

DANIEL M. DESAUTELS



Specialized Professional Competence

Motor vehicle, commercial product, and industrial equipment accident investigation and reconstruction. Retrieval and analysis of data from onboard automotive data recorders. Computer simulation and analysis of vehicle collisions. Static and dynamic test design, video and data acquisition and analysis. Analysis and design of dynamic systems.

Background and Professional Honors

B.S. with High Honors (Mechanical Engineering), University of California, Davis
M.S. (Mechanical Engineering), Stanford University

Engineer,
 Talas Engineering, Inc.
Intern,
 Autodesk, Inc.

Registered Professional Mechanical Engineer, California #M35800

Certified Crash Data Retrieval System Technician and Data Analyst

Memberships

Member, Tau Beta Pi (National Engineering Honor Society)
Member, American Society of Mechanical Engineers
Member, Society of Automotive Engineers

Awards

Regents' Scholarship, University of California, Davis

Selected Publications and Presentations

“Driver Perception of a Loose Rear Wheel,” SAE Technical Paper 2010-01-0050, SAE International 2010 World Congress, Detroit, Michigan, April 12, 2010 (with K. White and R. Merala).

“Occupant kinematics in locomotive low-speed impacts,” Annual Meeting of the American Society of Biomechanics, Penn State University, August 2009 (with E.R. Serina, F.J. Peterson, and K. White).

“The Turbo Generator,” Critical Design Review, University of California, Davis, Davis, CA, June 2007 (with A.P. Serra, et al.).