



ISE Newsletter

Quarterly newsletter of the INDIAN SOCIETY OF ERGONOMICS (ISE)

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Forthcoming International events:

- **2017 Applied Ergonomics Conference,**
March 27-30, 2017, Orlando, USA
- **XXIX Annual International Conference
International Society for Occupational
Ergonomics & Safety**
June 1-2, 2017, Washington, USA
- **2nd Asian Conference on Ergonomics and
Design**
June 1 - 4, 2017, Chiba, Japan
- **1st International Symposium on Human
Mental Workload: Models and Applications
(H-WORKLOAD 2017)**
June 28-30, 2017, Dublin, Ireland

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

* Welcome New members!

ISE Newsletter welcomes the following new Life Members:



L441 Mohammed Ali, Aligarh

L442 Vicky Balkisan Sardar, Pune

L443 Vinod Saxena, Lucknow

L444 Rashmi Bhavesh Shahu, Nagpur



L445 Sarbjit Singh, Jalandhar

L446 Arvind Bhardwaj, Jalandhar

L447 Shahnawaz Mohsin, Aligarh



L448 Imtiyaz Ali Khan, Aligarh

L449 Kumkum Pandey, Pantnagar

L450 Arnab Jana, Mumbai

* ISE Annual General Body Meeting

Annual General Body Meeting of the Indian Society of Ergonomics (ISE) was held on December 10, 2016 at Jalandhar. Minutes of the meeting are available on the ISE website.

* BRICS^{plus} Ergonomics Network Formed

ISE is happy to announce the formation of an Ergonomics Network among the national ergonomics societies of the BRICS nations, i.e. ABERGO, IREA, ISE, CES and ESSA (respectively). The Memorandum of Understanding of the network, named the BRICS^{plus} Network, was adopted at Beijing in December 2016. Aims: Professional and scientific training including but not limited to joint programmes, continued education systems, and online courses; Research agenda for BRICS^{plus} related issues which may include but not limited to low income (informal economy), inclusive innovation and low-cost/high impact solutions; Dissemination to relevant stakeholders, Common certification system, Harmonized standards and guidance system. ISE is a signatory to the MOU, and is in the process of forming a dedicated sub-committee to liaise with the BRICS^{plus} network.



* ISE partners the 2nd Asian Conference on Ergonomics in Design - ACED 2017

The 2nd Asian Conference on Ergonomics and Design (ACED2017) will be held at the College of Industrial Technology, Nihon University in Chiba, Japan from June 1 to 4, 2017. This conference is an IEA endorsed event and it will be held in conjunction with the 58th Annual Conference of Japan Ergonomics Society. The theme of ACED2017 is "Towards the Asian center of comfort and functional design". The Indian Society of Ergonomics (ISE) is a council member society of ACED. See details in "Forthcoming Conferences" section below.

* ISE LinkedIn Group

The LinkedIn group of the Indian Society of Ergonomics has been formed. Reena Valecha is the coordinator. The group link is <https://www.linkedin.com/groups/2044813> All members are encouraged to join and contribute!

* Job Opportunity



Ergonomics Specialist

Company: Synergo Consulting Pte Ltd

Positions available: 1

Location: Mumbai / New Delhi / Bengaluru / Hyderabad

Job profile: Responsible for planning and implementation of Ergonomics Program Design, Workplace Ergo Audits, Personal Ergonomics Assessments, Ergo Risk Assessments, Product Design Reviews. Will be part of the team conducting Ergonomics Training Courses, Ergonomics research, and Events organized by Synergo from time to time.

Qualifications: Degree in Human factors, Safety, Occupational Health plus at least 1 year experience in above activities. Requisites: Good command over English, project management capabilities, team work skills. Travel throughout Asia-Pacific region will be necessary.

Please email your resume to careers@synergo.co.sg Web: <http://www.synergo.com.sg>

* Masters Scholarship

Applications are invited for scholarships to study at Tsinghua University in China. This is a fantastic opportunity for postgraduate industrial engineering students to start the collaborative efforts with academic exchange. Applicants would be required to submit their dossier of evidence of high quality performance in their previous studies. The application details are on the Tsinghua site, in the menu Admission at the left side: <http://www.ie.tsinghua.edu.cn/eng/common.php?pid=262&ty=268>.

* Member Activities



Task distribution, work environment and perceived health discomforts among Indian ceramic workers.

Majumder J, Shah P, Bagepally BS (2016).

