylvania Bar Institute, Philadelphia, PA, June 2014
"Accident Reconstruction and New Technology," Flag Day Seminar, Philadelphia, PA, June 2014
"Utilizing State-of-the-Art Forensic Technology to Document Accident and Crime Scenes," Arkansas State Bar Association, Little Rock, AK, June 2014
"Utilizing State-of-the-Art Forensic Technology to Document Accident and Crime Scenes," Nation Association of Criminal Defense Lawyers, Las Vegas, NV, May 2014
"Putting the Puzzle Pieces Together – Use of the Expert and Technology, Kansas Bar Association, Manhattan, KS, May 2014
"State-of-the-Art Technology in Accident Reconstruction," PMA Insurance, Mt. Laurel, NJ, May 2014
"Electronic Control Monitor Technology," Police Department, Lower Allen Township, PA, May 2014
"Accident Reconstruction and New Technology," PA Prominent Law Firm, King of Prussia, PA, April 2014
"Winning the Motor Vehicle Accident Case," State Bar of Arizona, Phoenix, AZ, April 2014
"New Technology & Accident Reconstruction," PAMIC, Gettysburg, PA, April 2014
"New Technology and the Expert," 2014 MVA Update for DRI, Philadelphia, PA, April 2014
"New Technology & Accident Reconstruction," Philly I-Day Seminar, Philadelphia, PA, April 2014
"Trucking Accident Investigation: Data Collection & Expert Testimony," NJICLE, New Brunswick, NJ, Feb. 2014
"Accident & Automotive Investigations," MMG Insurance, Presque Isle, ME, January 2014

"New Technology & Accident Reconstruction", PBI 20th Annual Auto Law Update, Pittsburgh, PA and Mechanicsburg, PA, December 2013

"The Analysis and Presentation of Catastrophic Work Zone Collisions: Data Collection to Verdict – The Importance of New Technology in Every Step of the Process", NASP, San Diego, CA, November 2013

"New Technology & Accident Reconstruction", PBI 20th Annual Auto Law Update, Philadelphia PA, Oct. 2013

"State-of-the-Art Technology for Accident Reconstruction", 8th Annual ExecuSummit, Uncasville, CT., Sept. 2013

"Accident Reconstruction and New Technology", Delaware Valley International Association Special Investigations Unit, Willow Grove, PA, June 2013

"Everyday Real World Uses of Raw Point Clouds in Forensic Engineering: Economical and Efficient Use of Point Cloud Data: Real World Examples; Incorporating Historical Preservation with High-Definition Survey (HDS) Laser Scanning", HxGN International Conference, Las Vegas, NV, June 2013

"Everyday Real World Uses of Raw Point Clouds in Forensic Engineering: Economical and Efficient Use of Point Cloud Data: Real World Examples; Incorporating Historical Preservation with High-Definition Survey (HDS) Laser Scanning", SPAR International 2013, Colorado Springs, CO, April 2013

"Technology: An Important Weapon in Your Arsenal", DRI Personal Injury Potpourri Seminar, Philadelphia, PA, April 2013 (CLE)

"New Techniques in Auto Investigation: Event Data Recorder, High-Definition Scanning, and More", New Jersey Institute for Continuing Legal Education, New Brunswick, NJ, March 2013 (CLE)

"Engineering Technology Update", Pennsylvania Bar Association, Philadelphia, West Conshohocken, Pittsburgh & Mechanicsburg, PA, October/November/December 2012 (CLE)

"Subrogation & Accident Reconstruction" National Commercial Trucking Subrogation Strategies ExecuSummit, Uncasville, CT, November 2012

"Updates on Eye in the Sky, Black Box, iPhone and GPS Technology", New Jersey Association for Justice, East Rutherford, NJ, November 2012 (CLE)

"Trucks & Car Technology," New Jersey Association for Justice, Atlantic City, NJ, April 2012 (CLE)

