



Henry C. Schmoker, BSME, ACTAR, CVST & CVSE

Forensic Accident Reconstructionist
System Engineer and Laboratories (SEAL)

QUALIFICATIONS

Forensic Engineer • Mechanical Engineer • Reconstruction of Vehicles/Heavy Trucks • Data Imaging of Heavy Trucks • Data Imaging of Passenger Vehicle Modules • Infotainment Systems • Photogrammetry • Video Analysis • Motorcoach Investigator • Bicycle/Pedestrian Accidents • Farm/Heavy Equipment Incidents • Simulations/Vehicle Dynamics • Failure Analysis • Recreational Vehicles • Fuel Systems • Product Liability • Accident Reconstruction • Engineering Analysis • Design and Manufacturing Defects • Material Failure

CERTIFICATIONS

- E.I.T., Engineer #166639
- ACTAR, Accredited Traffic Accident Reconstructionist, Reg #4811
- SAE, Accident Reconstructionist Certificate
- Berla, Certified Vehicle System Forensic Technician
- Berla, Certified Vehicle System Forensic Examiner
- DOT FAA – 14 CFR Part 107 Certified sUAS Pilot

MEMBERSHIPS

SAE International, Society of Automotive Engineers
ITAI, The Institute of Traffic Accident Investigators
NAPARS, National Association of Professional Accident Reconstruction Specialists
WATAI, Washington Association of Technical Accident Investigators
CA2RS, California Association of Accident Reconstruction Specialists
SATAI, Southwestern Association of Technical Accident Investigators

AUTHORED PUBLICATIONS

- Transport Canada Commercial Bus HVEDR Feasibility Study (File No. T8080-160062)
- Deliverable No. 1-7

EDUCATION

Bachelor of Science, Mechanical Engineering, University of Texas Tyler, 2017
Associate of Applied Science, Automotive Technology, Tyler Junior College, 2013
SAE International, Photogrammetry and Analysis of Digital Media, August 2024
Hyundai-Kia & Tesla EDR Tool Operator-Technician Course, September 2023
Heavy Truck EDR, Simulation, Seatbelts, Vehicle Dynamics, EDR/CDR and many others.

RESEARCH RECOGNITION/PRESENTATIONS

- SAE International, Accident Reconstruction Microlearning Library “Accident Reconstruction in Commercial Vehicles” – PD102304 Instructor
- Assisted in managing and coordinating advanced driver assistance systems testing on heavy trucks including multiple test vehicles and ADAS variants for a large fleet following ISO and NHTSA standards. Additional fringe tests were also completed; Buttonwillow, CA, August 2020
- Acknowledged for contributions in research and investigation for the following listed SAE International publications:
 - * “Examination of Detroit Assurance[®] 4.0 Video Radar Decision Unit (VRDU) Records for Use in Crash Analysis,” SAE Paper No. 2023-01-0009, Society of Automotive Engineers, Detroit, Michigan, April 2023.
 - * “Testing of Heavy Truck Advanced Driver Assistance Systems and Crash Mitigation Systems,” SAE Paper No. 2023-01-0010, Society of Automotive Engineers, Detroit, Michigan, April 2023.
 - * “Examination of Bendix[®] Data Recording (BDR) Records for Use in Crash Analysis,” SAE Paper No. 2023-01-0012, Society of Automotive Engineers, Detroit, Michigan, April 2023.

EXPERIENCE

- 2025 - Present Forensic Accident Reconstructionist, System Engineering And Laboratories (SEAL)
- 2017 - 2025 Accident Reconstructionist Engineer, Mecanica Scientific Services Corporation (MSSC)