

Craig Alan Luker, P. Eng., P.E., ACTAR

CURRICULUM VITAE

RELEVANT EXPERIENCE:

- Experience in all aspects of accident reconstruction including event data recorder downloads and interpretation, occupant kinematic response, speed determination, time-distance analysis, impact location, motor vehicle/pedestrian interactions, heavy truck incidents, low-speed collision analysis, motorcycle and bicycle analysis, occupant position determination, seat belt usage analysis, mechanical component failure causing motor vehicle accident
- Over 1,400 motor vehicle accidents and injury incidents investigated
- Qualified as an expert witness in the field of engineering and accident reconstruction in Supreme and Provincial Courts of British Columbia in both civil and criminal matters
- Regularly attends conferences and seminars relevant to forensic engineering

ACADEMIC QUALIFICATIONS:

- 1991 Bachelor of Engineering - Mechanical - Royal Military College of Canada (Kingston, Ontario)
- Ballistics course - Royal Military College of Science, England
- The Engineering of Measurement Systems - Stein Engineering Services Inc.
- The Dynamics of Measurements Systems - Stein Engineering Services Inc.
- Advanced PC-Crash Course - Vancouver, BC
- CDR System Operator Course - Las Vegas, NV
- CDR Technician Course - Winnipeg, MB
- CDR Data Analyst Course - Winnipeg, MB

PROFESSIONAL WORK EXPERIENCE:

- 2008 - Present - Senior Forensic Engineer, Crashtams PACIFIC NORTHWEST, Inc. (owner)
- 2005 - 2008 - Senior Forensic Engineer, Forensic Dynamics LLC (owner)
- 1996 - 2005 - Accident Reconstruction Engineer, Forensic Dynamics Inc. (partner)
- 1995 - 1996 - Accident Reconstruction Engineer, Forensic Dynamics Inc.
- 1996 - 2001 - Co-Founder of VS Visual Statement Inc., market leader of accident drawing and animation software for the police market.
- 1994 - Project Engineer, Weyerhaeuser Canada Ltd. (Kamloops, B.C.)
- 1993 - 1994 - Project Engineer, Thompson-Nicola Engineering Company Ltd.
- 1992 - 1993 - Armament Systems Engineer - Department of National Defence (Cold Lake, Alberta)
- 1996 - 2001 - Co-Founder of VS Visual Statement Inc., market leader of accident drawing and animation software for the police market.

PROFESSIONAL ASSOCIATIONS:

- Association of Professional Engineers & Geoscientists of British Columbia (APEGBC)- Professional Engineer (P.Eng.), Registration #21,666
- State of Arizona Board of Technical Registration – Professional Engineer (P.E.), Registration #47,059
- Accreditation Commission for Traffic Accident Reconstructionists (ACTAR) – Member #1923
- Society of Automotive Engineers (SAE) – Member

- National Society of Professional Engineers (NSPE) - Member
- Washington Association of Technical Accident Investigators (WATAI) - Vice President

CERTIFICATIONS:

- Certified Crash Data Retrieval (CDR) Technician
- Certified Crash Data Retrieval (CDR) Data Analyst
- Certified XL Tribometrist (CXLT) – Certified in use of English XL Variable Incident Tribometer to measure and interpret the slip resistance of walking surfaces
- Certified Law Enforcement Instructor - Arkansas Commission on Law Enforcement Standards and Training
- Motorcycle Driver's License Endorsement

RESEARCH, PUBLICATIONS AND TEACHING:

- Inventions - Patent #6,332,354 "Method and Apparatus for Determining Vehicle Brake Effectiveness"
- Publications -
 - "Comparisons of Devices for Measuring Acceleration vs. Time in Braking Tests", C. Luker, SAE 2008-01-0180.
 - "Laboratory Melting Performance Comparison: Rock Salt with and without Pre-Wetting", Luker, Rokosh & Leggett (Forensic Dynamics Inc.) - Presented to the Transportation Research Board Sixth International Symposium on Snow Removal and Ice Control Technology, Spokane, WA, June 7, 2004.
 - "Performance Comparison: NSC Minerals Inc. Salts to Standard Road Salt", Luker & Rokosh (Forensic Dynamics Inc.) - Privately funded by NSC Minerals Inc.
 - "An Investigation into the Safety Aspects Related to Bunk Securement of BC Logging Trucks" - Funded by BC Ministry of Transportation and Highways.
- Teaching -
 - Collision Reconstruction with PC Crash, Dubai, U.A.E.
 - Vista for State Patrol, AK
 - Computer animation - UBC Law School Advanced Evidence seminar
 - Evidence Preservation Lecturer - ICBC Estimators
 - Overview of PhotoModeler – Crashteam Conference August 2008-08-15
 - Overview of PC Crash – Crashteam Conference August 2008-08-15
 - CDR Update – Crashteam Conference August 2008-08-15
 - Vehicle Testing Tools – Crashteam Conference August 2008-08-15
- Member of SAE Accident Investigation and Reconstruction Practices (AIRP) Technical Committee's Drag Sled Group