DJS associates
Forensic Consulting, Technology & Animations

JAMES R. SCHMIDT, JR., BSME
Collision Reconstruction Engineering Analyst

EDUCATION:

University of Maryland, College Park, MD
BS Mechanical Engineering, 1995

CONTINUING EDUCATION:

Dec. 2025: Video and EDR in PC-Crash, Webinar
June 2025: PC-Crash 15.1 New Features, Webinar
Jan. 2025: PC-Crash Best Practices, Webinar
Sept. 2024: PC-Crash Video Analysis using 15.0, Webinar
June 2024: PC-Crash 15.0 Launch, Webinar
June 2023: PC-Crash 14.1 New Features, Webinar
Nov. 2022: Event Data Recorder Use in Traffic Crash Reconstruction – Update, Abington, PA
July 2022: PC-Crash 14.0 Launch, Webinar
July 2020: PC-Crash 12.1 New Features, Webinar
Feb. 2019: Event Data Recorder Use In Traffic Crash Reconstruction – Update, Abington, PA
Oct. 2016: Event Data Recorder Use in Traffic Crash Reconstruction – Update, Abington PA
June 2014: Event Data Recorder Use in Traffic Crash Reconstruction – Update, Abington, PA
Feb. 2013: PC-Crash (v9.1): Essentials Latest Features, Webinar
Sept. 2011: GPS New Technology in Accident Reconstruction, NASP, Webinar
April 2011: SAE World Congress and Technical Sessions, Detroit, MI
April 2010: SAE World Congress and Technical Sessions, Detroit, MI
April 2009: SAE World Congress and Technical Sessions, Detroit, MI
March 2009: Bosch CDR Technician and Data Analyst Certification Training Series, Dover, DE
April 2008: SAE World Congress and Technical Sessions, Detroit, MI
March 2007: CDR Technician Course, Mahwah, NJ
April 2006: SAE World Congress and Technical Sessions, Detroit, MI
April 2005: SAE Professional Development Seminar - Tire and Wheel Safety Issues, Detroit, MI
April 2005: SAE World Congress and Technical Sessions, Detroit, MI
March 2005: Advanced PC-Crash (v6.2) Workshop, Las Vegas, NV
Dec. 2004: Introduction to PC-Crash (v6.2) and PC-Rect Workshop, Las Vegas, NV
June 2004: Cyrax Laser Scanning and Cyclone Software Training, Abington, PA
March 2004: SAE World Congress and Technical Sessions, Detroit, MI
March 2003: SAE World Congress and Technical Sessions, Detroit, MI
March 2002: SAE World Congress and Technical Sessions, Detroit, MI
March 2000: SAE World Congress and Technical Sessions, Detroit, MI
March 2000: VC2000-PC Advanced Training, Harrisburg, PA
March 1999: Acceleration and VC2000 Familiarization, Freehold, NJ
March 1998: Introduction to PC-Crash (v5.0) and PC-Rect Workshop, Abington, PA

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LICENSES AND CERTIFICATES:

Bosch Certified Crash Data Retrieval Specialist – CDR Technician and Data Analyst
Crash Data Retrieval System Technician Certification by Vetronix and CSI
PC-Crash Training Certificates
Vericom Accelerometer Training Certificates
Engineer-In-Training (EIT) Certificate

COMPUTER ANALYSIS:

AutoCAD, ReCap, Mathcad, Cyclone, PC-Crash, PC-Rect, Vericom Accelerometers, EDVAP & HVE-2D

SPECIAL HONORS AND AWARDS:

Tau Beta Pi: The Engineering Honor Society

EXPERIENCE:

February 1998 - Present	Accident Reconstruction Engineering - DJS Associates, Inc., Abington, PA Engineering analyses include: full reconstructions, vehicle crush analyses and low speed impact analyses. Analysis of surveillance and other types of videos. Computer-aided analysis and simulation of collisions and vehicle turning capabilities (PC-Crash). Computer-aided analysis of photographs (PC-Rect). Investigation and documentation of accident scenes and vehicles, including use of electronic site surveying equipment, digital photography and videography, as well as measurement of vehicle acceleration/deceleration capabilities (Vericom Accelerometers). Services are rendered on behalf of both defendant and plaintiff in civil and criminal matters. Services are rendered throughout the United States
January 1996 - February 1998	Mechanical Engineering/Accident Reconstruction Engineering with FARE, INC., College Park, MD. Consulting engineering in the areas of accident reconstruction, patent infringement and product liability. Engineering analyses of collisions, including computer analysis and simulation. Investigation and documentation of accident scenes and vehicles including use of high-speed photography and videography. Testing of braking ability of accident vehicles under similar conditions.

PRESENTATIONS:

"Auto Investigation Update: Accident Reconstruction, Black Box Technology, Tire Failures and PC-Crash Animation," NJICLE, New Brunswick, NJ, June 2001 (CLE Credits)
"The Art of Accident Reconstruction: How is it Really Done?" The Garden State Paralegal Annual Convention, Eatontown, NJ, March 2001
"Accident Investigation & Reconstruction," Liberty Mutual Insurance Company, Bala Cynwyd, PA, Nov. 1999
"Accident Reconstruction & Low Speed Impact Case," Center City Law Firm, Philadelphia, PA, June 1999
"Cost-Effective Demonstrative Evidence Techniques: Focus on Computer Animations," York County Paralegal Association, York, PA, May 1999
"Vehicular Collision Investigation and Reconstruction: What You Don't Know Can Hurt You!" NJ Institute for Continuing Legal Education, Mt. Laurel, NJ, February 1999 (CLE Credits)
"Vehicular Collision Investigation and Reconstruction: What You Don't Know Can Hurt You!" NJ Institute for Continuing Legal Education, Fairfield, NJ, December 1998 (CLE Credits)
"Technological Advances in Accident Reconstruction," State Farm, Bethlehem, PA, July 1998
"Technological Advances in Accident Reconstruction," Center City Law Firm, Philadelphia, PA, June 1998
"Technological Advances in Accident Reconstruction," Lancaster Bar Association, Lancaster, PA, May 1998
"Technological Advances in Accident Reconstruction," Lackawanna Bar Association, Scranton, PA, April 1998

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PAPERS:

"Using High-Tech to Analyze, Present Cases," New Jersey Lawyer, September 29, 2003
“The Black Box and its Role in Accident Investigation and Reconstruction: An Introduction,” In-Brief, ATLA-NJ, September 1999
“The Open Core Flywheel,” NAECON ’97 Conference, 1997
“NASA- Phase I Final Report, Open Core Rotator,” Technical Abstract, 1996

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