

**H. JOHN MILLER, Ph.D., PE**  
Biomechanical Engineering & Patent Consultant

Miller Biomechanical Forensics, LLC  
www.MillerForensics.com  
1808 James L. Redman Pkwy, Ste 163, Plant City, FL 33563  
MillerBiomech@gmail.com  
586-945-4592

Dr. Miller, a Biomedical, Mechanical, and Manufacturing Engineer, has worked in the areas of crashworthiness, occupant safety, injury causation, product design, manufacturing processes and new concept development for 30 years. He holds over 30 patents and has several peer reviewed publications in the safety and occupant injury field. His affiliations include Children's Hospital of Michigan, Harper University Hospital, and the University of Michigan Hospital. Dr. Miller is also a member of the Engineering Advisory Board of Directors for Lawrence Technological University.

Areas of specialization include:

- Impact Biomechanics and Injury Causation
- Seat, Seatbelt and Airbag Performance
- Vehicle and Scene Investigations
- Mechanical Systems Design and Manufacture

Dr. Miller has provided research, expert analysis, and testimony in product litigation involving General Motors, Ford, Chrysler, Toyota and many other notable clients. He has performed medical record reviews, event/occupant surrogate studies, occupant kinematic reconstruction, vehicle and scene investigations and crash testing in support of expert opinions.

**EDUCATION**

Northwestern University Traffic Accident Reconstruction  
Post-Doctoral Fellowship Crash Injury Research Network (CIREN)  
University of Michigan Trauma Center, 2003-2004  
Ph.D., Biomedical Engineering, Wayne State University, 2003  
M.S., Biomedical Engineering, Wayne State University, 2002  
M.S., Engineering, Purdue University, 2000  
B.S., Mechanical Engineering, Lawrence Technological University, 1990

**LICENSED PROFESSIONAL ENGINEER (P.E.)**

Florida (64238)

Has been certified by the National Council of Examiners for Engineering and Surveying (NCEES) Certified Engineer

**PROFESSIONAL AFFILIATIONS/HONORS**

Lawrence Technological University Engineering Advisory Board of Directors  
AlliedSignal Technical Achievement Award, 1995  
International Body Engineering Conference (IBEC) Body Innovation Award, 1995  
Harper University Hospital/Wayne State University - Joint Research  
Children's Hospital of Michigan/Wayne State University - Joint Research  
University of Michigan Hospital - Research Fellow  
Society of Automotive Engineers (SAE)  
American Society of Mechanical Engineers (ASME)  
National Society of Professional Engineers (NSPE)  
Florida Engineering Society  
Tau Beta Pi Honor Society  
SAE Seatbelt Systems Standards Committee (committee now retired)