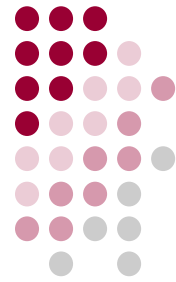




International Society for Occupational Ergonomics and Safety

Fall 2018 Newsletter



Letter from the President

By Sang Choi

Dear ISOES Members:



The current ISOES president, Dr. Sang Choi

It is my great privilege and an honor to serve as the President of the International Society for Occupational Ergonomics and Safety (ISOES) for 2018-2019 term. My memories are still vivid of the time when I joined ISOES almost 20 years ago as a graduate student presenting for the first time at an International Conference, and I continue to enjoy the membership of this wonderful organization. As your new President, I would first like to thank our outgoing President, Dr. Ashish Nimbarte for his leadership during the past year. I think we all enjoyed the Pittsburgh conference. Every conference, we meet old friends and make new ones.

As we move forward in 2018 - 2019, I would like to see ISOES become more visible not only in the US but also globally. Our Executive Committee (EC) team is comprised of academics, researchers and practitioners affiliated with various industries and multidisciplinary specialties in occupation ergonomics and safety fields. The ISOES 2018-2019

leadership committee has three new members: Dr. Shuping Xiong, Korea Advanced Institute of Science and Technology (KAIST), South Korea; Dr. Clarence Rodrigues, Khalifa University of Science and Technology, UAE are International Members at Large, and Dr. Lu Yuan, Southeastern Louisiana University, LA, USA is US Member at Large. I want to thank President-Elect, Dr. Gabriel Ibarra-Mejia, University of Texas at El Paso, TX, USA for taking on the challenge of heading the society next year. I also would like to give a special thanks to the other EC Team: Secretary Jim Borhardt, Construction Ergonomics LLC, IA, USA; Treasurer Dr. Anand Subramanian, JFAssociates, Inc., VA, USA; Member at Large Steve Fleming, Page Engineering, Inc., MI, USA, and the Newsletter Editor/Web Master Dr. Marc Christian, BMW Group, Germany. It will be the Executive Committee's priority not only to maintain our current status but to increase ISOES' visibility and membership by promoting ISOES' Mission through collaboration and organizational outreach with academia, private sector and students internationally.

Our Society makes a unique contribution to the global community by serving a wide breadth of professions focused on many different issues related to the safety of human work systems. Today, the unique professional niche our founders recognized is more important than ever. Truly reflecting our ISOES Mission and Vision, the 31st Annual International Conference, concurrent with American Society of Safety Professionals (ASSP) Safety 2019 Academic Forum, is to be the world's leading gathering for the exchange of ideas through the integrative efforts of academics, researchers and practitioners in the design and analysis of safe human work and environmental systems. The ISOES keenly promotes through academic research, education, sound professional practices and applications of innovative solutions to current and emerging challenges pertinent to Occupational Safety, Health and Ergonomics, providing efficient strategies for maintaining safer, healthier, and more productive workforce, environment and asset for the protection and improvement of the

November, 2018

Special points of interest:

- Please don't forget to pay your membership dues
- Check out the new ISOES forum
- Contribute to the ISOES Outreach program
- Help out at the ISOES booth at the ASSP conference

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"I would like to encourage the members to participate in the division's activities by proposing topics for the web forum, sending articles for newsletter, and most importantly submitting their work for the upcoming ISOES conference..."

quality of life around the world.

The 2019 ISOES Conference, concurrent with ASSP's Safety 2019 Academic Forum, will be an excellent opportunity to showcase the organization's strength. I would like to encourage the members to participate in the division's activities by proposing topics for the web forum, sending articles for newsletter, and most importantly submitting their work for the upcoming ISOES conference scheduled on June 12 - 13, 2019 in New Orleans.

More information is posted at our ISOES website www.isoes.info.

We are looking forward to greeting you in New Orleans!

Sang D. Choi
PhD, CSP, CPE
President



Current, past and future WVU team contribute to 2018 Pittsburgh Conference success!

