

# ISOES NEWS

INTERNATIONAL SOCIETY FOR OCCUPATIONAL  
ERGONOMICS & SAFETY

Fall 2014

Volume 16, Issue 1

## ISOES Officers:

Richard Wyatt, PhD  
President

Anand Subramanian, PhD  
President elect

Gabriel Ibarra-Mejia, MD, PhD  
Past President

Brandy Ware, PhD  
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Sang D. Choi, PhD  
Secretary

Ashish Nimbarte, PhD  
Newsletter Editor

Fereydoun Aghazadeh, PhD  
Members at Large

Peggy Ross, RN, MS  
Members at Large

## New President's Message

### Richard Wyatt, PhD

Aon Risk Solutions, Huntsville, AL



My how time flies. It seems like yesterday we were discussing and planning our conference in El Paso, with an anticipated excitement of seeing old friends and colleagues, meeting new friends, and learning something new in safety and ergonomics. The summer has passed like a flash of lightning and we are off to a new year for our society. As your new President, I would first like to thank our outgoing President, Dr. Gabriel

Ibarra- Mejia, MD, Ph.D for his leadership during the past year. I think we all enjoyed the El Paso conference and some of us learned what "dry heat" actually feels like. Every year we all meet someone new at the conference and the thought of meeting new friends and colleagues at the conference every year really excites me.

Our society is a cross functional group of safety and ergonomic professionals from both academic and private organizations. Our members are from large and small universities, private consulting, and many types of public and private businesses. Our members live and work in many parts of the world, and bring a variety of views and ideas to our society. I am truly thankful to be a part of the ISOES and look forward in serving as your President for this year.

As we move forward in our 2014-2015 year, I would like to see our membership grow. One of the comments put forth at the General Conference

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meeting involved marketing. I believe that we should all attempt to invite others to the 2015 conference and I would like to challenge the entire membership to join me in inviting others to our conference. We are planning our 2015 conference in for May 29, 2015 in Nashville, Tennessee. Our ISOES conference will take place immediately before the Institute of Industrial Engineers (IIE) conference in Nashville (May 30-June2, 2015). Many of our coworkers will be attending the IIE conference so we should invite them to come to Nashville early and become a part of our group also. The hotel location is not finalized and will be announced soon on our internet site. Another opportunity to invite others the conference and to get involved with ISOES is through your local American Society of Safety Engineers (ASSE) chapter. If you are a member of ASSE, invite members of your local chapter to come to our 2015 conference. My challenge for our membership in 2014/15 is for everyone in ISOES to invite one additional safety/ergonomic professional to the conference. Remember this simple phrase!

**“Everyone Invite One”**

More details will be posted to the website including a brochure that you can use with your local ASSE and other organizations to help promote our 2015 conference. Let’s all work together to invite students, researchers, safety and ergonomic practitioners, and managers from local organizations to get involved with ISOES. We will post additional information on our website soon!



Outgoing President’s Message  
**Gabriel Ibarra-Mejia, MD, PhD**  
University of Texas at El Paso  
and Universidad Autonoma de Ciudad Juarez  
El Paso, TX

?????????

## ISOES Conference 2014 in Review

Brandy Ware

The XXIVth Annual International Occupational Ergonomics and Safety Conference was held at the Radisson El Paso Airport from June 5-6, 2014. There were 37 papers that were selected to be presented over 9 sessions. The conference was attended by over 40 individuals representing academia, industry, research institutions, consulting companies, and government agencies. We had individuals representing Egypt, Mexico, Thailand, Turkey, and the United States of America. The conference started with the opening welcome session by Dr. Gabriel Ibarra who was the outgoing president for the year 2013-2014. He welcomed all the participants and introduced the outgoing executive committee. He then introduced and welcomed the incoming president for the year 2014-2015, Dr. Richard Wyatt. Nanthawan Am Eam who is a doctoral student at the Texas Tech University at Lubbock, Texas under the guidance of Dr. James L. Smith was presented with the Annual Conference Scholarship for her research work titled "Effects of Build-Up Time Interval on Isometric Arm Strength Testing". The welcome session was immediately followed by the keynote speech. Dr. Jeffrey Fernandez who was the outgoing member-at-large introduced Dr. Miguel Pirela-Cruz. Dr. Cruz is the Professor, Regional Chairman - Orthopedic Surgery and Rehabilitation, Texas Tech University Health Sciences Center - Paul L. Foster School of Medicine. His keynote speech was titled "Challenges in Major Limb Re-plantation - Treatment after Protective Measures have Failed".