"Computer Technology Inside & Outside the Vehicle," NJ Association for Justice, Atlantic City, NJ, April 2012

"Accident Investigation: Past, Present & Future," Pennsylvania Bar Institute, Philadelphia, PA, April 2012 (CLE)

"New Technology & Web Conferencing," Pennsylvania Association for Justice, Philadelphia, PA, March 2012

"Accident Reconstruction: Working with the Expert," Widener Law School, Harrisburg, PA, March 2012

"New Technology for Investigation & Data Collection," 7th Annual National Automobile Subrogation Strategies ExecuSummit, Uncasville, CT, February 2012

"Technology: A Must for the Heavy Motor Vehicle Case", Pennsylvania Bar Institute, Mechanicsburg, Scranton, West Conshohocken, Philadelphia, PA, December/November/October 2011 (CLE)

"New Technology in Accident Reconstruction", Illinois State Bar Association, Chicago, IL, November 2011

"New Vehicle Technology: GPS, High-Definition Scanning, EDR", National Association Subrogation Professionals, Orlando, FL, November 2011

"Accident Investigation & Reconstruction," Erie Insurance, Norristown, PA, September 2011

"Have You Kept Up with the State-of-the-Art Technology?" Prominent Law Firm, New Hope, PA, September 2011

"How Laser Scans are Utilized to Collect Data and Illustrate, to Scale, Collisions with an Accurate Three-Dimensional Environment," National Academy Forensic Engineers, Las Vegas, NV, July 2011

"State-of-the-Art-Technology for Accident Investigation," Erie Insurance, Norristown, PA, July 2011

"The Application of High-Definition Survey (HDS) Laser Scanning in Homicide, Vehicular, Construction and Product Liability Forensic Investigations," Hexagon International Conference, Orlando, FL, June 2011

"The ABC's of Rapid Response for Accident Investigation and Reconstruction", Prominent Law Firm's Annual Seminar, Bedford Springs, PA, May 2011

"Accident & Automotive Investigations: New Technology", Lightstream Comm., Bryn Mawr, PA, March 2011

"Forensic Accident and Scene Investigation", National Association of Criminal Defense Lawyers, Las Vegas, NV, March 2011 (CLE Credits)

"Use of Technology in Transportation Accidents," The Graham Company, Philadelphia, PA, November 2010

"Keeping Up With the Latest Technology in Accident and Automotive Investigations," Gloucester County Legal Education Association, Vineland, NJ, November 2010 (CLE Credits)

"Technological Advances in Accident Investigation and Reconstruction," Harleysville Insurance, Nashville, TN, and Worcester, MA, October 2010

"Technology in Auto Litigation," PA Bar Institute, Philadelphia & West Conshohocken, PA, October 2010 (CLE)

"New Technology in Auto Accident Reconstruction," Pennsylvania Defense Institute 42nd Annual Conference, Bedford, PA, September 2010

"Forensic Engineering Use of High-Definition Survey (HDS) Laser Scanning," National Academy Forensic Engineers, Orlando, FL, July 2010

"Black Box and Other Critical Technology to Investigate Vehicular Crashes," Aletheia Institute Video/Audio Broadcast Seminar, May 2010

"State-of-the-Art Technology for Accident Investigation and Reconstruction," New Jersey Association for Justice Annual Boardwalk Seminar, Atlantic City, NJ, April 2010

"The State-of-the-Art Approach to Accident Reconstruction," Defense Research Institute's Personal Injury Potpourri Seminar, Philadelphia, PA, April 2010

"Understanding the Principles of Accident Investigation and Reconstruction," The Sisterhood of Crime Writers, Wayne, PA, March 2010

"Latest Technology for Collision Investigation and Reconstruction," Law Firm, Philadelphia, PA, January 2010

"Collision Investigation & Reconstruction: Working with the Expert," State Farm, Frazier, PA, December 2009

"State-of-the-Art Approach to Accident Reconstruction," Arizona State Bar MVA Seminar, Scottsdale, AZ, November 2009

