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KATIE P. LOGSDON, ASSOCIATE

EXPERIENCE

- Peter R. Thom and Associates Inc., Accident Reconstruction and Failure Analysis, 2013 – Present.
- US Army Aeromedical Research Lab, Ft. Rucker, AL, Warfighter Protection Division, Injury Biomechanics Branch, Test Engineer, 2006 – Present. Assists in the development of test methodologies for protective equipment to prevent and mitigate injury to soldiers and aircrew. Protective equipment includes aircrew helmets, inflatable restraint systems (airbags), conventional occupant restraint devices, infantry and combat vehicle crewmen helmets, and crashworthy seating systems.
- Southern Impact Research Center, Knoxville, TN, Research Engineer, 2005. Conducted Standards review and drafted new standards for protective/sporting goods equipment.
- Southern Impact Research Center, Knoxville, TN, Graduate Assistant, 2002 – 2005. Performed research for various projects including design of experiments, novel and non-standardized protocol in an effort to solve engineering problems related to products and human injury tolerance.
- Engineering Fundamentals Division, University of Tennessee, Knoxville, TN, Graduate Teaching Assistant, 2002 – 2004.
- Biomechanics Impact Research Center, University of Tennessee, Knoxville, TN, Laboratory Assistant, 2000 – 2002.

EDUCATION

- University of Tennessee, Knoxville, TN, MS in Industrial Engineering/Human Factors – Ergonomics. Thesis: Evaluation of the Effects on Human Performance Characteristics and Peak Head Accelerations with the Use of Various intra-oral Appliances.
- University of Tennessee, Knoxville, TN, BS in Biomedical/Biomechanical Engineering.

SELECTED PROFESSIONAL PUBLICATIONS

- McEntire, BJ, Padgett, KL. Blunt Impact Performance of the US Marine Corps Light Weight Helmet (LWH) and the US Army Advanced Combat Helmet (ACH) with Fielded and Alternative Fitting Systems. Fort Rucker, AL: USARRL Technical Memorandum, December 2006.
- Brozoski, FT, Padgett, KL, and Lindsey, JR. Impact Protection Assessment of the Redesigned Oregon Aero Zetaliner Fitting System in the HGU-56/P Aircrew Integrated Helmet (AIHS). Fort Rucker, AL: US Army Aeromedical Research laboratory. USAARL Report 2008-07.
- Vasquez, Logsdon, Brozoski, Chancey. Warrior Injury Assessment Manikin (WIAMan) Medical Injury Analysis. 2012-02.
- Parker, Brososki, Meeks, Logsdon. Helmet Impact Test Standards – What They Tell Us About Helmet Performance and Protection. SAFE Symposium, 2012-10.

Katie P. Logsdon