



# ISE Newsletter

Quarterly newsletter of the INDIAN SOCIETY OF ERGONOMICS (ISE)

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### \* International level short course on Biomechanics, Chennai, 19 - 21 March 2018

### Forthcoming International events:

### ▪ 2018 Applied Ergonomics Conference, March 27-30, 2018, Orlando, USA

### ▪ Ergonomics 2018 – Emphasis on Well-Being Conference, 7<sup>th</sup> International Conference sponsored by the Croatian Ergonomics Society, June 13-16, 2018, Zadar, Croatia

### ▪ IEA 2018 – 20<sup>th</sup> Congress of the International Ergonomics Association 26 – 30 August 2018, Florence, Italy

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

## \* **Welcome New members!**

ISE Newsletter welcomes the following new Life Members:



**L-465 Suresh Subramoniam, Trivandrum**

## \* **Achievements**

**Eshwer Singh**, Consultant Human factor Specialist and Clinical Psychologist, CLZS, Hindustan Zinc Ltd., Chittorgarh, Rajasthan has successfully completed the BOHS – Ergonomics & Manual Handling module from the British Occupational Health society. Congratulations.

## \* **Member Activities**

### **2<sup>nd</sup> National Training on Advanced Instrumentation in Ergonomics for Occupational Health Research at ICMR-NIOH Ahmedabad**

**08 - 10 November 2017**

The ICMR-National Institute of Occupational Health organized the 2nd National Training on Advanced Instrumentation in Ergonomics for Occupational Health Research during 08-10 November 2017.

The training programme consisted of instructional lectures followed by demonstrations/ hands on experience on various aspects of ergonomics instrumentation for judicious utilization of human resources in ergonomics research. The topics covered were Introduction to Ergonomics, Anthropometrics & Human Strength, Design Ergonomics, Physical Ergonomics & Occupational Biomechanics, Subjective Ergonomics and Bio-informatics in Occupational Ergonomics Research.



Thirty participants from 12 states of India from IIT Kharagpur, All India Institute of Medical Sciences (AIIMS) New Delhi, National Institute of Industrial Engineering (NITIE) Mumbai, SNDT Women's University, Mumbai, National Institute of Technology (NIT) Tiruchirapalli, Sports Authority of India (SAI) Gandhinagar, Banasthali University Rajasthan, Central University of Kerala Kasargod, JSS College of Physiotherapy

Mysore, SP University VallabhVidyanagar, Ganpat University Mehsana, North Eastern Regional Institute of Science and Technology (NERIST) Itanagar, University of Agricultural Sciences (UAS) Dharwad, Punjab Agricultural University (PAU) Ludhiana, MaharanaPratap University of Agriculture and Technology (MPUAT) Udaipur, Dr. Rajendra Prasad Central Agricultural University Samastipur, Haryana Agricultural University (HAU) Hisar, Godrej Mumbai, participated in the training programme.



Five faculty, namely Dr. HG Sadhu, Scientist F, NIOH, Dr. Subir Das, Principal Faculty (Ergonomics), NID, Ahmedabad, Shri. J Majumder, Scientist C, NIOH, Dr. LK Sharma, Scientist C, NIOH delivered lectures during the programme. The demonstrations/hands on experience on various aspects of ergonomics instrumentation were conducted by Shri. J Majumder, Shri. Sanjay Kotadiya, Dr. SP Ashtekar from the Dept. of Occupational Ergonomics, NIOH Ahmedabad. The 3-days training programme ended with distribution of certificates to the participants.



## IIT-Madras develops app to capture real-time data on road accidents

Nov 10, 2017

Tamil Nadu health minister C Vijay Baskar launched a mobile app to record road accidents in the state. The app, developed by IIT-Madras, will capture real-time data from all government hospitals in the state. As a pilot, the app has collected information in trauma and postmortem impressions from five hospitals. "Our aim is to reduce the number deaths due to the accident and also find out how such accidents can be



prevented," said Vijay Baskar while launching the app at a conference at IIT-Madras. The target of Sustained Development Goal (SDG) is to halve the number of global deaths and injuries from road traffic accidents by 2023. "To achieve this, it is essential to ensure timely referral and definitive treatment for the injured victims within the golden hour," the minister said. The app will be used to study six major categories - road accidents, fall injuries, assault cases, surgeries, head injuries and mode of patient transfer.

