

David Stillman
Senior Associate

Professional Profile

Mr. David Stillman is a Senior Associate in Exponent's Vehicle Engineering practice at the Test and Engineering Center (TEC) in Phoenix, Arizona. Mr. Stillman addresses issues related to vehicle dynamics and accident reconstruction, including testing and analysis of vehicle handling and vehicle stability. His range of experience includes work with automobiles, light trucks/SUVs, and ATVs. Mr. Stillman has conducted multiple full-scale vehicle tests, including crash tests, CRIS tests, roll spit tests, sled tests, inverted drop tests, quasi-static tests, braking and handling tests, handling demonstrations, vehicle stability evaluations, and static stability characterization tests. He is experienced with surrogate work, test fixture design, instrumentation, and component-level testing of vehicle systems and other mechanical systems. He is familiar with the Federal Motor Vehicle Safety Standards (FMVSSs). Mr. Stillman has conducted multiple vehicle inspections as well as utilized a Vulcan measurement system to measure three-dimensional profiles for crush analysis. He has conducted multiple accident scene inspections, surveying the topography with a Leica total station to create a three-dimensional environment in AutoCAD for accident reconstruction purposes.

Academic Credentials and Professional Honors

M.B.A., Kettering University, 2010
M.S., Engineering Management, Kettering University, 2005
B.S., Mechanical Engineering, Kettering University, 2004

Licenses and Certifications

Traffic Accident Reconstruction, Northwestern University Center for Public Safety, 2007

Publications

Welch TDJ, Bridges AW, Gates DH, Heller MF, Stillman D, Raasch CC, Carhart MR. An evaluation of the BioRID II and Hybrid III during low- and moderate-speed rear impact. SAE Technical Paper 2010-01-1031, in press.

Professional Affiliations

- Society of Automotive Engineers (member)
- American Society of Mechanical Engineers (member)