



**DUANE D MACINNIS**  
**DIRECTOR, SENIOR ENGINEER**  
**TRANSPORTATION GROUP**  
**AVIATION GROUP**

BE, Engineering Mechanical, 1972  
Registered Professional Engineer, WA & BC

Duane MacInnis is one of the most experienced accident investigators in North America. Since establishing MEA in 1982, he has been the Principal Engineer on over 3,000 technical investigations.

Mr. MacInnis is a licensed Commercial Aircraft Pilot and Flight Instructor as well as a licensed motorcycle driving instructor with the Canada Safety Council. In addition to the pilot qualifications, he has been trained in Aircraft Accident Investigation at the Southern California Safety Institute, Albuquerque, NM. Mr. MacInnis has also acted as a manuscript reviewer for the Society of Automotive Engineers periodically since 1996.

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

**Areas of Specialization**

- Aviation
- Motorcycles
- Boats/Marine

**Professional Affiliations**

MEA staff are members of various professional organizations. A current listing can be found on our website [www.meaforensic.com](http://www.meaforensic.com).

**Select Publications**

Mr. MacInnis has contributed significantly to MEA research over the last 24 years. Past research has included vehicle washboarding, vehicle dynamics in slush and simulation. More recently, Mr. MacInnis has been researching the subtle effects of hypoxia on general aviation pilots at moderate altitudes.

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.

**Contact:** [duane.macinnis@meaforensic.com](mailto:duane.macinnis@meaforensic.com)