"High-Definition Survey (HDS), Crash Data Retrieval (Black Box) and New Technology for Collision/Automotive Investigation and Reconstruction", Progressive Insurance, Plymouth Meeting, PA, October 2009

"Collision Investigation and Reconstruction: Working with the Expert," Harleysville Insurance, St. Paul, MN, Nashville, TN and Marlton, NJ, August 2009, June 2009 and May 2009, respectively

"Technology and Expert Witness Testimony: How to Explain and Verify its Reliability and General Acceptance," 18th Annual Expert Witness Conference, Cape Cod, MA, June 2009

"Latest Technology in Collision Investigation and Reconstruction," DRI, Wilkes-Barre, PA, June 2009

"High-Definition Survey (HDS) Laser Scan Technology in Forensic Engineering," SPAR 2009 National Conference, Denver, CO, March 2009

"Latest Technology in Collision Reconstruction," Delaware County Bar Association, Media, PA, March 2009

"High-Definition Survey (HDS) Laser Scanning for Scene and Vehicle Investigations," Prominent Law Firm, Frazier, PA, December 2008

"Technological Advances in Collision Reconstruction," 4th Annual National Automobile Subrogation Strategies ExecuSummit, New York City, NY, October 2008

"Technological Advances in Collision Reconstruction," Public Defender's Office, Wilmington, DE, October 2008

"Technological Advances in Collision Reconstruction," Gallagher Bassett, Mechanicsburg, PA, September 2008

"Field Investigations and Technological Advances in Collision Reconstruction," Delaware Law Firm, June 2008

"Technological Advances in Collision Reconstruction," PMA Insurance, Lemoyne, PA, May 2008

"Analysis of Vehicular Collisions Utilizing the Latest Technology," North Dakota Association of Justice, Fargo, ND, May 2008 (CLE Credits)

"Analysis of Vehicular Collisions: Latest Technology," Arizona State Bar, Scottsdale, AZ, April 2008 (CLE)

"Anatomy of Tractor-Trailer Accidents," Virginia CLE, Fairfax, VA, April 2008, (CLE Credits)

"Technology in the Courtroom," Travelers Trial Advocacy School, Windsor, CT, March 2008

"Forensic Uses for High-Definition Surveying (HDS)," International Association of Forensic & Security Metrology, Houston, TX, March 2008

"New Technologies for Accident Investigation and Reconstruction," New Jersey Institute for Continuing Legal Education, Fairfield, NJ, February 2008 (CLE Credits)

"High-Definition-Surveying (HDS) - Laser Scanning Technology for Scene Investigation, Reconstruction and Animation," Pennsylvania County and State Detective's Association, York, PA, January 2008

"Latest Technology: Accident Investigation & Reconstruction," Encompass Insurance, Reading, PA, Dec. 2007

"New Technologies for Accident Investigation and Reconstruction," New Jersey Institute for Continuing Legal Education, Voorhees, NJ, December 2007 (CLE Credits)

"Accident Investigation and Reconstruction: Cutting-Edge Technology," AAA-MidAtlantic Insurance Company, Essington, PA, October 2007

"The Use of New Technology in Vehicular Reconstruction and Automotive Investigations," Association of Trial Lawyers-NJ, Atlantic City, NJ, April 2007

"Technological Advances in Accident Investigation and Reconstruction, and High-Definition Surveying (HDS), Laser Scanning Technology, Harleysville Insurance, Moorestown, NJ, March 2007

"Technological Advances in Accident Reconstruction, Automotive Investigations, High-Definition Surveying (HDS), Laser Scanning Technology, State Bar of Nevada, Las Vegas & Reno, February 2007 (CLE Credits)

"Technological Advances in Accident Reconstruction", ACE Insurance, Wilmington, DE, January 2007

"Technological Advances in Accident Reconstruction, Automotive Investigations and High-Definition Surveying, Laser Technology", Gloucester County Bar Association, Sewell, NJ, December 2006 (CLE Credits)

