



JONATHAN LAWRENCE
PRINCIPAL, SENIOR ENGINEER
TRANSPORTATION GROUP

MASc, Mechanical Engineering, 1991
BSc, (Honors) Mechanical Engineering, 1989
Registered Professional Engineer

Jonathan Lawrence leads MEA's Transportation Group in British Columbia. Since joining MEA in 1994, Mr. Lawrence has conducted technical investigations of over 1500 motor vehicle accidents typically focusing on issues such as speed, impact severity, seat belt use, driver evasion potential, visibility and the interpretation of crash recorder data. Mr. Lawrence has investigated accidents involving passenger cars, truck and vans, heavy-trucks and commercial vehicles, motorcycle, bicycles and pedestrians.

With a background in metal fatigue and fracture mechanics, Mr. Lawrence has also been involved in determining the causes of equipment and product accidents.

Areas of Specialization

- Motor vehicle accidents
- Crash data recorders
- Night-time visibility
- Product and equipment accidents
- Contract research

Professional Affiliations

MEA staff are members of various professional organizations. A current listing can be found on our website www.meaforensic.com.

Recent Publications

Mr. Lawrence is active in the research done at MEA. He has conducted and published research into the use of automotive "black box" crash data recorders, high-speed car crash tests, low speed-crash tests, occupant forces generated during low-speed collisions and night-time visibility.

Wilkinson CC, Lawrence JM, Heinrichs BE, King DJ (2006). The timing of pre-crash data recorded in General Motors sensing and diagnostic modules (2006-01-1397). In: Accident reconstruction (SP-1999). Warrendale, PA: Society of Automotive Engineers.

Lawrence JM, Wilkinson CC (2005). The accuracy of crash data from Ford restraint control modules interpreted with revised Vetronix software (2005-01-1206). In: Accident reconstruction (SP-1390). Warrendale, PA: Society of Automotive Engineers.

Wilkinson CC, Lawrence JM, Heinrichs BE, King DJ (2005). The accuracy and sensitivity of 2003 and 2004 General Motors event data recorders in low-speed barrier and vehicle collisions (2005-01-1190). In: Accident reconstruction (SP-1930). Warrendale, PA: Society of Automotive Engineers.

Cliff WE, Lawrence JM, Heinrichs BE, Fricker TR (2004). Yaw testing of an instrumented vehicle with and without braking (2004-01-1187). In: Accident reconstruction (SP-1873), pp. 45-54. Warrendale, PA: Society of Automotive Engineers.

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