

**Matthew S. Wood, M.S.**  
**ACTAR #2456**

**Professional Profile**

Matthew Wood specializes in computer-based accident reconstruction and simulation, and mechanical system analysis. He has experience in investigation and reconstruction of accidents involving all types of vehicles, including on-road and off-road vehicles, recreational vehicles, bicycles, motorcycles, lifts, cranes, and other heavy equipment. Mr. Wood also specializes in inspection and analysis of vehicular damage, and evaluation of restraint systems, protective gear, and other injury mitigation devices. He has determined physical properties and failure mechanisms of automotive components and other consumer products. Mr. Wood also has experience in the following areas: Automotive (design; construction; maintenance; repair); Manufacturing processes (machining operations; welding methods; cutting, forming and finishing operations); and Bicycle/Motorcycle (design; construction; maintenance; repair).

Mr. Wood also served as a research assistant to InSciTech, Inc., during the final year of his graduate study investigating biomechanics topics including watercraft accident-related injuries, and automotive accident-related injuries.

**Credentials and Professional Affiliations**

B.S. (Mechanical Engineering), Santa Clara University, 2003  
M.S. (Engineering Management), Santa Clara University, 2006  
E.I.T. Certificate No 125681, California Board for Professional Engineers and Land Surveyors, 2006  
ACTAR Accredited Reconstructionist, 2011

Member, American Society of Mechanical Engineers  
Member, Society of Automotive Engineers  
Member, California Association of Accident Reconstruction Specialists

**Seminars**

PC-Crash Workshop - MEA Forensic Engineers & Scientists, 2008

54<sup>th</sup> Annual Meeting of the Human Factors and Ergonomics Society, 2010  
SAE Event Data Recorder Symposium, 2011  
Acceleration and Vericom Familiarization Training – Vericom Computers Inc.,  
2012

### **Publications**

Wood, M., Ayres, T., Kelkar, R. & Khatua, R. (2010). Walking and jogging: An analysis of pedestrian stopping times and distances. *Proceedings of the 54<sup>th</sup> Annual Meeting of the Human Factors and Ergonomics Society.*

### **Presentations**

Wood, M. & Kennett, K. Vehicle Technology & Injury Mitigation Update. *Proceedings of the 2011 Georgia Insurance Law Institute – Continuing Legal Education.*