The breakout sessions immediately followed the keynote session and numerous interesting papers were presented on topics such as occupational ergonomics, safety, occupational biomechanics, ergonomics in the construction industry, etc. The conference also hosted its annual dinner and all attendees were treated to sumptuous entrees and desserts at the Cattle Baron Steakhouse and Restaurant.

The conference was adjourned on June 6, 2014.



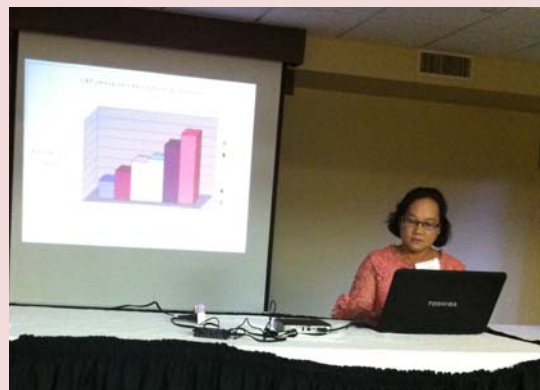
## Several best experiences in El Paso

**Dr. Chuliporn Sopajareeya**

Boromrajonani College of Nursing, Sawanpracharax-Nakhonsawan Nakhonsawan Province, 60000, Thailand

During my stay in El Paso, I had several best experiences which made me impress. I had a chance to present my studies regarding prevalence and risk factors of low back pain by oral presentation. It improves my English proficiency, especially speaking and listening. I have had opportunities to do research with other researchers from different fields of study and universities in the United States of America. I am very grateful to the committee of the ISOES Conference. Next, I went to some restaurants to listen Mexican songs. The songs and music were very nice and I learned that each country has a unique music. I would like to thank to Miss Brenda Thomas and her mother for hospitality. Last, I visited the School of Nursing at the University of Texas, El Paso and had an opportunity to observe teaching by using simulation.

I learned more about the teaching strategies which make nursing students have more confidence when they work in the real situation or in hospitals. I made many friends both faculties and staff, and also students in the school. A big thanks to all teachers and staff, especially Dr. Gabriel Ibarra-Mejia and Martin M. Munoz, the Director of Development for their kindness. These experiences give the benefits not only to my college of nursing, but also to Thailand.



### Call for New & Renewed Membership

The success of the mission and vision of ISOES depends on you, the members. We are collectively committed to the goal of increasing our membership, maintaining our current members, and expanding our international diversity. To be successful, we need your help. You can help advance the goals of ISOES by:

1. Recruiting new members.
2. Sharing our information and newsletter.
3. Attending conferences.
4. Submitting manuscripts to our Conference call for papers.
5. Sharing your input and expertise with the society, especially the Executive Committee, who is committed to ensuring that the design of our organization matches the needs of its members.
6. Joining!

Go to <http://isoes.info/member.htm> to get your membership form!

## Free Membership Announcement

ISOES is pleased to announce free annual membership for qualified students graduating in the academic year 2014-15. Membership benefits include access to ISOES publications and it is a great addition to your resume for free!

Visit our membership page (<http://isoes.info/member.htm>) to get your membership form. Please submit your application with proof of graduation to Brandy Ware ([bw@jfa-inc.com](mailto:bw@jfa-inc.com)).

## General Body Meeting Minutes

**Place: Radisson El Paso Airport  
El Paso, TX**

**Date: 5-6 June, 2014**

The XXIVth Annual International Occupational Ergonomics and Safety Conference was held at the Radisson El Paso Airport from June 5-6, 2014.

(Attendees: Anand Subramanian, Sang Choi, Gabriel Ibarra-Mejia, David Leonard, Brandy Ware, Paul Ray, Ashish Nimbar-te, Bheem Kattel, Craig Halpern, Lawrence Schulze, Peggy Ross, Dishayne Garcia, Roger Jensen, Sheik Imrhan, Jeff Fernandez, Richard Wyatt )

- Call to order - Gabriel Ibarra-Mejia
- Welcome message - Gabriel Ibarra-Mejia
- Outgoing president report - Gabriel Ibarra-Mejia
  - ◇ Membership # updates (e.g., Mexico's membership increased)
  - ◇ Conference updates
  - ◇ ISOES News letters
    - Fall and Spring Issues
    - Student awards
- Treasure Report - Brandy Ware
  - ◇ Members # (67 total – 52 full and 15 students)
  - ◇ Financial status updates provided
- Incoming President's Message/Report - Richard Wyatt
  - ◇ Election Results were unanimous.
    - President: Richard Wyatt
    - President Elect: Anand Subramanian
    - Secretary: Sang Choi
    - Treasurer: Brandy Ware
    - Newsletter: Ashish Nimbar-te
    - Member at large: Peggy Ross, Fred Agazadeh
  - ◇ Shared Vision and Efforts
    - Revamping the ISOES Webpages
    - Newsletters
    - Marketing efforts