"Successful Subrogation Through Effective Use of New Technology", National Association of Subrogation Professionals, Orlando, FL, November 2006

"The State-of-the-Art and Beyond in Motor Vehicle Accident Cases: New Techniques and Technologies", State Bar of Arizona, Scottsdale, AZ, November 2006 (CLE Credits)

"The Growing Role of High-Definition-Surveying (Laser Scanning) in Forensic Engineering Investigations", Leica Geosystems Worldwide High Definition Scanning (HDS) Conference, San Ramon, CA, November 2006

"Technology at Your Fingertips: What's New in the World of Computer Animations and Demonstrative Evidence", PA Independent Adjusters Association, Grantsville, PA, October 2006

"New Technology in Collision Reconstruction: Collection of Black Box and Other New Data, Analysis and Presentation," NJ Institute for Continuing Legal Education, New Brunswick, NJ, August 2006 (CLE Credits)

"Accident Reconstruction and New Technology," Trial Division Northeast Region, Annapolis, MD, August 2006

"The ABC's or Working with the Expert: A Crash Course for Attorneys and Paralegals," NJ Institute for Continuing Legal Education, Edison, NJ, March 2006 (CLE Credits)

"Forensic Engineering Applications of Laser Scanning for Collision Reconstruction Cases," SPAR 2006 Annual Convention, Sugar Land, TX, March 2006

"Trucks, Trucks and Only Trucks: Investigating Tractor-Trailer Accidents," Gloucester County Bar Association, Sewell, NJ, March 2006 (CLE Credits)

"Direct and Cross-Examination of an Accident Reconstruction Expert," Inn of the Court, Media, PA, Feb. 2006

"Technology at Your Fingertips: What's New in the World of Computer Animations and Demonstrative Evidence," Bar Association of Montgomery County, Rockville, MD, November 2005 (CLE Credits)

"Trucks, Trucks and Only Trucks: Investigating Tractor-Trailer Accidents To Limit High Exposure", National Association Subrogation Professionals, Austin, TX, November 2005

"Insights Into Accident Reconstruction & New Technology," DRI, Chicago, IL, Nov. 2005

"Trucks, Trucks & Only Trucks," Zurich Insurance, Princeton, NJ, September 2005

"Latest Advances and New Technology In Accident Investigation and Reconstruction," Farmers Insurance, King of Prussia, PA, July 2005

"Latest Advances in Accident Reconstruction, Automotive Investigations, Demonstrative Evidence and Computer Animations," Nevada Bar Association, Las Vegas and Reno, NV, July 2005 (CLE Credits)

"New Technology in Accident Investigation and Reconstruction including Event Data Recorders and State-of-the-Art Laser Scanning Technology," Chester County Bar Association, W. Chester, PA, June 2005

"Litigating Roadway Defect Cases: New Technology in Accident Investigation and Reconstruction," Pennsylvania Bar Institute, Mechanicsburg, Pittsburgh and Philadelphia, PA, May 2005 (CLE Credits)

"Investigating Tractor Trailer Accidents," Assoc. Trial Lawyers-NJ, Atlantic City, NJ, April 2005 (CLE Credits)

"Work Zone, Roadway Safety & Accident Reconstruction," Zurich Insurance, Philadelphia, PA, March 2005

"The Use of Laser Scanning Technology for Investigation, Documentation, Analysis and Presentation," National Association of Forensic Engineers, San Diego, CA, January 2005

"The Use of Technology in Collision Reconstruction," PESI, Las Vegas, NV, October 2004

"Investigations at the Speed of Light- Laser Technology," International Association of Special Investigation Units, Pittsburgh, PA, September 2004

"Trucks, Trucks and Only Trucks: Investigating Tractor-Trailer Accidents," Association of Trial Lawyers, Boston, MA, July 2004 (CLE Credits)