It would be extended to all the government hospitals under the programme, said VenkateshBalasubramanian of the department of engineering design at the IIT-Madras. "While the aim is to increase the survival rate of the injured people, we will be able to do research on the reasons for the cause of trauma with the type of injuries. This will also help us prevent accidents," he said.



The 182-year old Madras Medical College will be part of the Australia-India Trauma System (AITSC), which brings together the two governments, industry, clinicians and researchers to improve information and resources and pilot new systems of emergency care. The state initiative is being led by the Tamil Nadu Accident and Emergency Care Initiative (TAEI), a new wing formed under the state health department to bring down fatalities in road traffic accident. The TAEI was formed after the state had been continuously topped the country in the number of road accidents and fatalities.

### \* Alliance partner: Applied Ergonomics Conference

ISE reminds its members that it is an International Alliance Partner for the Applied Ergonomics Conference 2018 (AEC 2018), to be held in Atlanta, Georgia, USA, from 26 to 29 March 2018, and this entitles ISE members to discounted registration to the 21<sup>st</sup> Annual Applied Ergonomics Conference. Please select the "Alliance Partner" option on the conference online registration page, and then select the appropriate organization from the pull down menu, and finally enter the Alliance Partner Code (available on request from the Hony. General Secretary). See details in "Forthcoming Conferences" section below.



The 15<sup>th</sup> meeting of the Indian Society of Ergonomics and HWWE 2017 was held at the Department of Mechanical Engineering, at the Aligarh Muslim University, Aligarh, UP. The theme of the conference was "Ergonomics for Improved Productivity". The Chief Guest of the Conference was Professor Louis E. Freund, San Jose University, USA while Professor Tariq Mansoor, Vice Chancellor, Aligarh Muslim University, Aligarh presided over the inaugural function. Dr. Zakwan Ahmed, Director General R & M & Impl, DRDO was the Guest of Honour. The Chief Guest emphasized the need to create a better working environment to enhance productivity.



Professor ArunGarg of University of Wisconsin who is a distinguished professor of Ergonomics was conferred the Life Time Achievement Award by the Department of Mechanical Engineering, AMU Aligarh in honour of the services rendered by him to the field. Dr. A K Ganguli, President, Indian Society of Ergonomics highlighted his contribution. The conference received an overwhelming response from both academia and industry. A total of more than 300 delegates participated in the conference. A large number of delegates from countries like USA, Switzerland, Australia, Brazil, Dubai, KSA, Nepal etc. attended the conference.



Professor Tariq Mansoor, Vice Chancellor, AMU with Prof. Jose Orlando Gomes, Vice President and Treasurer, International Ergonomics Association, and Coordinators Prof. Abid Ali Khan and Prof. M. Muzammil

Several keynote Lectures were delivered by experts working in different areas. These include Professor Louis E. Freund, San Jose University, Professor VenkateshBalasubramanyam, IIT Madras, Professor DebkumarChakraborti, IIT Guwahati, Professor B J Martin, University of Michigan, USA, Dr. D Majumdar, Ex-DRDO, Professor Victor Paquet, University of Buffalo, USA, Professor Jose Orlando Gomes, Federal University of Rio de Janeiro, Brazil and Professor Anirudh Joshi, IIT Bombay.



Prof. B.J.Martin speaks at the Valedictory Function

The Conference successfully provided an international forum for academicians, researchers and industrial partners to exchange ideas in the field of Ergonomics/Human Factors Engineering. The delegates emphasized the need to enhance productivity and suggested ways to create better work environment which may lead to a satisfying and sustainable way of life. At the valedictory function of which Professor B. J. Martin of University of Michigan was the Chief Guest, Professor Martin said that he was happy the way people participated in the Conference and presented their high quality research.

Best paper awards in UG, PG and Research Scholar category, sponsored by Springer Nature were also presented. A committee comprising of Professor Louis E. Freund, Dr. TrinathPachal, Professor Omar Farooq and Dr. Imran Shafiq selected the best papers in various categories.



HWWE Coordinators Prof. M. Muzammil, Prof. Abid Ali Khan and Prof. Faisal Hasan hand over the HWWE 2018 logo to the Organizing Secretary, Prof. Bijulal of College of Engineering, Trivandrum, in the presence of ISE President and Treasurer.

Proceedings of the HWWE 2017 will be published by Springer. Selected extended papers shall be published in a special issue on "Ergonomics & Human Factors Engineering" of International Journal of Forensic Engineering & Management (IJFEM).

