

D.J. Dalmotas Consulting, Inc.

CURRICULUM VITAE

Jean-Louis Comeau, B.A.Sc

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DEGREES HELD

Degree: B.A.Sc.
Course: Mechanical Engineering
Dates: 1983 - 1987
Awarded by: University of Ottawa

HONOURS AND AWARDS

Dr. Charles H. Miller Award; June 2001
(Best Technical Paper presented at the 12th. Canadian Multidisciplinary
Road Safety Conference; London, Ontario; June 10-13, 2001)

SKILLS

- Excellent oral and written communication in both official languages
- Provide stakeholders with leadership and advice on matters relating to collision investigations
- Work with a diverse group of stakeholders with varying interest and priorities
- Well organized, task oriented with a proven track record of delivering projects rich in scope and with a high degree of quality
- Proven experience leading and supervising teams of investigators located across Canada
- Self-motivated and capable of working independently or in a group environment
- Result oriented

Safety is our passion - analysis is our specialty

- Experience conducting literature reviews, executing research study designs, collecting data, analyzing data, writing, and preparing tailored reports
- Experience with problem identification, troubleshooting, developing and implementing innovative solutions
- Effective priority and task management with ability to meet deadlines
- Exceptional interpersonal aptitude and client relation skills; team player

PROFESSIONAL HISTORY

Researcher

JCOM Scientific Services Inc.

August 2020 - to present

- Provide expert advice, information and guidance on road and motor vehicle safety issues.

Chief, Collision Investigations and Research

Transport Canada Motor Vehicle Safety

September 2005 - August 2020

- Manage a unit comprising of 3 employees in the NCR and 6 contracted collision investigations teams with 10 investigators located across Canada;
- Negotiate contracts with private-sector organizations and universities, establish terms of reference for services required, monitor results and authorize all financial expenditures;
- Write formal data sharing agreements with universities, police departments, hospitals and coroners across Canada.
- Plan, organize and implement the Directorate's collision investigation research programs, including study design, investigator training, quality control and data analysis;
- Provide expert advice, information and guidance on motor vehicle safety issues and the implication of collision investigation findings to various stakeholders;
- Represents the department as a technical expert dealing with issues related to collision investigation research and motor vehicle safety;
- Act as the technical expert on vehicle event data recorders (EDR) for passenger and heavy freight vehicle including data retrieval, accuracy and analysis.

Senior Collision Investigator

Transport Canada Motor Vehicle Safety

April 1994 - September 2005

- Investigates motor vehicle collisions in Canada to provide pertinent data in support of research and standard-making activities being undertaken by the Directorate;
- Develop research studies from the goals and objectives to literature review, data collection protocols, coding schemes, pilot testing, implementation, quality control, data analysis and conclusions;
- Provide training on in-depth collision investigation techniques, tools, equipment and methodologies used to analyze and reconstruct motor vehicle collisions.

Vehicle Defect Investigator
Transport Canada Motor vehicle safety
May 1987 - April 1994

- Monitor compliance with the Motor Vehicle Safety Act by investigating complaints alleging a safety related defect in motor vehicles, tires and child seats.
- Conduct engineering analysis to determine the extent of the problem, laboratory analysis to find the cause, and field test and simulation to see the effects of the failure.
- Participate in meetings with vehicle manufacturers, importers and industry associations to exchange factual information that will assist in developing a position with respect to the subject complaint.