"Investigating Tractor-Trailer Accidents," NJICLE, New Brunswick, NJ, June 2004 (CLE Credits)

"New Technology in Accident Investigation and Reconstruction: Laser Scanning Technology," New Jersey Trial Lawyers Association, Atlantic City, NJ, April 2004

"Technological Advances in Accident Investigation and Reconstruction," Defense Research Institute, St. Louis, MO, April 2004 (CLE Credits)

"Technological Advances in Collision Reconstruction: 2003 Update on Technology," State Bar of Arizona, Scottsdale, AZ, November 2003 (CLE Credits)

"Engineering Analysis of Low Speed Impacts," Center City Law Firm, Philadelphia, PA, November 2003

"Accident Reconstruction, Automotive Investigations, Demonstrative Evidence: Technology, Expertise, Resourcefulness," New Jersey Manufacturers, Trenton, NJ, October 2003

"The Expert's Role in Accident Reconstruction," Pennsylvania Bar Institute, Philadelphia, Pittsburgh and Mechanicsburg, PA, August 2003 (CLE Credits)

"Fraud: Who's Kidding Whom? Effective Use of an Expert to Determine the Legitimacy of a Claim," Lehigh County Bar Association, Allentown, PA, July 2003 (CLE Credits)

"Vehicular Reconstruction and Automotive Investigations: Issues and Answers," Montgomery County Bar Association, Norristown, PA, April 2003

"Right Analysis, Wrong Picture," American Academy Forensic Sciences, Chicago, IL, February 2003

"Anatomy of a Truck Accident," Transportation Law Seminar, Harrisburg, PA, January 2003

"Vehicular Reconstruction and Automotive Investigations: Issues and Answers," North Carolina Bar Association, Cary, NC, December 2002 (CLE Credits)

"Accident Reconstruction, Automotive Investigations, The Paralegal and the Expert," Law Offices of John Sherman, Somerset, NJ, November 2002

"Vehicular Reconstruction and Automotive Investigations: Top Ten Technological Advances," PA Millers Mutual Insurance Companies, Wilkes-Barre, PA, November 2002

"Lowering the Cost of Collision Analysis," IASIU, Albuquerque, NM, September 2002

"Accident Reconstruction," Pennsylvania Bar Institute, Pittsburgh, PA, August 2002 (CLE Credits)

"Accident Reconstruction," Pennsylvania Bar Institute, Philadelphia, PA, August 2002 (CLE Credits)

"Trial Tactics & Techniques: Demonstrative Evidence," PA Bar Institute, Phila., PA, Aug 2002 (CLE Credits)

"Accident Reconstruction," Pennsylvania Bar Institute, Mechanicsburg, PA, August 2002 (CLE Credits)

"Technology in the Courtroom: The Use of Animations and Video," Pennsylvania Bar Institute, Pittsburgh and Mechanicsburg, PA, June 2002 (CLE Credits)

"The Top Ten List for Technological Advances in Accident Reconstruction and Automotive Defect Issues: What the Present and Future Holds," Travelers Indemnity Groups, New Haven, CT, May 2002

"The Top Ten List for Technological Advances in Accident Reconstruction and Automotive Defect Issues: What the Present and Future Holds," Connecticut Defense Lawyers Group, New Haven, CT, May 2002

"Accident Investigation & Reconstruction," International Assoc. Auto Theft Investigators, Phila., PA, May 2002

"Technological Advances in Accident Investigation and Reconstruction," Arizona Bar Association, Phoenix, AZ, April 2002 (CLE Credits)

"Lowering the Cost of Collision Reconstruction, as well as, Technological Advances in Accident Investigation and Reconstruction," Harleysville Insurance, Edina, MN, April 2002

"Demonstrative Evidence: What's new in the World of Computers, Exhibits, Graphics and Models" and "Utilizing Tools of the Trade for Investigations, Documentation and Case Management," Lycoming County Paralegal Association, April 2002 (CLE Credits)

