

G. TALLEY HOLMAN

9806 Calamar CT
Louisville, KY 40241

Tel: (229) 308-0794 (mobile)
E-mail: gtholman@gmail.com
Email: talley.holman@louisville.edu

EDUCATION

Auburn University, Auburn, AL,

Ph.D. in Industrial & Systems Engineering, 2007

Specialization: Occupational Injury Biomechanics, Human Factors, Ergonomics & Safety

Advisor: Dr. Robert E. Thomas

Dissertation: 'Patient Handling: Conditions & Restrictions'

M.S. in Industrial & Systems Engineering, *Advisor:* Dr. Brian J. Carnahan, 2004

M.B.A., *Advisor:* Dr. Michael LaTour, 2004

Georgia Southern University, Statesboro, GA,

B.S., Physics, 1995

B.S. in Manufacturing, Industrial Management (Lean Manufacturing), 1995

RESEARCH INTERESTS

1. Analysis and quantification of healthcare environments and procedures for error reduction, layout redesign, and development of environmental design standards.
Current Research: A risk assessment of ambulatory medication use of patients transitioning from hospital discharge back to primary care clinics to reduce the potential for patient harm. Grant: K08 HS17014-01 (NIH/AHRQ) Pi: Wetterneck
Dissertation Research: Biomechanical, human factors and ergonomics assessment of working in restricted or confined spaces (other application: vehicle design, evacuation modeling, general industry, etc).
2. Expanding human factors and biomechanical constraints of building and public transportation evacuation models.
3. Development of a human biomechanical coefficient for use in industry optimization models and simulations.

PUBLICATIONS

Journal Articles:

1. Holman, G.T., Thomas, R.E., and Brown, K, 2009, A Health Comparison of Alabama Nurses versus U.S. and Canadian Normative Populations, *Journal of Orthopaedic Nursing*, (In Press).
2. Holman, G.T., Ellison, K.J., Maghsoodloo, S., and Thomas, R.E., 2009, Nurses' Perceptions of How Job Environment and Culture Influence Patient Handling, *Journal of Orthopaedic Nursing*, (In Press).
3. Holman, G.T., Davis G.A., and Maghsoodloo, S., 2008, Effect of Dynamic Reach on Seated Reach Arcs, *Ergonomics*, 51(5), 691-701.
4. Holman, G.T., Carnahan, B.J., and Thomas, R.E., 2006, Using Surveys to Identify Stressors in Generalized Jobs, *International Journal of Industrial Ergonomics*, 36, 671-7.