COMMITTEE MEMBERSHIPS

Society of Automotive Engineers; Truck and Bus Event Data Recorder Committee

MOTOR VEHICLE SAFETY RESEARCH STUDIES

- Air Bag Deployments
- Moderately Severe Side Impacts
- Rear Occupant Protection
- Children in Crashes
- School Bus and Highway Coach Collisions
- Heavy Truck Crash Causation
- Light Truck and Van Collisions
- Heavy Truck Wheel Separations
- Causes of Fatal Collisions
- Heavy Truck - Pedestrians and Cyclist
- Light Truck and Van - Pedestrians and Cyclist
- Crash Data Recorders - Light Truck and Van
- Crash Data Recorders - Medium and Heavy Duty Truck

FORMAL DATA SHARING AGREEMENTS - POLICE

- Fredericton Police Service
- Sûreté du Québec
- Ontario Provincial Police
- Calgary Police Service
- Edmonton Police Service

FORMAL DATA SHARING AGREEMENTS - MEDICAL

- Montreal Children's Hospital
- Centre Hospitalier Universitaire Sainte-Justine
- Children's Hospital - London Health Sciences Centre
- Bureau du coroner - Quebec
- Office of the Chief Coroner - Ontario
- Office of the Chief Medical Examiner - Alberta Justice
- McGill University Health Centre - Research Ethics Board Approval
- Western University - Research Ethics Board Approval
- University of Calgary - Research Ethics Board Approval
- University of Alberta - Research Ethics Board Approval
- New Brunswick Trauma Program
- Alberta Health Services

PUBLICATIONS

Comeau JL, German A, Trepanier D, and Monk B; Crush Measurements for Side Impacts Using a Total Station; *SAE 960100*; 1996

German A, Dalmotas D, Comeau JL, Monk B, Contant P, Gou M, Carignan S, Lussier LP, Newman J, and Withnall C; In-Depth Investigation and Reconstruction of an Air Bag Induced Child Fatality; *Proc. 16th ESV Conf.*; pp. 1126-1134; Windsor, Ontario; 1998

Comeau JL, German A and Monk B; Heavy Truck Wheel Separations: An In-Depth Study of Real-World Incidents; *Proc. CMRSC-XI*; Halifax, Nova Scotia; May 9-12, 1999

Dalmotas D, German A, Comeau J-L, Monk B and Hurley R; Correlation of Field Accident Data with Dummy Responses Measured in Side Impact Crash Tests; *Proc. JSAE Spring Convention*; Yokohama, Japan; May 19-21, 1999.

German A, Comeau J-L, Monk B, McClafferty KJ, Tiessen P, Nowak ES, Chan J and Lo G; The Use of Event Data Recorders in the Analysis of Real-World Crashes; *Proc. CMRSC-XII*; London, Ontario; June 10-13, 2001

Linda Rothman L, Moses McKeag A, Howard A, Reid D, Letts M, Comeau J-L, Monk B and German A, Ejections from Child Restraint Systems in Rollovers: Observations from Real-World Collisions, *Proc. CMRSC-XII*; London, Ontario; June 10-13, 2001

Howard A, Moses McKeag A, Rothman L, German A, Comeau J-L and Monk B; Ejections of Young Children in Motor Vehicle Crashes; *J. Trauma*; 2002

German A, Dalmotas D, Tylko S, Comeau J-L and Monk B; Air Bag Induced Fatalities in Canada; *Proc. CMRSC-XIII*; Banff, Alberta; June 8-11, 2003

McClafferty K, Tiessen P, Shkrum M, Chan J, Deyell P, German A, White J, Glazduri V, Comeau J-L and Monk B; A Study of Pre-Crash Events Using Information Retrieved from Event Data Recorders; Proc. CMRSC-XIII; Banff, Alberta ; June 8-11, 2003

German A, Dalmotas D, Tylko S, Comeau J-L and Monk B; Air Bag Research in Canada: The Development of Knowledge-Based Countermeasures; Canadian Injury Prevention and Safety Promotion Conference; Ottawa, Ontario; November 23-25, 2003 (Published abstract)

Comeau J-L ; German A and Floyd D; Comparison of Crash Pulse Data from Motor Vehicle Event Data Recorders and Laboratory Instrumentation; Proc. CMRSC-XIV; Ottawa, Ontario; June 27-30, 2004

