

GREG A. SULLENBERGER

ACCREDITED ACCIDENT RECONSTRUCTIONIST #677

CURRICULUM VITAE

SPECIALIZED EXPERIENCE

- Airbag module (black box) download certified
- Commercial vehicle engine computer download certified
- North American Standard Level 1 certified truck inspector
- Seat belt usage analyses
- Driver identity analysis (who was driving?)
- Dynamic analysis of tractor/trailer accidents
- Accident reconstruction cases involving occupant positioning, speed determination, time/distance studies, point of impact placement and computer-aided reconstruction, lamp analysis
- Accident investigations involving witness interviews, accident scene investigations, and vehicle examinations
- Vehicular accident causes relating to mechanical malfunctions
- Pedestrian collision analysis
- Motorcycle collision analysis
- Computer simulation and animation of motor vehicle accidents
- 2D and 3D animation of car/truck/motorcycle.pedestrian accidents
- Analysis of low-velocity impacts
- Completed over 150 accident reconstructions since 1994
- Consulted on or assisted with over 300 reconstructions since 1994

EXPERT WITNESS EXPERIENCE

- Qualified expert in numerous Pa. county courts and in USDC Western District in Pennsylvania, in Harford County, Md., and in Pocahontas County Court in West Virginia
- Evidence given on the following issues: seat belt usage, low-speed impact analysis, driver ID, point of impact placement, bicycle collision, vehicle speed, truck tractor speed, time/distance analysis, impact speed analysis, sight distance, CDR (black box) download, etc.

ACADEMIC BACKGROUND

- Various seminars and lectures including guest speaking invitations
- Pennsylvania State Police, On Scene Accident Investigation, January 1990
- Pennsylvania State Police, Advanced Accident Investigation, February 1994
- Institute of Police Technology and Management, University of North Florida, Traffic Accident Reconstruction, November 1994
- Pennsylvania Department of Education, Motorcycle Accident Investigation, March 1995
- Pennsylvania Department of Education, Commercial Vehicle Rollover, October 1995
- Successfully completed the examination for the Accreditation Commission for Accident Reconstruction , an 8 hour exam designed to qualify experienced accident reconstructionists on an international basis. This commission is sponsored by all the professional accident reconstruction organizations in North America. This exam was written October 1995. Mr. Sullenberger was the 677 accident reconstructionist in the world to have passed this examination.
- Pennsylvania Department of Education, Occupant Kinetics, October 1996

CONTACT - PHONE: (724) 396-1372 EMAIL: GSULLENBERGER@CRASHTEAMS.COM

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- Pennsylvania Department of Education, Pedestrian Collision Reconstruction, April 1997
- Pennsylvania Department of Education, Investigation of Commercial Vehicle Accidents, May 1997
- Pennsylvania Department of Education, Heavy Truck Reconstruction, May 1998
- Institute of Police Technology and Management, University of North Florida, Applied Physics for Traffic Investigators; January 1999
- Pennsylvania District Attorneys Institute, Investigating Homicide by Vehicle, August 2000
- University of California Riverside, Speed Determination from Crush Analysis, September 2000
- Institute of Police Technology and Management, University of North Florida, Investigation of Motorcycle Crashes, April 2001
- Institute of Police Technology and Management, University of North Florida, Pedestrian/Bicycle Crash Investigation, February 2002
- Collision Safety Institute, Crash Data Retrieval System Operator, March 2003
- North Coast Polytechnic Institute, Low Speed Impacts, September 2003
- Institute of Police Technology and Management, University of North Florida, Human Factors in Collision Reconstruction, November 2003
- North Coast Polytechnic Institute, Biomechanics in Accident Reconstruction, May 2004
- Collision Safety Institute, Vehicle Damage and Energy Relationships, January 2005
- Pennsylvania Department of Transportation, Pennsylvania State Inspection Mechanic certification, May 2005

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- National Transportation Safety Board, Biomechanics of High-Impact Injuries, April 2007
- Institute of Police Technology and Management, University of North Florida, Special Problems in Traffic Crash Reconstruction, April 2007
- National Highway Transportation Safety Administration, Child Passenger Saefty Seat Technician Training, October 2007
- Institute of Police Technology and Management, University of North Florida, Special Problems in Traffic Crash Reconstruction, April 2007, Invited Guest Speaker - Overall Throw Distance in Pedestrian Collisions
- Leica Geosystems, Leica Laser scanner Training, August 2008
- Institute of Police Technology and Management, University of North Florida, Advanced Commercial Vehicle Collision Investigation, November 2008
- Society of Automotive Engineers, Forensic Analysis of Medical Records in Injury Biomechanics and Accident Reconstruction Studies, December 2008
- Institute of Police Technology and Management, University of North Florida, Special Problems in Traffic Crash Reconstruction, April 2009
- National Study Center for Trauma and EMS, CIREN meeting, May 2009
- California Association of Accident Reconstruction Specialists, Invited Guest Speaker, Overall Throw Distance in Pedestrian Collisions, October 2009
- Institute of Police Technology and Management, University of North Florida, Event Data Recorder Use in Traffic Crash Reconstruction, April 2010

