



MOMENTUM
engineering corp.

CURRICULUM VITAE
PATRICK D. STADLER, BSME, ACTAR

SPECIALIZATION

- Crash Data Recorder
- Vehicle Dynamics and Loss of Control
- Heavy Truck Braking Efficiency
- Collision Simulations
- Accident Reconstruction
- Traffic Signal Analysis
- Licensed Drone Pilot
- 3-D Laser Scanning

EDUCATION

- Bachelor of Science in Mechanical Engineering (BSME)
Washington State University, Tri-Cities (1992)

CERTIFICATIONS

- IPTM – Accident Reconstruction Certificate Program, 1989
- ACTAR – Accreditation Commission for Traffic Accident Reconstruction, 2000-2020
- CDR – Technician
- CDR – Data Analyst

PROFESSIONAL EXPERIENCE

2020 to present	MOMENTUM ENGINEERING CORP. <i>Senior Forensic Engineer</i>
2006 to 2020	STADLER ACCIDENT RECONSTRUCTION <i>Owner/Senior Forensic Engineer</i>
1986 to 2006	CONSULTANT ACCIDENT RECONSTRUCTION <i>Forensic Engineer</i>

TECHNICAL BACKGROUND

Accident Reconstruction:

Reconstruction of automobile, heavy truck, bus, bicycle, motorcycle, and pedestrian accidents. Collision analysis, scene investigation and drawings, skid and crush analysis, photography, vehicle inspection, velocity/damage analysis, and vehicle dynamics. Reconstruction of vehicular and motorcycle accidents. Retrieval and analysis of vehicle edr data utilizing the Bosch CDR tool kit.

TRAINING

- Crash Safety Solutions 2020 IDRR User Forum and Training, Las Vegas, NV
- University of North Florida, Institute of Police Technology and Management, Event Data Recorder Use in Accident Reconstruction Level 2, Helena, MT
- University of North Florida, Institute of Police Technology and Management, Event Data Recorder Use in Accident Reconstruction Level 1, Phoenix, AZ
- Washington Association of Technical Accident Investigators Spring Seminar, Low Speed Impact Analysis, Testing, and Injury Causation, Bellevue, WA, 2014
- Pedestrian Collision Investigation Course, Bellevue, WA, 2013
- Crush Energy Analysis Course Everett, WA, 2010
- Washington Association of Technical Accident Investigators Fall Seminar, 6-Stage Crash Tests and Vector Diagramming & Momentum, Federal Way/Burien, WA, 2009
- Washington Association of Technical Accident Investigators Spring Seminar, Lighting and Visibility Issues, Federal Way, WA, 2008
- Washington Association of Technical Accident Investigators Spring Seminar, Forensic Seat Belt Analysis, Bellevue, WA, 2008
- Washington Association of Technical Accident Investigators Spring Seminar, Accident Recon. at Traffic Signal Intersections, Bellevue, WA, 2008
- CSI-Vetronix Bosch Group Crash Data Retrieval Data Analysis Course Seattle, WA, 2007
- CSI-Vetronix Bosch Group Crash Data Retrieval Technician Course, Seattle, WA, 2007
- Collision Reconstruction Update with Excel Applications Bothell, WA, 2007
- Washington Association of Technical Accident Investigators Spring Seminar, Physics Applications to Collisions, Bothell, WA, 2006
- Crash Data Retrieval (CDR) Users Conference, Dallas, TX, 2006
- Crash Data Retrieval (CDR) Toolkit Operators Certificate Course, Seattle, WA, 2005
- Washington Association of Technical Accident Investigators Fall Seminar, Crash Testing & NHTSA, Seattle, WA, 2005
- Washington Association of Technical Accident Investigators, Spring Seminar, Speed from Translational Yaw, Seattle, WA, 2005

- Motorcycle Crash Investigation Course, IPTM Training, Yakima, WA, 2003
- Vertonix Corp., General Motors, TEEEX CDR Training Seminar, Santa Barbara, CA, 2001
- Forensic Accident Reconstruction of Oregon Energy Analysis and Basic Concepts & Application Conference, Salem, OR, 2001
- WREX 2000: World Reconstruction Exposition. College Station, TX, 2000
- Society of Automotive Engineers, Heavy Vehicle Rollover TOPTEC: Prevention, Analysis and Reconstruction. Richmond, BC Canada, 2000
- Society of Automotive Engineers, Commercial Vehicle Rollover Workshop, Crash Investigation and Reliability of Scene Evidence, Richmond, BC, Canada, 2000
- MacInnis Engineering's PC-Crash and PC-Rect Training Workshop, Las Vegas, NV, 2000
- California Association of Accident Reconstruction Specialists, First Annual CAARS Training Conference, "Speed from Crush & New Black Box Technology, Concord, CA, 1999
- Texas Engineering Extension Service, Law Enforcement & Security Training Division, The Texas A&M University System. Analysis of Low Speed Collisions, Seattle, WA, 1999
- Forensic Accident Reconstruction of Oregon Heavy Truck Roll-Over "97" Seminar, Bend, OR, 1997
- Texas Engineering Extension Service, Law Enforcement & Security Training Division, The Texas A&M University System. Analysis of Low Speed Collisions, Houston, TX, 1997
- Washington Association of Technical Accident Investigators Fall Seminar, Ellensburg, WA, 1993
- Arkansas State University, Center for Off-Campus Programs and Continuing Education, Commercial Vehicle Accident Investigation and Reconstruction, Jonesboro, AR, 1993
- Canadian Association of Technical Accident Investigators and Reconstructionist, Society of Accident Reconstructionists, Texas Association of Accident Reconstruction Specialists, and Washington Association of Technical Accident Investigators Combined Conference and Training Seminar, Kelowna, British Columbia, Canada, 1992

- BH2VK Crash Testing Seminar, San Bernardino, CA, 1992
- Washington Association of Technical Accident Investigators Fall Seminar, Lynnwood, WA, 1990
- Texas Association of Accident Reconstruction Specialists, Society of Accident Reconstructionist & Washington Association of Technical Accident Investigators Conference. Texas A&M University, College Station, TX, 1990
- Washington Association of Technical Accident Investigators & Society of Accident Reconstructionist Seminar & Conference, Seattle, WA, 1989
- Washington Association of Technical Accident Investigators Car-Pedestrian Seminar, Redmond, WA, 1987
- University of North Florida, Institute of Police Technology and Management, Traffic Accident Reconstruction, Jacksonville, FL, 1987
- University of North Florida, Institute of Police Technology and Management Advanced Traffic Accident Investigation, Jacksonville, FL, 1987
- Washington Association of Technical Accident Investigators, Monroe, WA, 1986
- University of North Florida, Institute of Police Technology and Management, At Scene Traffic Accident Investigation, Jacksonville, FL, 1986