- Increase membership
- Retaining/recruiting new members
- Next year's 2015 Conference (Nashville, TN)
  - ◇ Date: May 29th 2015 (hotel/location – TBD)
  - ◇ Members shared ideas:
    - Website, marketing, possible sessions (e.g., healthcare panel session).
    - Tours?
    - Need to increase the international/oversees participants to ISOES
    - Need to provide better paper submission guidelines/formatting
      - \* Provide samples papers in the website
      - \* Provide a clear deadline/due dates
  - ◇ ACTION ITEMS (motioned by Halpern and seconded by Fernandez):
    - Promoting ISOES to ASSE's local chapters' newsletters targeting safety practitioners...
    - Create a marking blurb and share it to the members – Will be drafted by Richard Wyatt.
- Discussion – Open access option (?) – abstract only (?)
- Meeting adjourned (motioned by Fernandez and seconded by Subramanian).

## **XXVIth ISOES Annual Conference scholarship recipient statement**

**Nanthawan Am Eam**  
Industrial Engineering, PhD Student  
Texas Tech University

My name is Nanthawan Am Eam and I am the recipient of the ISOES 2014 Student Scholarship. I would like to thank the ISOES Conference Committee for the scholarship. The scholarship supported me to attend and present my research at this important human factors conference. It provided me an opportunity to increased my knowledge of human factor and developed my skills as a researcher.

The conference is a great academic event that acts as a stage for many researchers to present and discuss their current and future research work. In additions, the conference provided me the know- how of how experts provide their service in the field and also about their current research, Furthermore, such a conference affords me networking opportunities, which helped me establish connections with other academics and researchers having the similar scholarly interests. It would allow me to develop strong peer support networks.

Thank you very much  
Best regards  
Nanthawan Am Eam

## XXVII Annual International Occupational Ergonomics and Safety Conference May 28-29, 2015 Nashville, TN, USA

### Call for Contributed Papers

Individuals interested in presenting their research/case study must submit an abstract of no more than 350-words in English to: [isoes@jfa-inc.com](mailto:isoes@jfa-inc.com). All abstracts submitted for publication in the Conference proceedings will be reviewed by the International Program Advisory Committee. Authors will be notified of acceptance by **April 1, 2015**. Full papers/ extended abstracts and conference registration will be due by **April 15, 2015**. Papers for the conference will be published in CD format. Copies of the CD will be available for the Conference participants. The conference organizing committee is listed below:

#### Areas of Interest:

##### **Workplace Safety and Health**

- Design for health and safety
- Applications of engineering anthropometry, biomechanics, and work physiology
- Human factors in work measurement
- Manual materials handling
- Cumulative Trauma Disorders

##### **Management Issues**

- Standards development
- International ergonomic issues
- Accident prevention strategies
- Participatory ergonomics
- Performance/Personnel testing

##### **Training**

- Educational programs
- Ergonomics curricula development
- Macro-ergonomics
- Decision making

##### **Cognitive Ergonomics**

- Human reliability
- Human-centered design
- Situational awareness

##### **Technology Development**

- Human-computer interaction
- Computer-aided ergonomics
- New evaluation tools

##### **Usability & Product Design**

- User Experience (UX) design
- Leading UX teams
- Universal usability
- Design research and concept evaluations

##### **Construction**

- Design for Construction Safety
- Construction Safety
- Industrial Safety
- Construction Productivity

##### **New and Expanding Areas of Application**

- Military
- Transportation
- Health care
- Aging populations
- Research methods
- User-experienced designers

##### **Case Studies**

- Forensics
- Accidents
- Any area of related application

## Message from the members

# IIE Transactions on Occupational Ergonomics & Human Factors

### Submissions Welcome for Integrating Physical and Cognitive Ergonomics Special Issue

Physical ergonomics is concerned with human anatomical, anthropometric, physiological, and biomechanical characteristics as they relate to physical activity. Cognitive ergonomics is concerned with mental processes, such as perception, memory, reasoning, and motor response, as they affect interactions among humans and other elements of a system. Most occupational tasks involve some level of mental/cognitive processing in addition to physical work, so that ideally physical and cognitive demands should be considered together when examining behavior at work. High cognitive demands can influence physical work, and physical activity can influence cognitive processing.

