

Angela B. Stubbs
Senior Associate

Professional Profile

Ms. Angela B. Stubbs is a Senior Associate based in Exponent's Test and Engineering Center in Phoenix, Arizona. Ms. Stubbs addresses issues primarily related to vehicle dynamics and accident reconstruction, including testing and analysis of vehicle handling and vehicle stability. Her range of experience includes work with automobiles, light trucks/SUVs, and ATVs. Ms. Stubbs has experience with instrumentation and data analysis, and has completed handling demonstrations, vehicle stability evaluations, and static stability characterization tests. Her experience includes conducting vehicle roll spit demonstrations and sled tip-up tests. Finally, she has utilized three-dimensional survey measurement systems to create vehicle profiles for crush analysis, and at site inspections to create three dimensional environments for accident reconstruction purposes.

Prior to joining Exponent, Ms. Stubbs worked in manufacturing for a medical devices company as a manufacturing engineer, safety engineer, and line supervisor. She also worked as an operations manager in the medical device company's field service business. Then Ms. Stubbs worked as a contract engineer to the Army testing military helicopter weapon and sensor systems. Most recently Ms. Stubbs was a Graduate Student Instructor for a vehicle ride and handling course at the University of Michigan and a summer intern at Ford Motor Company working at their crash barrier.

Academic Credentials and Professional Honors

M.E., Automotive Engineering, University of Michigan, 2005

B.M.E., Mechanical Engineering, Georgia Institute of Technology (*with highest honor and co-op designation*), 1996

Ford Fellowship recipient, University of Michigan; Tau Beta Pi; Pi Tau Sigma

Licenses and Certifications

Engineer-in-Training, Georgia, #018258

Additional Education

Northwestern University Center for Public Safety, Traffic Accident Reconstruction, Phoenix, AZ, September 24–28, 2007.

Engineering Dynamics Corporation, HVE Forum, San Antonio, TX, February 26-March 2, 2007.

Publications

Larson RE, Fowler GF, Kuzel M, Stubbs A, Brown J, Donelson AC. Single-vehicle rollovers involving an initial off-roadway excursion followed by a return to roadway: A NASS study and vehicle response measurement. SAE 2008-01-0159, World Congress, Society of Automotive Engineers, 2008.

Pierce J, Carhart M, Bare C, Blakeslee A, Heald J. Retention characteristics of production laminated side windows. SAE 2007-01-0376, SAE World Congress, Society of Automotive Engineers, Warrendale, PA, 2007.

Prior Experience

Graduate Student Instructor, University of Michigan, Winter and Fall 2005

Crash Barrier Intern, Ford Motor Company, Summer 2005

Test Director, ECIII, LLC (U.S. Army Yuma Proving Ground), 2003–2004

Operations Manager, GE Healthcare, 1998–2003

Technical Leadership Program Manufacturing/Sourcing – Sourcing Six Sigma Project Leader,
Production Team Leader, Manufacturing Process Engineer, Environmental/Health/Safety
Engineer, GE Healthcare, 1996–1998

Professional Affiliations

- Society of Automotive Engineers (member)
- Society of Women Engineers (member)