



CURRICULUM VITAE
ZACHARIAH WEIMER

EDUCATION

- 2008 MS COLORADO SCHOOL OF MINES – GOLDEN, COLORADO
College of Engineering (Engineering – Emphasis in Biomechanical)
- 1999 BS COLORADO SCHOOL OF MINES – GOLDEN, COLORADO
College of Engineering (Engineering – Mechanical Specialty)

PROFESSIONAL EXPERIENCE

- 2013 – DATE VECTOR SCIENTIFIC, INC.
Senior Engineer
Accident reconstruction and forensic engineer; analysis of collinear impacts including low-speed and high-speed automobile collisions (frontal, rear, lateral, sideswipe); analysis of high-speed rollover collisions; Event Data Recorder (EDR) analysis.
- 2009 – 2013 OEC FORENSICS
Senior Engineer
Motor vehicle accident investigation, analysis, and reconstruction.
- 2005 – 2008 LARSON BINKLEY, INC.
Mechanical Engineer
- 2003 – 2005 BREDSON & ASSOCIATES, INC.
Mechanical Designer

LICENSES AND CERTIFICATIONS

Professional Licenses

Registered Professional Engineer – State of Colorado #43521

Registered Professional Engineer – State of Kansas #20091

Registered Professional Engineer – State of Wyoming #15440

Professional Certifications

National Council of Examiners for Engineering and Surveying – Record #38727

National Academy of Forensic Engineers – Board Certified Diplomat in Forensic Engineering #775M

Accreditation Commission for Traffic Accident Reconstruction – Fully Accredited Traffic Accident Reconstructionist #2435

Bosch/Vetronix Crash Data Retrieval – CDR Technician I & II Certifications

Bosch/Vetronix Crash Data Retrieval – CDR Data Analyst and System Operator Certification

ARAS360 Advanced 3D Computer Diagramming for Crash Reconstruction – Certified Trainer

PUBLICATIONS

Weimer Z, Ogden J, Martonovich M, Kloberdanz K. Information Analysis for the Collision Analyst, Collision Magazine, Volume 7, Issue 1, Spring 2012.

Weimer Z, Ogden J, Kloberdanz K, Martonovich M. Event Data Recorders and Evidence Spoliation: Avoiding Exposure, Colorado Claims, Volume 9, Number 3, October 2011.

ORAL PRESENTATIONS

Weimer Z, Ogden JS. Forensic Engineering Methods for the Analytical Analysis of Low-Speed Impacts. Special Seminar of the National Academy of Forensic Engineers, Minneapolis, Minnesota, July 2013.

CONFERENCES, SEMINARS AND SHORT COURSES

2015 Vehicle Dynamics for Passenger Vehicles and Light Trucks, e-Seminar

2015 Reconstruction and Analysis of Rollover Crashes of Light Vehicles, Detroit, MI

2013 Annual Meeting of the National Academy of Forensic Engineers, Minneapolis, MN

2013 Special Seminar of the National Academy of Forensic Engineers, Minneapolis, MN

2012 Understanding Slip & Fall Events: A Biomechanical Perspective, University of Southern California, Pasadena, CA

- 2012 Photomodeler Collision Investigation, Loveland, CO
- 2012 Traffic Crash Reconstruction III, Northwestern University Center for Public Safety, Evanston, IL
- 2012 Bosch Crash Data Retrieval – CDR Technician I & II Course, Littleton, CO
- 2011 ARAS360 Advanced 3D Computer Diagramming for Crash Reconstruction, Train the Trainer, Kamloops, BC
- 2011 Annual Meeting of the National Academy of Forensic Engineers, Las Vegas, NV
- 2011 Special Seminar of the National Academy of Forensic Engineers, Las Vegas, NV
- 2011 PC-Crash Special 3-day Workshop, Laguna Hills, CA
- 2010 Excel Tribometers Certified XL Tribometrist Certification Program, San Antonio, TX
- 2010 Traffic Crash Reconstruction II, Northwestern University Center for Public Safety, Evanston, IL
- 2009 Bosch Crash Data Retrieval – CDR Technician Course, Grand Junction, CO
- 2009 Bosch Crash Data Retrieval – CDR System Analyst Course, Grand Junction, CO
- 2009 Traffic Accident Reconstruction I, Northwestern University Center for Public Safety, Valhalla, NY
- 2009 Accident Investigation I & II, Northwestern University Center for Public Safety

PROFESSIONAL MEMBERSHIPS

- 1999 – Date Order of the Engineer
- 2009 – Date Kansas State Board of Technical Professions
- 2009 – Date National Academy of Forensic Engineers (NAFE)
- 2010 – Date National Society of Professional Engineers (NSPE)
- 2010 – Date Professional Engineers of Colorado
- 2010 – Date Society of Automotive Engineers (SAE)
- 1996 – 2013 American Society of Mechanical Engineers (ASME)