



KIRSTEN WHITE

Specialized Professional Competence

Biomechanics of human injury. Kinematics and kinetics of human movement. Computer simulation and analysis of occupant kinematics. Motor vehicle, recreational equipment, and industrial equipment accident reconstruction. Computer simulation and analysis of vehicle collisions. Static and dynamic experimental test design, high speed video, data acquisition and analysis. Medical products testing and analysis.

Background and Professional Honors

B.E. (Hons) (Mechanical Engineering), Adelaide University
M.S. (Biomechanical Engineering), Stanford University

Managing Engineer,
Talas Engineering, Inc.
Managing Engineer,
Piziali and Associates, Inc.
Research Officer,
Road Accident Research Unit, Adelaide University
Internship,
Australian Submarine Corporation

Registered Professional Mechanical Engineer, California, #M35194

Memberships

Member, Society of Automotive Engineers
Member, American Society of Mechanical Engineers

Awards

Stanford Graduate Fellowship
Top Student in Mechanical Engineering, Adelaide University
IEE Prizes, Most Outstanding Female Engineering Student, Adelaide University
IEE Prizes, Manufacturing Prize, Adelaide University
Australian Submarine Corporation Scholarship

Selected Publications and Presentations

“Tractor Semitrailer Left Turns and Lane Changes,” SAE Technical Paper 2010-01-0049, SAE International 2010 World Congress, Detroit, Michigan, April 2010 (with R. Merala).

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

“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 D. Desautels).

“The development of a protective headband for car occupants,” Australian Transport Safety Bureau, Canberra, 2000 (with R.W.G. Anderson and A.J. McLean).

“The pedestrian friendliness of popular cars sold in Australia : a report on the results of preliminary subsystem tests,” Department of Transport and Regional Services, Canberra, Australia, 2000 (with R.W.G. Anderson, L.D. Streeter, A.J. McLean and M. Van de Griend).