2018 Pittsburgh Conference Reflection

By Jim Borchardt

I found all the presentations at the 2018 ISOES Annual Conference in Pittsburgh, PA both informative and inspirational. I was particularly impressed with the student presentations which displayed both their depth of knowledge of the researched topic and their enthusiasm for the Ergonomics and Safety Profes-

sion. This particular topic, *Wearable Technology for Design and Safety Evaluation of Rider Acceleration Exposure on Aerial Adventure Attractions* caught my attention as "zip-lining through a forest's canopy" has been on my "To Do" list for a long time. Having heard this presentation and read the well researched and referenced paper, I felt secure

enough this summer to try "zip-lining" in a park in Northern Wisconsin.



The ISOES Forum

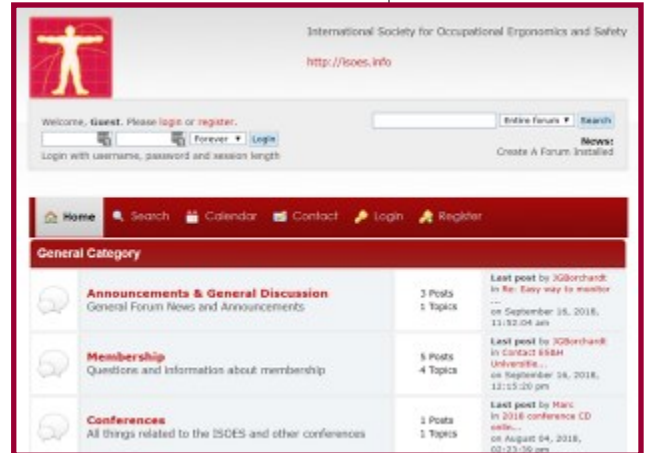
By Marc Christian

The executive committee for ISOES is pleased to announce the new [ISOES Forum](http://isoes.createaforum.com) (<http://isoes.createaforum.com>). This platform is designed to enable a free and open exchange for professionals in the field of ergonomics, safety, human factors, etc. Anybody can join the forum, to read and contribute to the discussion. ISOES members receive a special member status, which further legitimizes their content.

The forum is broken down into various categories, each pertaining to a different topic. This allows for a more targeted audi-

ence, but also for users to find issues that are more relevant. Anybody has the ability to post a topic or question, and anybody has the ability to answer. All of the content is searchable, so you can easily see whether other people have posted on regarding a similar problem.

We are always looking for contributors, so spread the news. If you are interested in contributing by becoming a moderator, please contact Dr. Marc Christian. As the forum is just starting out, we need content and membership to expand. Please have a look and sign up!



"This platform is designed to enable a free and open exchange for professionals in the field of ergonomics, safety, human factors..."

ISOES Expo Booth at ASSP PDC

By Jim Borchart

Once again ISOES has joined the 700 Exhibitors scheduled for ASSP's Safety 2019 Expo in New Orleans, LA June 10 - 11, 2019. [ISOES' Booth #2848](#) will be in the midst of 12+ ES&H University booths staffed by Academics and students providing the opportunity

to share our society's vision and extend an invitation to "stop by" the ISOES Conference presentations on June 12-13. If you would like to volunteer for this fun activity and opportunity to network with the thousands of ASSP attendees, contact [ISOES Secretary, Jim Borchart](#). Note there is a

Special Benefit for Expo Booth Volunteers - the Exhibitor Badge also provides access to the ASSP presentations on Monday and Tuesday, June 10-11, 2019. See photos of ISOES' Exhibitor booths at previous ASSP's PDCs i.e. [Safety 2017 in Denver](#) and [Safety 2016 in Atlanta](#).



ISOES booth at ASSP Safety 2017 Expo, Denver, CO



ISOES booth at ASSP Safety 2016 Expo, Atlanta, GA

Outreach Program

By Jim Borchardt

I**SOES Outreach Program** – In order to reach our [Mission](#), President Sang Choi has asked all Society Members to help improve ISOES' visibility and increase its membership by extending an invitation to the ISOES 2019 Annual Conference to ES&H Professionals globally in Academia & private/governmental sectors.

--The most effective way to do this is "professional to professional" so please make your contribution to the success of next year's conference by emailing our [Conference Information/Call for Abstracts](#) to your ES&H Professional contacts. Please provide a copy of your invitations to Jim Borchardt, ISOES Secretary at isoes2019conference@gmail.com. I will provide a status report on the 1st of each month in our newly created [ISOES Forum](#).

