FORENSIC ENGINEERS & SCIENTISTS

TRANSPORTATION
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DUANE D MACINNIS

DIRECTOR, SENIOR ENGINEER
TRANSPORTATION GROUP

BE, Engineering Mechanical, 1972
Registered Professional Engineer

Duane MacInnis is one of the most experienced accident reconstruction specialists in North America. Since establishing MEA in 1982, he has personally examined over 1,000 vehicles and 400 incident scenes, and has been the Principal Engineer on over 3,000 technical investigations.

Mr. MacInnis is an experienced trainer and presenter. He often provides collision reconstruction training at the Royal Canadian Mounted Police headquarters in Ottawa, Canada. He also gives seminar presentations to law firms and insurance companies on collision reconstruction and fraud investigation.

Mr. MacInnis is a licensed Commercial Aircraft Pilot and Flight Instructor as well as a licensed motorcycle driving instructor with the Canada Safety Council. He has also acted as a manuscript reviewer for the Society of Automotive Engineers since 1996.

Areas of Specialization:

- Aircraft
- Motorcycles
- Boats/Marine
- Illumination and visibility
- Trains

Professional Affiliations:

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

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Select Publications:

Mr. MacInnis has contributed significantly to MEA research over the last 22 years. His latest research has been on vehicle washboarding, vehicle dynamics in slush and animation software.

MacInnis DD, Ising KW (1997). Roadway washboarding - The effect on vehicle cornering. Canadian Multidisciplinary Road Safety Conference X, Toronto, ON: Vehicle Safety Research Centre, Civil Engineering Department, Ryerson Polytechnic University.

MacInnis DD, Catania JJ (1997). Slush, asymmetrical drag and road vehicle controllability. In: Proc. of Canadian Multidisciplinary Road Safety Conference X, pp. 190-201. Toronto, ON: Vehicle Safety Research Centre, Civil Engineering Department, Ryerson Polytechnic University.

MacInnis DD, Cliff WE, Ising KW **(**1997). A comparison of moment of inertia estimation technique for vehicle dynamics simulation (970951). In: Accident reconstruction: technology & animation VII (SP-1237), pp. 99-116. Warrendale, PA: Society of Automotive Engineers.