This special issue will examine recent research and development on integrating physical and cognitive ergonomics principles in addressing worker health and performance.

Submissions are welcomed that address actual or potential integrations of both physical and cognitive ergonomics principles to address worker health and/or performance, and using any of the journal's manuscript types. Topics of interest and relevance for the special issue include, but are not limited to, the following:

- Identification, measurement, and development of work systems that address the interaction between work-related physical and psychosocial factors on worker health and performance.
- Biomechanical, psychophysiological, and performance-based investigations of the interaction between physical and cognitive demands.
- Neuroergonomic studies that take an integrated approach to issues of physical and cognitive work are especially welcomed.

#### Submission Details

All papers should be submitted through the journal's ScholarOne online submission website at <http://mc.manuscriptcentral.com/oeHF>. Complete information about the journal, including author instructions, review criteria and procedures, and submission templates, are available at <http://www.tandfonline.com/toc/uehf20/current>. All submissions must abide by the journal's requirements, and the journal's regular processes will be followed for review of submissions.

During the online submission process, please indicate that a submission is for this special issue. There will be a prompt for this at the submission website.

#### Timeline:

**Submission of Manuscripts Due:** December 1<sup>st</sup>, 2014

**Notification of First Review Decision:** February 2015

**Expected Publication:** October 2015

For any questions about this special issue, including questions about the relevance/suitability of a planned submission, please contact the Special Issue Editors below.

#### Editorial information

Guest Editor: Dr. Ranjana Mehta, *Texas A&M University* ([rmehta@tamu.edu](mailto:rmehta@tamu.edu))

Guest Editor: Dr. Raja Parasuraman, *George Mason University* ([rparasur@gmu.edu](mailto:rparasur@gmu.edu))



## Message from the members

### Grad student spot available in unique Human Factors Engineering lab

The THRILL Lab at Ryerson University in Toronto is recruiting a graduate student in Human Factors Engineering (PhD level preferred) with strong human factors engineering training in cognitive ergonomics, performance measurement, task analysis, interface design, workload modelling, and simulation, and with demonstrated capacity for independent research commensurate with the graduate level. The lab shares access to a 360-degree pitch and roll multimedia motion simulator for ride modelling. Candidates must be eligible for admission to Ryerson University Mechanical and Industrial Engineering graduate program. Familiarity with amusement attractions is a definite asset. Inquiries from qualified students are welcome.

The grad student will join a multidisciplinary research and training program that has been building Human Factors into experiential learning for various engineering and health and safety specialties for over ten years. The THRILL Lab studies and applies Human Factors Engineering to amusement attractions at theme parks and carnivals to enhance guest experience and operational performance. The lab leads annual field trips to a major carnival and prominent international theme parks, where undergraduate and graduate students learn how their own branch of engineering, science, or design contributes to guests' themed entertainment experiences. Back in the lab, students apply their knowledge to interdisciplinary design projects. The lab also develops Human Factors applications and conducts research focused on this unique industry and contributes to international standards development.

For information about the THRILL Lab including contact information, visit [www.ryerson.ca/thrill](http://www.ryerson.ca/thrill) and visit the blog at [thrilllab.blog.ryerson.ca](http://thrilllab.blog.ryerson.ca)



THRILL Lab workspace



Multimedia motion simulator



Experiential learning in the field

## Calendar of Upcoming Events

### September 2014

September 23-24, 2014

**[Aviation Health Conference 2014](http://www.quaynote.com/ankiti/www/?code=iata14&f=programme)**

(<http://www.quaynote.com/ankiti/www/?code=iata14&f=programme>)

Radisson Blu

Charles de Gaulle Airport

Paris, France

Sponsor: IATA

Contact: Lorna Titley

Email: [lorna@quaynote.ca](mailto:lorna@quaynote.ca)

September 29-October 3, 2014

**[Ergonomics and Human Factors: Strategic Solutions for Workplace Safety and Health](https://ecpe.sph.harvard.edu/programs.cfm?CSID=EHF0000&pg=cluster&CLID=1)**

(<https://ecpe.sph.harvard.edu/programs.cfm?CSID=EHF0000&pg=cluster&CLID=1>)

Harvard School of Public Health

677 Huntington Ave.

Boston, MA 02115

Sponsor: Harvard School of Public Health

Contact: Peter J. Bretton

Phone: 617-432-2100

Email: [pbretton@hsph.harvard.edu](mailto:pbretton@hsph.harvard.edu)

