REVIEWER FOR

International Journal of Industrial Ergonomics
Occupational Ergonomics
Journal of Safety Health & Environmental Research
Safety and Health at Work

PROGRAM EVALUATOR FOR

ABET Applied Science Accreditation Commission

PUBLICATIONS

Peer-Refereed Journal Publications


Book Chapters


Publications Submitted/in Preparation

Yuan L, Buchholz B. The effects of position and size of drywall on the physical demands for installers. Applied Ergonomics. (in preparation)
Peer-Reviewed Conference Proceedings

Yuan L, Buvens M. Ergonomic Evaluation of Scaffold Building. The 6th International Conference on Applied Human Factors and Ergonomics (AHFE 2015), Las Vegas, NV.

Yuan L. Engaging OSH&E Students in Research through a Research and Development Course. The American Society of Safety Engineers’ Professional Development Conference & Exposition 2015 (Safety 2015), Dallas, TX.


Yuan L, Stockman A, Grimes S, Alkadi G. (2009) PATHSoft®: A software system for computerized work sampling-based methodology. Proceedings of the 13th International Conference on Human-Computer Interaction (HCI International 2009), San Diego, CA, USA. (accepted by the conference but not included in the proceedings due to non-participation)


Other Publications

Yuan L, Rosenberg B, Fulmer S. (2005) Having a blast! HeathBeat (Healthcare Practice Specialty Newsletter, American Society of Safety Engineers)


PRESENTATIONS

Peer-Reviewed Conference Presentations


Yuan L. (2011) Demonstrating achievement - Experience from planning for the ABET visit. 2011 ABET Symposium, Indianapolis, IN.


Other Presentations


Yuan L. (2014) Validation of an integrated biomechanical modeling approach to the ergonomic evaluation of drywall installation. The Thirteenth Annual Faculty Conference on Teaching, Research & Creativity in the Center for Faculty Excellence at Southeastern Louisiana University, Hammond, LA.

Kelley B, Yuan, L. (2014) An analysis of grip strength data. The Annual Southeastern Students’ Research, Creative and Scholarly Activities Showcase, Southeastern Louisiana University, Hammond, LA.

Yuan L. (2013) Reducing ergonomic injuries for librarians using a participatory approach. The Twelfth Annual Faculty Conference on Teaching, Research & Creativity in the Center for Faculty Excellence at Southeastern Louisiana University, Hammond, LA.


Yuan L. (2012) Enhancing teaching quality and effectiveness of a library ergonomics training program. The Eleventh Annual Faculty Conference on Teaching, Research & Creativity in the Center for Faculty Excellence at Southeastern Louisiana University, Hammond, LA.


RESEARCH SUPPORT
Current Funding

Past Funding

*Effects of Position and Size of Drywall on the Physical Demands for Drywall Installers*
  CPWR (Center for Construction Research and Training)
  Role: Principal Investigator
  Period Covered: March 1, 2012 - February 28, 2013

*Reducing Ergonomic Injuries for Librarians Using a Participatory Approach*
  NIOSH Southwest Center for Occupational and Environmental Health (SWCOEH)
  Role: Principal Investigator
  Period Covered: July 1, 2010 - June 30, 2011

*Knee Disorders and Occupational Biomechanical Risks - Health Data Analysis and Synthesis*
  NIOSH through UMass Lowell
  Role: Principal Investigator
  Period Covered: May 1, 2009 - August 31, 2009

*Knee Disorders and Occupational Biomechanical Risks - Health Data Analysis*
  NIOSH through UMass Lowell
  Role: Principal Investigator
  Period Covered: July 1, 2008 - December 31, 2008

*Biomechanical Evaluation of Air Stretcher as Alternative for Carpet Knee-kicker (Not physically involved because of relocation)*
  Harvard-NIOSH Education and Research Center (ERC)
  Role: Principal Investigator
  Period Covered: July 1, 2007 - June 30, 2008

*Knee Disorders and Occupational Biomechanical Risks*
  NIOSH
  Role: Project Manager
  Period Covered: September 1, 2006 - August 31, 2009

*Biomechanical Analysis of the Low Back and Shoulder during Drywall Installation*
  Harvard-NIOSH Education and Research Center (ERC)
  Role: Principal Investigator
  Period Covered: July 1, 2005 - June 30, 2006

Submitted/in Preparation

*A Participatory Approach to Improving Ergonomics in Libraries*
  OERC (Office Ergonomics Research Committee)
  Role: Principal Investigator

Ergonomic Evaluation of Drywall Stabilizing Clip
ASSE Foundation
Role: PI
Period Covered: June 1, 2013 - May 31, 2014 (submitted in April 2013 - no funds)

Nerve Stimulus Transfer Device for People with Feeling Loss in Their Feet
Louisiana Board of Regents Industrial Ties Research Subprogram (ITRS)
Role: Co-PI
Period Covered: June 1, 2012 - June 30, 2015 (submitted in November 2011 - rejected)

A Participatory Ergonomics Approach to Reduce Injuries for Librarians
Louisiana Board of Regents Research Competitiveness Subprogram (RCS)
Role: PI
Period Covered: June 1, 2010 - June 30, 2012 (submitted in November 2009 - rejected)

Development of LeanSafe: a Practical Method and Implementation Tool to Assess and Improve Plant Operating Efficiency and Safety
Louisiana Board of Regents Industrial Ties Research Subprogram (ITRS)
Role: Co-PI
Period Covered: May 1, 2009 - May 1, 2012 (submitted in November 2008 - rejected)