



Human Factors and Ergonomics Society

Purdue University Student Chapter

Newsletter

Issue 13-01
Jan 2013

Our Mission

To promote the discovery and exchange of knowledge concerning the characteristics of human beings that are applicable to the design of systems and devices of all kinds.

Special Thanks to:

Our Speakers for 2012 Fall

- Joey So & Harshwardhan Aggarwal (IE Students, Purdue)
- Dr. Robert Proctor (PSYC, Purdue)
- Chris Cox (John Deere)
- Dr. Steve Landry (IE, Purdue)

Honors

2012, Outstanding Student Chapter Gold Award

2011, Outstanding Student Chapter Gold Award

2010, Outstanding Student Chapter Gold Award

2009, Second place in the National Ergonomics Month Best Action Plan Contest

2009, Outstanding Student Chapter Silver Award

2008, Outstanding Student Chapter Gold Award

Executive Board

President: Joey So

Vice President: Sung-hee Kim

Treasurer: Nancy Huang

Secretary: Nicole Murchison

Outreach Chair: Omar Eldardiry

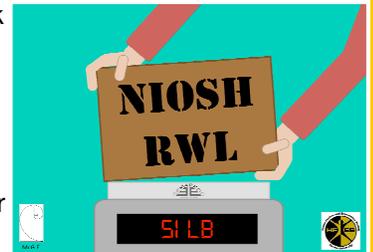
Webmaster: Kerina Su

Communication Director: Jing Chen

Undergrad Representative: Simran Ahuja

Professor donates all of his proceeds from the new NIOSH RWL Apple App to Purdue's HFES.

Do you remember the NIOSH Recommended Weight Limit (RWL) app introduced last semester by Prof. James McGlothlin and his student, Ben Claus? We are very glad to announce that this App is now available at the Apple Store. The NIOSH RWL app is a useful tool for the field and laboratory researcher who requires quick analysis of any lifting job as it relates to risk for back injury. It allows users to quickly perform basic math and unit conversions for jobs that require the use of English or Metric units. To locate this NIOSH App in Apple Store, you can search by the following keywords: Weight Limit, Back Injury Prevention, Worker Safety, Manual Material Handling.



This app costs \$2.99 per download, Prof. McGlothlin is very generous to donate his total profit per download (i.e., 1/3 of the total cost) to support our chapter's activities. Please help spread the word to others about this wonderful app. The more downloads we have, the more income our chapter receives.

If you have any comments or suggestions concerning this app, feel free to contact Ben Claus at raesoftware@gmail.com.

Chapter Awards in HFES 2012!

The Purdue Student Chapter of the Human Factors and Ergonomics Society (HFES) is proud to announce the receipt of yet another **Gold Chapter Award** from the national organization during the 2012 HFES 56th Annual Meeting! This award is earned by chapters that demonstrate excellence in the categories of guest speakers, field trips, outreach, collaboration, service to HFES national, social, newsletters, website, and creativity.



In addition, the Purdue Chapter was the winner of National Ergonomics Month (NEM) Best Action Plan contest this year, where the NEM is targeted at promoting human factors/ergonomics to the general public through outreach and community service. Also, three students from School of IE, Joey So, Julian Archer and Jing Chen (PhD Students) each received a \$700 HFES Cognitive Engineering, Decision Making Technical, and Perception and Performance Group Student Travel Award.



The 2nd HFES Purdue Alumni Dinner was held successfully during the HFES Annual meeting, providing a wonderful opportunity to network among alumni, professors and current students.

Highlights of 2012 Fall Activities!



Field Trip to John Deere Factory in Moline, 8/17



Picnic with Aviation Grad Council, 10/01



Field Trip to Purdue Envision Center, 11/14



"Find HFES Xmas ornament" competition, Dec

Chapter Members Spotlight– Jing Chen

Jing Chen is a PhD student in the Department of Psychological Sciences and Master's student in the School of Industrial Engineering. In 2010, she became a member in Proctor's Lab, where she has been working with Professor Robert Proctor.

Jing's research interests are in Human Perception and Performance and Human-Computer Interaction. Her research has focused on how task-irrelevant information influences human performance, and how to apply basic psychological principles to system interface design.

Jing had been a TA for IE/PSY 577 Human Factors in Engineering for 2 years before she started to work as an RA on the projects of user-centered security design for Android apps and intuitive design for scrolling on non-touch screens. She enjoys doing these multi-disciplinary projects, and her multi-disciplinary interests made her a student in both Psych and IE.



Chapter Members Spotlight– Gaurav Nanda

Gaurav Nanda is a third year PhD student in the School of Industrial Engineering at Purdue University. He hails from Patna, India and obtained his Bachelors and Masters Degree from Indian Institute of Technology Kharagpur.

Before joining the PhD program, he worked for five years designing and implementing large-scale software systems. During this time he realized the importance of collaboration in efficiently managing the organizational data for reuse. He believes that smart data mining algorithms along with social networking techniques can be used for effectively capturing, storing and reusing organizational knowledge. This inspired him to work with Prof Mark Lehto in the area of collaborative knowledge management in a large enterprise scenario. Gaurav hopes to complete his PhD on schedule, and wants to continue his research in an academic environment after his PhD.