September 30, 2014

**[Getting Value From EH&S Information Management](http://www.verdantixsummit-ehs.com/)**

(<http://www.verdantixsummit-ehs.com/>)

Sheraton Boston Hotel

39 Dalton Street

Boston, MA 02199 USA

Sponsors: CH2MHILL, InteleX, enablon, ERM

Contact: Amanda Wilson

Phone: +44 (0)2033716779

E-mail: [awilson@verdantix.com](mailto:awilson@verdantix.com)

### October 2014

October 6-8, 2014

**[1st International Symposium to Advance Total Worker Health](http://www.eagleson.org/conferences/total-worker-health)**

(<http://www.eagleson.org/conferences/total-worker-health>)

Natcher Conference Center

Bethesda, MD 20894, USA

Sponsor: NIOSH Total Worker Health Program

Contact: Tanya Headley

Phone: (304)285-6278

Email: [tfh4@cdc.gov](mailto:tfh4@cdc.gov)

## Calendar of Upcoming Events

October 8-10, 2014

### **[Healthier Federal Workers 2014](http://www.eagleson.org/conferences/healthier-federal-workers-2014)**

(<http://www.eagleson.org/conferences/healthier-federal-workers-2014>)

National Institutes of Health

Natcher Conference Center

Bethesda, MD 20894

Sponsor: NIOSH Office for Total Worker Health, Eagleson Institute

Contact: Adele Childress

Phone: (404) 498-2556

Email: [ahc0@cdc.gov](mailto:ahc0@cdc.gov)

October 15-17, 2014

### **[OSHAssociation USA Safety Conference and Exhibition](https://oshassociationusa.org/)**

(<https://oshassociationusa.org/>)

NRG Park, One NRG Park

Houston, TX 77054

Sponsor: RGT Media Communications Corp.

Contact: Tina Jones

Phone: 832 664 0618

Email: [info@oshassociationusa.org](mailto:info@oshassociationusa.org)

October 19-22, 2014

### **[7th International Symposium Safety & Health in Agricultural & Rural Populations: Global Perspectives \(SHARP\)](http://cchsa-ccssma.usask.ca/sharp2014/)**

(<http://cchsa-ccssma.usask.ca/sharp2014/>)

Delta Bessborough Hotel & Sheraton Cavalier Hotel

Saskatoon, Saskatchewan Canada

Sponsor: Canadian Centre for Health and Safety in Agriculture

Contact: Sueli B. de Freitas

Phone: (306) 966-7888

Email: [cchsa.symposium2014@usask.ca](mailto:cchsa.symposium2014@usask.ca)

October 27-31, 2014

### **[HFES 2014 Annual Meetings](http://www.hfes.org/web/hfesmeetings/2014annualmeeting.html)**

(<http://www.hfes.org/web/hfesmeetings/2014annualmeeting.html>)

Hyatt Regency Chicago

Chicago, Illinois, USA

Contact: Lois Smith, Communication Direction

Phone: 310/394-1811

## Calendar of Upcoming Events

### November 2014

November 5-7

#### **9<sup>th</sup> Annual Southeastern US Mine Safety & Health Conference**

(<https://www.southeastmineconf.org/>)

Ross Bridge Hotel/Conference Center

Birmingham, Alabama

### December 2014

December 2-5, 2014

#### **National Ergonomics Conference & Ergo Expo**

(<http://ergoexpo.com/register.html>)

Caesars Palace, Las Vegas

Sponsor: Workrite

Phone: 1-800-287-0257

### March 2015

March 16-19, 2015

#### **The 18<sup>th</sup> Annual applied ergonomics conference 2015**

(<http://www.iienet2.org/Ergo/Conference/details.aspx?id=6928>)

Renaissance Nashville Hotel,

Nashville, Tennessee

Phone: 770-349-1109

### April 2015

April 13-16, 2015

#### **Ergonomics & Human Factors 2015, UK**

([www.ehf2015.org.uk](http://www.ehf2015.org.uk))

Daventry, Northamptonshire, UK

Sponsor: Institute of Ergonomics & Human Factors

Contact: James Walton, Marketing & Events Manager

Phone: 0159 234904

## ISEOS officers - contact Information

Position	Name	Contact Information
President	Richard Wyatt PhD	Aon Risk Solutions Huntsville, AL Tel: 256-851-0811 Email: Richard.wyatt@aon.com
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From left: Ashish, Brandy, Peggy, Gabriel, Richard, Anand, and Sang