The Puget Sound Human Factors and Ergonomics Society presents:

2016 Occupational Ergonomics Symposium

Themes:
Organization of Future Work Space, Advanced Manufacturing and Success Stories

September 15, 2016
Emerald Downs
Auburn, Washington

PSHFES Board Members

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To register for the symposium visit the PSHFES web page:
www.pshfes.org
or contact
Trevor Bryant, Treasurer
treasurer@pshfes.org

Annual Membership based on calendar year is:
Full Member - $28.00
Full Student Member - $14.00

Membership Inquiries:
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2016 Symposium - Keynote

Title: Re-Humanizing Human Institutions
Keynote Speaker: John Nance, JD, ABC Analyst, Professional Speaker, Author, Consultant

Since the onset of the Industrial Revolution in the mid 19th Century, all modern societies have struggled to make things more efficient in human institutions by finding ways of removing human-caused uncertainties and vulnerabilities. Unfortunately, that was the wrong path, as over-automation efforts in aviation continue to demonstrate. In extremely complex professions, such as healthcare, the challenge has been (and is) fully embracing and institutionally understanding our human failings. Indeed, the staggering preventable death toll in American hospitals of 440-thousand per year will not change until we learn these lessons. Join John Nance as he shares his insight on these topics and more.

Time: 8:00 a.m. to 4:30 p.m.
Cost (before August 18): $160
Cost (after August 18): $210
Includes continental breakfast, hot lunch and snacks

2016 Symposium - Speakers

Where is the Office of the Future?
Traditional “office work” is disappearing, or at least changing due to an evolution in technology and the emerging workforce. Today, “work” occur in cars, hotels, airports, home offices and coffee shops. This series of presentations will challenge the audience to consider designs for the mobile workforce, impact to risk management and social implications.

Moderator: Bruce Coulter
Speakers:
• Bruce Coulter, Ergonomist, CPE; WA L&I
  • Discuss how the internet is changing service work in new and interesting ways.
• Julia Payne Cooper; HOK and Chris Lowe, CAE; Intellifactors
  • Consider how the physical environment & design help workers excel in an ever-changing world.
• Ninica Howard, Ergonomist, CPE; WA L&I
  • Examine the social and productivity implications of increased mobility on traditional office work.

Success Stories in Industry
Applying the basic principles of human factors and ergonomics to problems in the service, retail and manufacturing environments can yield a workplace that is safer, more productive and more enjoyable. These success stories highlight our premise.

Moderators: Ernesto Carcamo
Speakers:
• Jeremy Fanning, Cascades Sonoco
  • Ask the process engineer who developed the ergonomics improvement plan what was needed to launch and sustain it.
• Megan Wagstaff, Lady * Yum
  • Examine the business reasons used to investigate ergonomics solutions in the fresh bakery industry.
• Janet Hyre, Washington State Dept. of Ecology
  • Discuss key elements used to integrate ergonomics into a large/complex organization, then sustain low Workers Compensation rates.

Advanced Manufacturing
The need for improvements in productivity, quality, profits and protection of human life have challenged scientists, inventors & entrepreneurs to design software & equipment that seemed impossible a few years ago.

Moderators: Todd Canterbury and Michael Hutchinson
• Todd Canterbury, HF/E Engineer, The Boeing Company
  • Observe how gesturing-related technologies may improve communication where hearing and sight are limited as well as other applications.
• David Arena, RP Applications Engineer, GoEngineer
  • Consider how 3-D printing may now provide low cost options and quick fixes for a variety of applications.
• Abigail Gaston, Ergonomist, The Boeing Company and Tim Prather, MP
  • Industrial
    • Experience how exoskeletons might reduce ergo-related risk factors and improve function for material handling, medical rehab and military applications.

New This Year!
This year’s format is based on short, sequential TED-type “PODs” of concentrated information. Each POD has a unique theme with interactive components.

Our new venue offers great food, a view of the race track and expanded space for vendors.

For registration information see reverse side