

SEAN SHIDEH, P.E.

19167 Harliss Street

Northridge, CA 91324

818-276-5995 (seanshideh@gmail.com)

AUTOMOTIVE/MECHANICAL ENGINEER

- Vehicle safety performance and quality evaluation/improvement
- Quality audit of Nissan and suppliers' manufacturing plants.
- Vehicle component testing and failure analysis
- Structural and mechanical component testing
- Chassis/Brake incident investigation
- Product liability/ accident investigation & reconstruction
- Automotive barrier crash testing - NHTSA compliance tests

WORK EXPERIENCE

Consulting Engineer, Expert Witness July, 2006 to present

Research Engineer specializing in vehicle product liability. Provide litigation related consulting on vehicle/machinery related accidents.

Nissan North America (June 2003-July 2006) Task Force Manager

Task Force manager: Responsible for the launch and quality improvements of the new full-size Titan/Armada/Infiniti QX56 truck and SUVs; Investigated field incidents, Conducted quality audits of Nissan and suppliers manufacturing plants.

Nissan North America (1998-2003) Principal Engineer

Engineering investigations-Chassis & Brake Group; Leading the chassis engineering group in identifying and improving chassis and brake related concerns; Conducted customer surveys and worked with dealers, vendors, to improve quality and reduce warranty costs.

Nissan North America (1994-1998) Senior Engineer - Engineering Investigations

Responsible for investigating vehicle quality concerns; Prepared reports to plant and design departments in US and Japan, recommending improvements/modifications on issues identified; Traveled extensively (Japan and US) to conduct inspection and surveys on incidents related to vehicle quality, safety, and customer satisfaction; Evaluated pre-production vehicles in Japan and US to identify quality issues related to US market experience and expectations; Worked with Japanese design and manufacturing staff to resolve quality concerns.

Nissan Motor Corp. (1990-1994) Senior Engineer - Technical Compliance

Vehicle Safety Defect Investigation; Monitored vehicle compliance

issues and implemented recall campaigns; Responded to government and customer inquiries relating to vehicle safety concerns; Interfaced with regulatory agencies such as the National Highway Traffic Safety Administration

Self-Employed, Consulting Engineer (1988-1990)

Accident Analysis and Reconstruction; Vehicle Component Failure

Analysis and Evaluation; Fire Investigation; Occupant Kinematics; Seat Belt, Air Bag and Brake Tests; Failure Analysis in Mechanical and Machinery Products; Court Room Testimony

Automobile Club of Southern California, Automotive Engineer (1985-1988)

Engineering responsibilities with focus on vehicle safety technology; Conducted vehicle performance evaluation and safety defect investigations; Liaison with government, industry, universities, research organizations, media and consumer groups; Prepared policy proposals, contracts and reports; Required to make oral presentations in meetings, discussion groups and seminars

Tri-Star Electronics (1984-1985)

Mechanical Design Engineer - Designed an automatic wire processing machine for aerospace industries; Designed an automated feeding machine to speed assembly of integrated circuits for Texas Instruments

Mobility Systems and Equipment Company (1981 - 1984)

Conducted federal motor vehicle safety compliance tests; Performed full-scale automotive crash tests and documentation (FMVSS 208, 105, NCAP, etc.); Performed accident reconstruction; Developed automobile testing systems and procedures for the Department of Transportation (NHTSA, FHWA)

EDUCATION

1981, B.S. - Aerospace/Mechanical Engineering, University of Arizona

Registered Professional Mechanical Engineer (Calif. Certificate # 26429)

PERSONAL

Married with three daughters; Member of the Society of Automotive Engineers since 1986; Author of numerous technical reports and research notes; Woodworking hobbyist, designing/crafting fine woodworking projects