HANHTRINH LE

Specialized Professional Competence

Biomechanics of human injury and accident reconstruction of motor vehicle collisions, recreational and industrial incidents. Kinematics and kinetics of human movement. Computer simulation and analysis of vehicle dynamics and occupant kinematics. Testing and evaluation of mechanical systems, including elevators and occupational environments. Experimental testing design, data acquisition, and analysis. Orthopedic biomechanical testing, stereology, and histomorphometry.

Background and Professional Honors

S.B. (Mechanical Engineering), Massachusetts Institute of Technology
M.S. (Biomechanical Engineering), Stanford University

Managing Engineer,
Talas Engineering, Inc.
Manager,
Exponent, Inc.
Managing Engineer,
Piziali and Associates, Inc.
Mechanical Engineer,
Lockheed Martin Missiles & Space, Satellite Mechanisms Design and Analysis

Memberships

Member, SAE International (Society of Automotive Engineers)

Selected Publications and Presentations

"Injury Biomechanics in Forensic Investigations," Annual Lecture, Stanford University, Department of Aeronautics and Astronautics, 2012-2016.

"Planar Motor Vehicle Collisions," *Biomechanical Investigation of Human Injury*, Lecture, 52nd Annual Conference of the Association for the Advancement of Automotive Medicine (San Diego, CA), 2008.

"Physical Evidence Associated with Seatbelt Entanglement During a Collision," *SAE Paper No. 2007-01-1501*, 2007 (with E. Raphael, R. Piziali, J. Hinger, E. Cooper, and J. Croteau).

"Effects of Combined Prostaglandin and Alendronate Treatment on the Histomorphometry and Biomechanical Properties of Bone in Ovariectomized Rats," *J Bone Miner Res*, 8(7), 1993 (with D.B. Lauritzen, R. Balena, M. Shea, J.G. Seedor, A. Markatos, *et al.*).