



RESUME OF PAUL J. MOORE, P.E.

SUMMARY

Registered Professional Engineer specializing in motor vehicle accident reconstruction and analysis; and investigation of fires including cause and origin, commercial and residential, appliance, and vehicle fires. Mr. Moore performs fire and traffic accident site mapping services using Total Station surveying equipment. Expertise also includes casework related to electrical failures and instrumentation.

PROFESSIONAL EXPERIENCE

MDE Inc. – Seattle, WA (1999 to Present)

Vice President and Principal . Accident investigations and reconstructions including passenger car, commercial vehicle, and low-speed collisions; time-distance analysis, perception-reaction time and visibility; computer modeling and simulation of accidents, and vehicle performance. Fire origin and cause; scene investigation; laboratory analysis and testing. Electrical failures; evaluation and testing of consumer products to determine cause of failures; industrial equipment failure; and losses in power and utility systems.

The Boeing Company – Seattle, WA (1992 . 1994; 1997 . 1999)

Senior Engineer . Design of electrical systems to support 777 oxygen, vacuum waste, water, emergency evacuation, medical and service outlets; troubleshooting airplane problems on flightline and in factory; testing of new parts in support of FAA certification. Management of Auxiliary Power Unit Start Control Unit Redesign Program for the 737 Next Generation airplane.

Collision Engineering Technologies – Federal Way, WA (1998 . 1999)

Sole proprietor of accident site mapping service. Utilized Total Station equipment to create precise maps of accident sites in three dimensions. Photographed accident sites.

Seattle Police Department – Seattle, WA (1994 . 1997)

Detective . Duties included the follow-up investigation and case preparation for fatality accidents and major vehicle crimes including vehicular homicides, vehicular assaults, and felony and misdemeanor hit-and-run accidents. Case preparation included on-scene response immediately following the major accident, subsequent evidence gathering and analysis, including mechanical and physical examination of each vehicle, scene mapping using Total Station, compilation of case data, and coordination with the prosecutor's office. Additional duties as police officer include response to and processing of hundreds of automobile accidents of all types where duties included vehicle inspection, driver and witness interviews, police report preparation, and enforcement.

Paul J. Moore, P.E.

PROFESSIONAL REGISTRATION & CERTIFICATION

Registered Professional Engineer, State of Washington, #37032
IAAI Certified Fire Investigator

EDUCATION & TRAINING

B.S. Electrical Engineering, University of Washington (1992)
M.S. Mechanical Engineering, University of Washington (2002)
%Traffic Crash Reconstruction+course, IPTM, University of North Florida (2001)
Basic and Advanced Accident Investigation, Washington State Criminal Justice Training Commission
NAFI Fire Investigation
Investigation of Appliance Fires
Continuing education courses in accident reconstruction, commercial vehicle accident investigation; total station/crime scene mapping, Investigation of Electrical Fires, Arctic Engineering, National Electric Code workshops.
Instructor for Washington & Oregon Chapter IAAI, Investigating Electrical Fires (May 2004, Sep 2006)
Instructor for Washington Chapter IAAI, Investigating Gas & Electrical Fires (May 2007)

PROFESSIONAL ASSOCIATIONS

Washington Association of Technical Accident Investigators (WATAI)
Society of Automotive Engineers (SAE)
National Association of Fire Investigators (NAFI)
Institute of Electrical & Electronic Engineers (IEEE)
International Association of Arson Investigators (IAAI)

PUBLICATIONS

Masters Degree Thesis: %A Comparison of the Performance of a Large Snow Machine Equipped with Three-Inch Carbides and no Studs versus a large Snow Machine Equipped with Studs and Six-Inch Carbides on Hard-Packed Snow and Ice.+
Moore, P.J. & Putaansuu, N.D., %A Comparison Study of Non-Contact Distance Measurement Tools+, *Fire and Arson Investigator*, 57:1, 40-42, 2007.