



# ISE Newsletter

Quarterly newsletter of the INDIAN SOCIETY OF ERGONOMICS (ISE)

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Vision Zero Conference  
ASSP Professional Development Conference
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### Forthcoming National events:

- \* **HWWE 2019**  
Annual Conference of the Indian Society of Ergonomics,  
8 – 10 November, 2019,  
Jalandhar, Punjab

### Forthcoming International events:

- \* **ISOES 2019**  
XXXI Annual International Occupational Ergonomics and Safety Conference,  
12 – 13 June, 2019,  
New Orleans, Louisiana, USA
- \* **HEPS 2019**  
Health Care Ergonomics and Patient Safety  
3-5 July, 2019  
Lisbon, Portugal
- \* **AHFE 2019**  
10<sup>th</sup> International Conference on Applied Human Factors and Ergonomics,  
24 - 28 July, 2019  
Washington D.C. USA
- \* **IHSED**  
2019 International Conference on Human Systems Engineering and Design,  
16 – 18 September 2019,  
Munich, Germany

ISE is online at: <https://ise.org.in/>

For your security, ensure that you can view the padlock symbol  and <https://ise.org.in> on the web address before you enter

**\* Welcome New members!**

ISE Newsletter welcomes the following new Life Members:



**L480 Gnanavel S S, Bangalore**

**L481 Musabiha Thaseen, Chennai**

**\* Announcement: HWWE 2019**

HWWE 2019 and the 17<sup>th</sup> Annual Conference of the Indian Society of Ergonomics will be held at the National Institute of Technology, Jalandhar, from **8<sup>th</sup> to 10<sup>th</sup> November 2019**.

**\* Indian Science Congress 2019**



Prof. Prakash C. Dhara delivering the Presidential Address



Felicitating General President of ISCA Dr.M.K.Chakraborti



With union Minister for Science and Technology - Dr. Harsh Vardhan (middle)

The 106<sup>th</sup> session of Indian Science congress was held at Lovely Professional University at Jalandhar, Punjab, from 4 -7 January, 2019. Prof. Prakash C. Dhara, Honorary General Secretary of ISE, the current president of the Section of 'Medical Science including Physiology' of Indian Science Congress Association (ISCA) conducted the section of Medical Sciences including Physiology, and delivered the presidential address entitled "**Future Development of India: Role of Ergonomics and Occupational Health**". A symposium on "Occupational Health and Ergonomics for future development of India" was held on the 4<sup>th</sup> and 5<sup>th</sup> January, 2019. A number of ISE members delivered lectures in this congress. Among them, Debkumar Chakraborty, Urmi Salve, L. P. Singh, Diptee Majumdar, Ajita D Singh, Sougata Karmakar, Kusal Das, Indranil Manna were noteworthy.

## \* Member Activities

Reena Valecha was invited to speak on the topic of Ergonomics in the International Vision Zero Conference organized by the Directorate General Factory Advice and Labour Institutes (DGFASLI), the Indian Institute of Technology Bombay (IIT Bombay) together with the German Social Accident Insurance (DGUV) and with strong support of the ISSA Sections on Construction, Electricity, Mining, Transportation and Information in February 2019 in Mumbai, India.



She was also invited by the Department of Factories and Boilers, Government of Kerala during their National Safety Week to speak in the area of Ergonomics and was felicitated for constant efforts for creating awareness in Industry.

## 7<sup>th</sup> ASSP Professional Development Conference



Members of Indian Society of Ergonomics at the **7<sup>th</sup> ASSP Professional Development Conference** held at IIT Madras, Chennai, 27<sup>th</sup> & 28<sup>th</sup> April, 2019



## \* IEA @ 60

### Celebration of the IEA 60<sup>th</sup> Anniversary

This year, IEA, the global Federation of Human Factors and Ergonomics Societies, is celebrating its sixtieth anniversary. Founded in 1959 as a society of individuals, IEA today covers 53 societies from all over the globe. IEA collaborates with our networks as well as individual member societies to promote HFE on the global scale.

The most visible activity is the IEA congress, that is held every three years. Next, many activities are undertaken to meet the interest of ergonomists and human factors specialists, so that they can perform best to improve human performances in the world, while taking care for the health, safety and well-being of workers and users of products. IEA collaborates with international bodies, for instance with ILO in the realization of human factors and ergonomics guidelines, and in developing a vision on the Future of Work, with the World Health Organization and ISQUA IEA works on Patient Safety practices for integrating human factors in the promotion of quality and safety in healthcare worldwide.



Other activities focus on professional standards and the promotion of the discipline. IEA Technical Committees professionals worldwide collaborate to develop new knowledge, methods and solutions. In sixty years IEA has grown from a small group of individuals, who discussed their interests, into a powerful umbrella under which more than twenty thousand highly competent professionals work together for a better world.

