



46475 Desoto Ct.
Novi, MI 48377
Phone: (248) 668-5516
Fax: (248) 668-3460
rgregg@dreng.com

Richard H. Gregg

Professional Specialization

Forensic analysis and research of automotive restraint systems, including seat belts, air bags, seats, and child restraints. Accident reconstruction and impact biomechanics analysis.

Past experience includes designing process for inspecting vehicles for comparative analysis and reverse engineering of the vehicle environments; demonstrations and impact testing with vehicles and anthropomorphic test devices; performing surrogate/exemplar studies for analysis of restraint use or non-use, and occupant kinematics; developing optimization software that used biofidelic human body models and biomechanical force models to analyze or design vehicle packages and seats for improved safety and comfort; and consulting to manufacturers with respect to seat comfort, accommodation, and compliance with Federal Motor Vehicle Safety Standards, including 202a, 210 and 225.

Education

Ph.D. Student (Biomedical Engineering), Wayne State University
M.S. (Biomedical Engineering), Wayne State University
B.S. (Mechanical Engineering), Kettering University (formerly GMI)
Traffic Accident Reconstruction, Northwestern University Traffic Institute

Professional Background

Senior Project Engineer

Design Research Engineering, Novi, Michigan
2011 - Present

Project Engineer

Design Research Engineering, Novi, Michigan
2008 - 2011

Manager

Ergonomics Research Laboratory, Lansing, Michigan
2005 - 2008

Biomechanical Engineer

Ergonomics Research Laboratory, Lansing, Michigan
2000 - 2005

Engineer

M. P. Holcomb Engineering, Rochester Hills, MI
1995 - 2000

Engineer (Co-op Student)

CSX Transportation, Jacksonville, FL
1993 - 1995

Professional Affiliations

Member, Association for the Advancement of Automotive Medicine (AAAM)

Member, Society of Automotive Engineers (SAE)

Technical Paper Reviewer:

SAE Occupant Restraints and Biomechanics

SAE International Journal of Transportation Safety