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- Institute of Police Technology and Management, University of North Florida, Special Problems in Traffic Crash Reconstruction, April 2010, Invited Guest Speaker - Occupant Kinematics for Traffic Crash Reconstruction
- Mechanical Forensics Engineering Services, Advanced Motorcycle Collision Investigation, June 2010
- ARAS 360 3D animation training, ARAS 360, February 2011
- NAS Level 1 Truck Inspection class, Pennsylvania State Police, April 2011
- Institute of Police Technology and Management, University of North Florida, Special Problems in Traffic Crash Reconstruction, April 2011
- Heavy Vehicle Engine Data Recorder class, Society of Automotive Engineers, May 2011
- Institute of Police Technology and Management, University of North Florida, Special Problems in Traffic Crash Reconstruction, April 2012
- Institute of Police Technology and Management, University of North Florida, Special Problems in Traffic Crash Reconstruction, May 2013 Invited Guest Speaker - Occupant Kinematics Case Studies
- ITAI Conference, Solihull, United Kingdom, April 2014 Invited Guest Speaker, Pedestrian Impact on Low Friction Surface
- Society of Automotive Engineers World Congress, April 2014 Invited Guest Speaker, Pedestrian Impact on Low Friction Surface
- EVU Conference 2014, Copenhagen, Denmark October 2014 Invited Guest Speaker, Pedestrian Impact on Low Friction Surface

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PROFESSIONAL WORK EXPERIENCE

- Accident Reconstruction - Crashtams PA/WV/ECC 2009 to present
- Accident Reconstruction Instruction - University of North Florida, Institute of Police Technology and Management 2004 to present
- Accident Reconstruction and Training - Pennsylvania State Police 1988 to 2009
- Collision Investigation Training Coordinator - Pennsylvania State Police 1997 to 2004
- Deputized as United States Marshall during United Flight 93 airplane crash on September 11, 2001 - located and documented evidence via forensic mapping

LITERATURE:

- Author of all Pennsylvania State Police collision investigation lesson plans as of 2004
- Author of SAE paper 2014-01-0470 "Pedestrian Impact on Low Friction Surface" – peer reviewed and published by the Society of Automotive Engineers
- Author of half of the current lesson plan for Occupant Kinematics for the Traffic Crash Reconstructionist – Institute of Police Technology and Management – University of North Florida

OTHER SPECIALIZED TRAINING:

- NHTSA Certified Standardized Field Sobriety Testing Practitioner/Instructor/Master Instructor
- Intoxilyzer 5000 Operator and Maint. Officer and RBT IV Operator
- Firearms Instructor
- American Red Cross First Aid and CPR Instructor
- Anatomy classes at Westmoreland Community College

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INSTRUCTIONAL EXPERIENCE:

LECTURES

- Validating the "f" in Searle, University of North Florida, Institute of Police Technology and Management, April 2008 – also California Association (CAARS), October 2009 – also Joint Conference (NATARI) April 2011 – also Great Britain (ITAI), April 2014
- Occupant Kinematics for the Traffic Crash Reconstructionist, University of North Florida, Institute of Police Technology and Management, April 2010 and May 2013

COURSES TAUGHT

- At Scene Traffic Crash/Traffic Homicide Investigation - an 80 hour course of basic crash information
- Advanced Traffic Crash Investigation - an 80 hour course of intermediate crash information
- Traffic Crash Reconstruction - an 80 hour course of reconstruction information
- Traffic Crash Reconstruction Update - a 40 hour course of in-depth reconstruction information
- Investigation of Motorcycle Collisions - a 40 hour course of motorcycle collision techniques
- Pedestrian/Bicycle Crash Investigation - a 40 hour course of pedestrian and bicycle collision techniques
- Occupant Kinematics for the Traffic Crash Reconstructionist – a 40 hour course of the movement of bodies and injury analysis in crash investigation (developed and taught)

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COURSES TAUGHT, continued

- Mr. Sullenberger has taught courses for the following agencies:

Pennsylvania State Police	California Highway Patrol
Ohio Highway Patrol	Colorado State Police
West Virginia State Police	Delaware State Police
Wyoming Law Enforcement Academy	Jamaica Constabulary
Italian State Police	Arkansas State Police
Minnesota State Police	Arizona DPS
North Carolina Justice Academy	Murfreesboro, TN Police
South Dakota Highway Patrol	New York State Police
South Carolina Highway Patrol	Michigan State Police

PROFESSIONAL ASSOCIATIONS

- The Accreditation Commission for Traffic Accident Reconstruction, member (ACTAR) #677
- Pennsylvania Collision Analysis and Reconstruction Society, President
- International Network of Collision Reconstructionists
- National Association of Professional Accident Reconstruction Specialists
- Society of Automotive Engineers
- Boy Scouts of America - Eagle Scout

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