"Effective Use of Demonstrative Evidence," PA Bar Institute, Mechanicsburg, PA, March 2002 (CLE Credits)

"All About Auto Cases and Accident Investigations," PESI, Orlando, FL, March 2002 (CLE Credits)

"Accident Reconstruction and Automotive Investigations: New Millennium/New Technology," Special Investigations Units for PennDOT, Harrisburg, PA, March 2002

"All About Auto Cases and Accident Investigations," PESI, Las Vegas, NV, January 2002, (CLE Credits)

PAPERS:

"The Chronology of Another Potential New Technology in the Investigation and Reconstruction of Vehicle Collisions," For the Defense, December 2016

"Self-Driven: The Path Towards Autonomous Vehicles," Litigation Management, Fall 2016

Contributing Author to the 2016 Arizona MVA Manual on Collision Reconstruction, 2016

"Beyond Black Boxes," Trial Magazine, February 2011

"The New Technology: Have You Kept Up With the State-of-the-Art?" The Journal of Legal Nurse Consulting, Volume 20, Number 3, Fall 2009

"New Technology Fuels Crash Reconstruction," Trial Magazine, February 2008

"The ABC's of Vehicular Collision Reconstruction," Claims Magazine, December 2006

"A Crash Course in Forensic Scanning," Point of Beginning, September 2006

"Forensic Engineering and Laser Scan Technology," Journal of NAFE, Vol. XX11 No. 1 June 2005
"The ABC's of Vehicular Collision Reconstruction: 26 Reminders for Even the Most Experienced Attorney,"
InBrief- ATLA-NJ, May 2005
"Technological Advancement in Expert Services," PE Reporter, September/October 2003
"Using High-Tech to Analyze, Present Cases," New Jersey Lawyer, September 29, 2003
"Help from 'Big Brother' and Other Sources: Tips on Data Collection for Collision Analysis,"
In Brief- ATLA-NJ, June/July 2002
"How Complete Is Your Inspection," In Brief- ATLA-NJ, June/July 1999
"Understanding Accident Reconstruction- How a Little Knowledge Can Make You Dangerous," New Jersey
Lawyer, February 15, 1999
"Who's The Driver? An Accident Reconstruction Analysis," The Prosecutor, Vol. 30, Num. 1, Jan/Feb 1996
"How Complete Is Your Inspection? 20 Items You May Have Missed?", Claims Magazine, March 1994
"Elements for a More Efficient and Economic Inspection, Classic Investigative Mistakes, and How Complete is
Your Inspection? 20 Items You May Have Missed," Three Part Series, Examining Experts, 1994
"Selecting the Appropriate Expert, Working with the Expert, and Presenting Your Findings," Three Part Series,
Testifying Expert, 1993 - 1994
"Effective Use of an Expert In . . . Identifying and Fighting Fraudulent Automotive Claims," Six Series Article,
National Trial Lawyer and New Jersey Trial Lawyer, 1993 - 1994
"How Complete Is Your Inspection . . . 20 Items You May Have Missed!" the Barrister, Volume XXIV,
Number 2, Summer 1993
"Limitations of Computer Programs Used in Accident Analysis," National Trial Lawyer and New Jersey Trial
Lawyer, November 1992
"Handling Vehicular Accident Reconstruction Cases: Economical Tips for Data Collection and Analysis," National
Trial Lawyer and New Jersey Trial Lawyer, September 1992
"Who Was the Driver - An Accident Reconstruction Analysis," Experts at Law Magazine, May 1990- June 1990
"Using Demonstrative Evidence & Experts With-out Breaking the Bank," co-authored, NM State Bar Newsletter
"Analysis of Left Turn Capacity Estimation Models" - Master's Thesis, June 1983
"A Comparison of Accidents Between Large Cars and Small Cars" - Undergraduate Thesis, April 1979
"Causes and Factors Contributing to Traffic Accidents and Cause Analysis" - Submitted to ITE, January 1978