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Engineering & Scientific Consulting

Daniel Davee

Principal | Vehicle Engineering
23445 North 19th Ave | Phoenix, AZ 85027
(623) 587-4170 tel | ddavee@exponent.com

Professional Profile

Mr. Davee specializes in mechanical design, manufacturing, regulatory compliance, and performance issues related to automotive occupant restraint systems. His research includes analysis of occupant restraint performance as it relates to seat belt assemblies and supplemental restraint systems.

Academic Credentials & Professional Honors

M.S., Mechanical and Reliability Engineering, University of Arizona, 1973

B.S., Mechanical Engineering, University of Arizona, 1971

A.S., Engineering Science, State University of New York, Farmingdale, 1969

Prior Experience

Reliability Engineer, Breed Technologies, Inc., 1997-1998

Reliability Engineer, AlliedSignal, Inc., 1989-1997

Manager of Reliability and Metrology, Kelsey Hayes Company, 1977-1989

Reliability Engineer, Eaton Corporation, 1973-1977

Professional Affiliations

American Society for Quality Control (Reliability Registration #1293)

Society of Automotive Engineers

Publications

Van Arsdell WW, Weber P, Stankewich C, Davee D, Moralde M. Buckle-latch insertion force and belt tension in everyday driving. SAE 2011-01-0267, 2011.

Raasch C, Davee D, Luepke P. Seat belt entanglement in rollover accidents: Physical evidence and occupant kinematics. SAE 2008-01-1237, 2008.

Davee D, Van Arsdell WW, Raasch C, Moralde M. Seat belt buckle release by inadvertent contact. SAE

2008-01-1236, 2008.

Davee D, Brown J, Raasch C. Case study of clothing fabric transfer to seat belt webbing under accident forces. SAE 2006-01-09-04, 2006.

Davee D, Van Arsdell W, Raasch C. Minimal effect of amplified vehicle accelerations on seat belt buckle resistance to inertial release. SAE 2004-01-0854, 2004.