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Todd D. Hoover

Specialized Professional Competence

- Risk analysis of mechanical designs including identification of failure modes, assessment of consequences of failure, quantification of actual risk for use of existing systems, and projections of risks for systems under consideration.
- Computer aided engineering and computer modeling of design.
- Vehicle and motorcycle dynamic testing and simulation, vehicle parameter measurement, simulation evaluation, and instrumentation.
- Crash reconstruction and failure analysis.
- Testing and evaluation of vehicle and motorcycle crashworthiness, air bags, and automotive chassis systems; computer aided engineering, and design verification.
- Risk analysis of mechanical designs including the identification of failure modes and assessment of consequences of failure.

Professional Qualifications

- Bachelor of Science (Electrical Engineering), University of Houston, 1994
- Associate Degree of Applied Sciences in Electronic Technology
Williamsport Area Community College, 1985
- Graduate Engineer,
Tandy Engineering & Associates, Inc.- 2002 to Present
- Graduate Engineer,
Carr Engineering, Inc.- 1993 to 2002
- Associate Member, Society of Automotive Engineers
- Associate Member, National Association Of Professional Accident
Reconstruction Specialists, Inc. (N.A.P.A.R.S.)
- Lifetime Member, American Motorcycle Association