Am J Ind Med, 59: 1145–1155, doi [10.1002/ajim.22659](https://doi.org/10.1002/ajim.22659)

Ambient temperature and relative humidity in ceramic industries were 39.9°C and 17.4% respectively. Musculoskeletal discomfort was observed as a primary complaint; especially lower extremity pain (45%). Load handlers and machine operators had the highest levels of work hazards, including high skill requirement, strenuous work posture, poor commitment by the organization. Poor job autonomy, task clarity, hot workplace, inappropriate workplace design, inadequate auxiliary support, and mental overload were significantly associated with self-reported symptoms ($P < 0.001$). Work categories are associated with work hazards and may lead to various health symptoms among ceramic workers. Control of workplace hazards may lower rates of symptoms and thus may lead to improved health, productivity, and well-being.



Reena Valecha, of Godrej Interio has authored a white paper entitled "Keep Moving!" based on research conducted by the Godrej Interio Ergonomics team to understand the correlation between Musculo-Skeletal Disorders (MSDs) and long hours of sitting. The study group consisted of more than 100 office workers from offices across India, in a wide range of work profiles, but essentially office based jobs. The age group studied was 20-50 years, and the objective was to study the effect of static postures amongst office goers in India. The findings included: large number of office workers suffer from multiple pain problems, physical discomfort is highest among 36-40 year olds, young women are the worst affected by long hours of sitting, low levels of activity compound MSD issues, long hours of sitting compound health issues, and age groups that suffer most pain exercise the least. You can get a copy of the white paper from wellness@godrej.com.

* Report – HWWE 2016

The 14th Annual Conference of the Indian Society of Ergonomics - "Humanizing Work and Work Environment - 2016" was held during December 9 - 11, 2016 at the Dr B R Ambedkar National Institute of Technology (NIT), Jalandhar.

Prof. Uday Kumar, Director, Malviya National Institute of Technology (MNIT), Jaipur was the Chief Guest of the inaugural ceremony on December 9, 2016. Dr. Yushi Fujita, President of the International Ergonomics Association (IEA) was the Guest of Honor. Prof. L K Awasthi, Director NIT Jalandhar appreciated the efforts put on by the organizers. He also greeted the BRICS and IEA delegation for their active participation. The proceedings of the conference were released by Dr. Yushi Fujita. The Organizing secretaries; Dr Sarbjit Singh and Dr Lakhwinder Pal Singh of the conference expressed their sincere thanks to the Director, Chief Guest and the delegates.



*Prof L K Awasthi, (Director NIT Jalandhar) felicitates Prof. Uday Kumar, Director, MNIT, Jaipur.
Dr. Yushi Fujita (President, IEA) and Dr. A.K.Ganguli (President, ISE) look on.*

In their key-note addresses, Dr. Fujita discussed how IEA has begun moving forward to implement its new strategies. President of Indian Society of Ergonomics (ISE), Dr. A.K. Ganguli shared his expertise on good ergonomics being good business. Prof. Jose Orlando Gomes from Federal University of Rio De Janeiro, Brazil addressed the key note on ergonomics as a source of low cost innovation: a case from Latin America. Dr. Dhurjati Majumdar, Vice President Indian Society of Ergonomics (ISE) addressed a key note

on 'Soldiers sustainability and ergonomics research in defence in India.' Prof. Paulo Antonio Barros Oliveira concentrated his note on 'The development of Ergonomics in Latin America: advances and perspectives'. Prof. Debkumar Chakrabarti also enlightened the researchers with his work on 'Design Ergonomics and some trust issues'. Prof. Andrew Todd from University of Rhodes South Africa was also present to share his views on 'International Ergonomic association development plans in Asia and specifically India'.



15 key note lectures, 25 lead lectures, two hundred and twenty five abstracts were received with more than one hundred and fifty empirical papers. One hundred and seventy five researchers and delegates from different corners of the world including Japan, Brazil, South Africa, US, Canada contributed their valuable research findings and attended the conference and presented their expert lectures in the conference.

Recognizing the relevance and contributions of this educational expedition, Springer offered awards for young researchers titled "Young Researcher Award" to the tune of \$200 for undergraduate, \$150 for post graduates and \$100 for doctoral presenters as vouchers for e-books.



Prof. Adarsh Kumar, Prof. Prakash C. Dhara, Prof. Abid Ali Khan, Prof. Mohammad Muzammil, Prof. N. Bhattacharya, Prof. D. Chakrabarti, Dr. Lakhwinder Pal Singh, Prof. Nivedita Bose, Prof. Utpal Barua and Dr. Parveen Kalra were the lead speakers and also chaired the sessions for the day.

In addition to the above speakers and eminent delegates and researchers, established personalities in the field of academics chaired the sessions and were the lead speakers. To quote a few, Dr. Deepti Majumdar, Prof. Parimalam , Prof. Mohammad Muzammil, Prof. K.N. Dewagan, Dr. Ritu Gupta, Prof. Shriram sane, Prof. Sougata Karmakar and Dr. Rauf Iqbal.

