

Nicholas J. Durisek, Ph.D., P.E.

Specialized Professional Competence

- Crash reconstruction and failure analysis.
- Vehicle dynamics, vehicle electronic stability control, vehicle dynamics testing and simulation, vehicle parameter measurement, and advanced chassis systems.
- Design, testing, and evaluation of vehicle crashworthiness and airbag deployment; computer aided engineering, computer modeling of design, and design verification.
- Risk analysis of mechanical designs including the identification of failure modes and assessment of consequences of failure.

Professional Qualifications

- Doctor of Philosophy, Mechanical Engineering, The Ohio State University, 1997
Dissertation: *Simultaneous Overall Measurement Uncertainty Reduction for Multi-Parameter Macro-Measurement System Design*
- Master of Science, Mechanical Engineering, The Ohio State University, 1993
Thesis: *Conceptual Design of a Vehicle Inertia Measurement Facility (VIMF)*
- Bachelor of Science, Mechanical Engineering, The Ohio State University, 1992
- Dynamic Analysis Group LLC, Principal Engineer – 2007 to present
- Tandy Engineering & Associates, Inc., Engineer – 2003 to 2007
- S.E.A., Inc. (SEA, Ltd.), Senior Project Engineer – 2001 to 2003, Researcher (part-time) – 1993 to 1995
- Ford Motor Company (Jaguar Cars, Ltd.)
Senior Project Engineer / Program Analyst – 1999 to 2001
Product Development Engineer – 1997 to 1999
- The Ohio State University, Department of Mechanical Engineering
Graduate Research Associate/Graduate Teaching Associate – 1993 to 1996
- Battelle Memorial Institute, Chemical Warfare Defense, Researcher – 1990 to 1992
- Professional Engineer: Alabama Registration No. 28024-E, Ohio Registration No. 66693, South Carolina Registration No. 22899, Texas Registration No. 104523
- Memberships: American Society for Engineering Education (ASEE); American Society of Mechanical Engineers (ASME); Society of Automotive Engineers (SAE), Ohio Society of Professional Engineers (OSPE), National Society of Professional Engineers (NSPE)
- Honors and Awards: University Fellowship, DuPont Fellowship, Tau Beta Pi, Pi Tau Sigma, Phi Kappa Phi, Golden Key National Honor Society