Comeau JL, German A, Monk B, White J, Jonah B, Boase P, Belluz L, Burns P, Bowron D, Edens P, Kent G and McCallum A; Multidisciplinary Study of the Causes of Fatal Collisions; *Proc. CMRSC-XVI*; Winnipeg, Manitoba; June 11-14, 2006

German A, Comeau J-L, McClafferty KJ and Green RN; Event Data Recorders and Traffic Safety Research; Proc. 20th ITMA World Congress; 16-18 October, 2006; Melbourne, Australia (Published abstract)

German A, Comeau J-L, McClafferty KJ, MJ. Shkrum and PF Tiessen; Event Data Recorders in The Analysis of Frontal Impacts; *Proc. 51st AAAM Annual Scientific Conference*; Melbourne, Australia; 14-17 October, 2007.

Jean-Louis Comeau, Alan German; Crash Pulse Analysis using Event Data Recorders; Presented at CMRSC-XVIII; Saskatoon, Saskatchewan; June 8-10, 2009

Jean-Louis Comeau, Alan German; Evaluation of the Accuracy of Event Data Recorders in Chrysler Vehicles in Frontal Crash Tests; Presented at CMRSC-XXI; Halifax, Nova Scotia; May 8-11, 2011

Jean-Louis Comeau, Alan German; Event Data Recorders in Toyota Vehicles; Presented at CMRSC-XXI; Halifax, Nova Scotia; May 8-11, 2011

Alan German, Dainius J. Dalmotas, Jean-Louis Comeau; Crash Pulse Data from Event Data Recorders in Rigid Barrier Tests; Proc. 22nd. ESV Conference; Washington, D.C.; June 13-16, 2011

Charyk Stewart T, McClafferty K, Shkrum M, Comeau JL, Gilliland J and Fraser DD. A Comparison of Injuries, Crashes and Outcomes for Pediatric Rear Occupants in Traffic Motor Vehicle Collisions. *J Trauma Acute Care Surg.* 2013 Feb; 74 (2):628-33.

Jean-Louis Comeau, Alan German, Dainius J. Dalmotas, Priya Prasad; Ejections and Fatalities in Single-Vehicle Rollover Crashes: A Question of Restraint; Presented at CMRSC-XXV; Ottawa, ON; May 27-30, 2015

Jean-Louis Comeau, William Holmes, Brian Monk, Alan German, Simon Schramm, Steven Thannhauser, Craig Good; The Application of Event Data Recorders to Vehicle Safety Research; Presented at CMRSC-XXVII; Toronto, ON; June 18-21, 2017

Michael Shkrum, Kevin McClafferty, Allison Pellar, Douglas Fraser, Tanya Charyk Stewart, Jean-Louis Comeau; Real World Frontal Impacts Involving Infants and Toddlers; Presented at CMRSC-XXVII; Toronto, ON; June 18-21, 2017

Michael Shkrum, Kevin McClafferty, Allison Pellar, Peyton Schroeder, Douglas Fraser, Tanya Charyk-Stewart, Jean-Louis Comeau; Real World Frontal Impacts Involving Belted Rear Pediatric Occupants; Presented at CMRSC-XXVIII; Victoria, BC; June 10-13, 2018

Jean-Louis Comeau, Brian Monk, Paul Boase, Dominique Charlebois, Peter Burns, Alan German; Commercial Vehicles and Vulnerable Road Users; Presented at CMRSC-XXIX; Calgary, AB; May 26-29, 2019

Michael Shkrum, Kevin McClafferty, Allison Pellar, Dennis Carter, Douglas Fraser, Tanya Charyk-Stewart, Jean-Louis Comeau; Real World Side Impacts Involving Rear Pediatric Occupants; Presented at CMRSC-XXIX; Calgary, AB; May 26-29, 2019

Dainius Dalmotas, Aline Chouinard, Jean-Louis Comeau, Alan German, Glenn Robbins and Priya Prasad; Examination of Crash Injury Risk as a Function of Occupant Demographics; Stapp Car Crash Journal; Vol. 67; 2024