The tracks of the conference left no topic untouched. Themes including occupational health, safety and environment, agriculture, sports science and human performance, biomechanics, anthropometry, biomechanics ergonomics in marketing, healthcare systems, musculoskeletal disorders, industrial safety, ageing etc. were covered.

A very special part of the conference was the meeting on December 9, 2016, between the International Ergonomics Association (IEA) and the Executive Body of the ISE to discuss an ergonomics network in BRICS countries (Brazil, Russia, India, China, South Africa). The meeting was chaired by Dr.Yushi Fujita, President IEA. The representatives of the BRICS countries emphasized the expansion of different types of research and technical collaboration among universities and technical institutes of BRICS countries.



The Annual General Body Meeting of the Indian Society of Ergonomics (ISE) was held on December 10, 2016. The meeting was chaired by Dr. A. K. Ganguli, President ISE. Different developments related to the Society were discussed, including important financial issues. It was also decided and announced that Aligarh Muslim University will conduct the next HWWE in December 2017.



The evening ended musically with a cultural show and gala dinner at 'Rangla Punjab', the ethnic resort.

The organizers, Dr. Lakhwinder Pal Singh, Dr.Sarabjit Singh, and Dr. A. Bhardwaj and the organizing department of Industrial and Production Engineering left no stone unturned to ensure a wonderful experience by all delegates and guests.



*** Forthcoming Conferences**



The 2016 Applied Ergonomics Conference had attendees from 19 different countries and a total of 26 international alliance partners.

The 2017 conference is scheduled for **March 27 - 30, 2017** at the Disney's Coronado Springs Resort, Orlando, Florida, USA. The conference website (www.appliedergoconference.org) is currently being updated.

Abstract Submission for Poster Presentation Deadline: November 11, 2016. [Direct link to the submission page](#)

Ergo Cup Submission Deadline: October 28, 2016. [Direct link to submit an application](#)

ISE Members will get Discounted Registration - contact Hony. General Secretary for Alliance Partner Code



2nd Asian Conference on Ergonomics and Design

June 1 - 4, 2017

Chiba, Japan

Towards the Asian center of comfort and functional design

ACED 2017 provides an interdisciplinary platform for encouraging scholarly exchange and dissemination of multidisciplinary ergonomics sciences and practices in Asia. The Indian Society of Ergonomics (ISE) is a council member society of ACED

Schedule and Deadline:

Abstract for general session:	17 Feb 2017	Feedback on acceptance:	Mid Mar 2017
Abstract for organized symposium:	17 Feb 2017	Proceeding paper:	30 Apr 2017

For further information, visit <http://aced2017.org/>



XXIX Annual International Conference International Society for Occupational Ergonomics & Safety

June 1-2, 2017

Washington, USA

Deadlines:

Abstract Submission (350 Words): Feb 28, 2017 Acceptance Notification: March 15, 2017
Final Abstract/Paper Submission: March 30, 2017

Virtual Sessions : For the first time - International Participants Only

President & Conference Chair: Dr Rammohan V Maikala, email: rammohan.maikala@providence.org
Check www.iso.es.info for more details on the conference.



The 1st International Symposium on Human Mental Workload: Models and Applications (H-WORKLOAD 2017) will be held in Dublin (June 28-30, 2017) at Dublin Institute of Technology, Ireland, in association with the Irish Ergonomics Society Annual Conference 2017.


The symposium aims to become the premier event for discussion of emerging research on mental workload and its models and applications. It will bring together researchers and practitioners from different disciplines including human factors, computer science, psychology, education, and neuroscience and provide a mechanism for the exchange of ideas and technologies between a worldwide audience of academics and industrial scientists.

The call for papers is now open and will close on 7th February 2017.

Website: <http://www.hworkload.org/2017/call-for-papers/>

*** Knowledge base**



Healthy Ram



ARE DAILY TRAFFIC JAMS STRESSING YOU OUT?

Use the time to get fit with these exercises:

- Do gentle stretches before you get into your car.
- Keep a hand gripper in the car, and strengthen your hands, wrists and arms as you wait.
- Play some calming music, do deep breathing exercises.



Pass on this message to your family and friends & show them you care about their health as much as they do!
If you have comfort or health queries related to office environment,
email Goergo@interio.com or WhatsApp us at +91 7500364276 [in](#) [Goergo@interio](#) [Goergo@interioAU](#) [Goergo@interio](#) [Goergo@interio](#)

WELLNESS TIPS!



*This information is not intended as an alternative to personal, professional medical advice. The reader should consult a physician in all matters relating to health, and particularly in respect of any symptoms which may require diagnosis or medical attention. The advice and information given in this material are intended to be accurate and true at the time of writing with you and have been issued in good faith. Goergo & Bopla PVT. Co.Ltd shall not accept any legal responsibility or liability for any errors and omissions that may have been made.