See the video at: <https://www.iea.cc/>

## Professional Education and Standards Workshop of Asian Ergonomics Societies

Representatives of Ergonomics Societies from Korea, Japan, Singapore, the Philippines, Malaysia, Indonesia, India, Thailand and Taiwan came together at Taipei, Taiwan on the 16<sup>th</sup> and 17<sup>th</sup> of March, 2019 for a workshop on Professional Education and Standards under the aegis of the Asian Council of Ergonomics and Design (ACED). An observer from Brunei also attended the workshop, which was superbly hosted by the Ergonomics Society of Taiwan (EST).

The objectives of the workshop were to acquire knowledge about the current policies, programs and strategies for ergonomics educational systems in the different countries, to share best practices with institutions both at public and private level that are supporting educational institutions in establishing quality 'human-in-loop' management systems and practices, and to expand the opportunities for cooperation, networking and learning among institutions in the Asia Pacific region.

Each country representative reported on the Ergonomics education framework / model of their country, highlighting the current strengths, weaknesses, limitations and opportunities. President of ISE, Dr. Anindya K. Ganguli, presented a detailed report on Ergonomics Education in India.



An amalgamated list of fundamental competencies necessary for an ergonomic education program was compiled, based on the different education programmes in each country and the three core competencies of HFE (Physical, Cognitive and Organizational ergonomics).

It was concluded that ergonomics education systems can be reformed to solve problems that are detected through learning assessments. A framework or model for ergonomics education system to solve the problems in applications through learning processes was proposed.

On the last day, the EST arranged for a tour of the Xinbeitou hot spring zone.



#### \* Forthcoming National Events



**2019 HWWE 2019**  
**17<sup>th</sup> Annual Conference of the Indian Society of Ergonomics,**  
**November 8 -10, 2019**  
**Jalandhar, Punjab**

HWWE 2019 and the 17<sup>th</sup> Annual Conference of the Indian Society of Ergonomics will be held at the National Institute of Technology, Jalandhar, from **8<sup>th</sup> to 10<sup>th</sup> November 2019**.

For details, please visit: <http://www.nitj.ac.in/hwwe19/>

#### \* Forthcoming International Events



**International Society for  
Occupational Ergonomics & Safety**

**XXXI Annual International Occupational  
Ergonomics and Safety Conference,**  
**June 12 -13, 2019**  
**New Orleans, Louisiana, USA**

The **ISOES 2019 Conference** will be held concurrent with the Academic Forum of the American Society of Safety Professionals (ASSP) 2019 Safety Professional Development Conference and Exposition.

For additional information, please visit: <http://www.iso.es.info/index.html>

Building Health and Social Care Systems for the Future: Demographic Changes, Digital Age and Human Factors.

- The complexity of healthcare delivery means that there are extensive opportunities for human factors to contribute to improvements in working conditions and patient safety.
- Technology has the potential to transform healthcare, placing the patient at the center of the healthcare ecosystem and looking at healthcare workers.
- Technological change is astonishing, whether it's in the volume of health data generated, the ability to process and analyze that data, the advances in robotics and the rise in mobile and wearable technologies.
- Changes in demography challenges patient safety and quality of life. The growing demands of an ageing population whilst simultaneously attempting to absorb huge levels of technological innovation.
- Healthcare in the age of the Internet and social media has patients shopping around for their health needs. How to organize e-ergonomics and e-occupational health services towards patient safety and quality of life.
- Innovation in healthcare covering the discussion on patient satisfaction and overall quality of care, volume-to-value-based business models, reorganization and restructuring of the healthcare systems and leadership competency gaps in a patient-centered model.

### ISE is a partner of HEPS

**ISE Members will get Discounted Registration** - contact Hony General Secretary for details.

For conference details, please visit <https://www.heps2019.com/>



**10<sup>th</sup> International Conference on Applied Human Factors and Ergonomics (AHFE 2019)**  
**July 24-28, 2019**  
**Washington D.C. USA**

The AHFE 2019 conference incorporates 35 thematic areas with participation of more than 2000 researcher and industry participant from around the world.

New Session Proposals: if you would like to propose session(s) or special interest group topic then please send the title of your proposed session(s) and possible speakers to: [admin@ahfe.org](mailto:admin@ahfe.org)

Tutorial Proposals: if you would like to propose a tutorial then please submit the title of your proposed tutorial and speakers name online in the submission system under the tutorial track.

For details, please visit: [www.ahfe2019.org](http://www.ahfe2019.org)



The 2019 International Conference on Human Systems Engineering and Design: Future Trends and Applications (IHSED 2019) will be held at Universität der Bundeswehr München, Munich, Germany September 16-18, 2019. The conference aims to provide a global forum for presenting and discussing novel design and human systems integration approaches, tools, methodologies, techniques, and solutions for integrating people, concepts, trends and applications in all areas of human-machine and systems interaction applications. IHSED 2019 conference is affiliated with the AHFE Conference (see above)

For details, please visit: <http://www.ihsed.org>

IHSED Call for Papers (PDF): <http://www.ihsed.org/files/IHSED2019-CFP.pdf>