--We have also established a database of 73 US

and International Universities that have Human Factor/ Ergonomic curriculums – See [HFES 2018 Directory](#) . The objective is to email the Director of these programs and invite their staff and students to participate in next year's conference. If you have a professional contact at any of these institutions, please email them an invitation with a copy to me. As you can see this is an enormous and ambitious project so your help would be most appreciated!!

--The ISOES Executive Committee (EC) has also begun a program to have the following announcement:

ISOES 2019 – XXXI Annual International Occupational Ergonomics and Safety Conference, June 12-13 at Ernest N. Memorial Convention Center , New Orleans, LA USA

posted to the Newsletter of as many International ES&H organizations as possible. For example, our 1st posting is on the Board of Certified Profes-

sional Ergonomics (BCPE) website [Professional Development Resource](#) page and will be posted in the BCPE Newsletter beginning December, 2018. EC members have also begun to Reach Out to International Universities and ES&H organizations in their regions of South Korea/Japan/China, Mexico/Central & South America, UAE and Middle East, European Union, US & Canada. Please request the earlier announcement be posted in the Newsletters of ES&H organizations that you feel appropriate and send me a copy. Again, I will report monthly on the ISOES Forum the status of this Global Initiative.

Thanks to all – let's make next year's conference the best ever!

Jim Borchardt – ISOES Secretary,

isoes2019conference@gmail.com

"...please make your contribution to the success of next year's conference by emailing our Conference Information/Call for Abstracts to your ES&H Professional contacts."



Page Engineering's international practitioners present findings on emerging E&S issues

The ISOES Executive Committee



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XXXIst Annual International Conference
International Society for Occupational Ergonomics & Safety
 Concurrent with ASSP's Safety 2019 Academic Forum

Call for Abstracts

Date & Venue **June 12-13, 2019**
[Ernest N. Morial Convention Center](#), New Orleans, LA, USA

Submission Requirement & Deadlines		Max. Length	Submission Deadline & Email	Notification of Review
	Abstract	350 words	February 28, 2019 isoes2019conference@gmail.com	March 15, 2019
	Final Abstract /Paper*	Extended Abstract: 2 Pages Full Paper: 6 Pages	March 30, 2019 isoes2019conference@gmail.com	TBD

* Check www.isoes.info for abstract/paper template and additional information.

Industry	Topics	
Aerospace Agriculture Automotive Construction Defense Electronics Fishing Forestry Health Care Info Technology Manufacturing Marine Mining Oil and Gas Office Retail Transportation Utilities Warehousing and Others	Ergonomics & Human Factors <ul style="list-style-type: none"> • Physical • Cognitive • Organizational Safety & Health <ul style="list-style-type: none"> • Systems/Behavioral • Culture/Climate • Environmental • Home Prevention through Design Risk Assessment/Management Artificial Intelligence Nano Products/Processes Automated Vehicles/Equipment Exoskeleton/Robotics Wearable Technology Virtual/Augmented Reality User Experience/Usability Data Analytics	Workplace Exposure Examples <ul style="list-style-type: none"> • Aging Workforce • Overweight/Obesity • Health & Wellness • Stress and Fatigue • Remote Working • Sit vs Stand • Vibration <ul style="list-style-type: none"> ○ Whole Body/Segmental • Slips, Trips, and Falls • Repetitive Motion • Work Rest Cycles • Distraction/Inattention/Boredom • Manual Handling/Overexertion • Musculoskeletal Injuries/Disorders • Environmental <ul style="list-style-type: none"> ○ hot/cold, humidity, lighting Other Emerging Topics

Student Award	<ul style="list-style-type: none"> • ISOES selects up to three students each year to receive a merit-scholarship waiver. • Scholarship includes free conference registration, two nights at the conference hotel, & airfare (up to a maximum of \$400). • Candidates must be currently enrolled in an accredited university pursuing an undergraduate or graduate degree with an ergonomics or safety focus. • The scholarship recipient will be expected to attend the annual conference and present his/her research.
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Conference Organization Committee

Sang D. Choi (Chair), James G. Borchardt, Steve Fleming, Gabriel Ibarra-Mejia

Abstracts/Papers will be published in the [ISOES Conference Proceedings](#).

Digital Conference Proceedings on USB will be available to all conference participants.