## \* Forthcoming National Events

### Ergonomics & User Centered Design

12 - 16 March 2018



'Ergonomics and User Centered Design' is essentially the study and application of ergonomics principles throughout the process of design to make it user friendly, safe and cost effective with a view to get optimal human performance. It is concerned with people's strength, abilities and limitations, and with comfort, safety, convenience, and operational requirements.

The key focus of the workshop is to sensitize the participants to the knowledge of ergonomics, principles of its applications and how it can be used as a tool for designing user-friendly products, spaces, systems and work environments and thereby would help them to develop the much needed confidence to face today's highly competitive and saturated global markets.

A certificate of participation will be presented to the participants on successful completion of the Workshop.

The following topics (tentative) will be covered during the workshop:

- Ergonomics, its Application and Principles
- Methods in Ergonomics
- Understanding Design
- Design in Indian Context
- Cognitive Ergonomics
- Ergonomics and Interface Design
- Case Study – Presentation & Discussion
- Application of Human Body Dimensions in Design
- Ergonomic Audit of Products, Spaces and Visuals

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### International level short course on Biomechanics

19 - 21 March 2018

SSN College of Engineering, Chennai in association with Drexel University, USA and Nanyang Technological University, Singapore, is planning to organize a 3-Days "International level short course on Biomechanics" between 19-21 March 2018. Speakers from Drexel University USA, NTU Singapore, IIT Madras, NIT Shillong, DRDO, SRMC and Autodesk are delivering lectures in various advanced topics of Biomechanics

Website: <https://sites.google.com/view/biomechanics-ssn/home>

Convenor: Dr. A Kavitha, Co-ordinators: Dr. M S Alphin & Dr. S Bagyaraj

## \* Forthcoming International Events



The 2018 conference is scheduled for **March 26 - 29, 2018** at the Hilton Atlanta, Atlanta, Georgia, USA. The conference website ([www.appliedergoconference.org](http://www.appliedergoconference.org)) is updated.

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

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### 7th International Ergonomics Conference **Ergonomics 2018 Emphasis on Wellbeing**

The 7<sup>th</sup> International Ergonomics Conference - ERGONOMICS 2018 - Emphasis on Wellbeing will take place from 13-16 of June 2018 in Zadar, Croatia. The Conferences in this series have been organized by the Croatian Ergonomics Society (CES) since 2001.

**Contact:**

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20th CONGRESS  
**INTERNATIONAL ERGONOMICS ASSOCIATION**  
FLORENCE August 26<sup>th</sup>-30<sup>th</sup>, 2018

The Italian Society of Ergonomics is pleased to host in 2018 in Florence, the 20th international IEA conference. It is the first time in the history of the 50 years of the IEA and the SIE that this event will take place in Italy. The theme of the congress is "Creativity in Practice", with reference to the typical challenge of the Italian way to innovation. **Students from middle and low income countries (whose Abstracts are accepted) will get their registration for free and their accommodation for free.**

Website: <http://iea2018.org/>

Important dates:

12<sup>th</sup> February 2018 Notification for accepted Abstracts  
30<sup>th</sup> April 2018 Deadline for Early Bird registrations, and submission of extended papers



**Special session entitled "Health and Welfare of Female Workforce: Ergonomics and Occupational Health Perspective" during by IEA 2018- 20th congress of International Ergonomics Association  
Florence, 26 - 30 August, 2018**

Dr. Urmi R. Salve and Prof. DebkumarChakrabarti inform that a special session entitled "Health and Welfare of Female Workforce: Ergonomics and Occupational Health Perspective" will be a feature of the IEA 2018- 20th congress of International Ergonomics Association (Florence, 26-30th August, 2018). ISE members are requested you to kindly submit your abstract as per IEA guideline through the IEA submission system. You are request you to share the title, Author and affiliation details with us so that we can communicate the same with IEA 2018 organizing committee.

Once we communicate your paper details to IEA 2018 organizing committee, they will send it for specific review. For other general guidelines you are requested to follow IEA 2018 conference website ([www.iea2018.org](http://www.iea2018.org)).

For any related query please contact:


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**Ergofuture 4** is planned for October 28 - November 2, 2018 in Bali, Indonesia

**\* Knowledge Base**




### Healthy Ram



#### THE 3P FORMULA FOR A HEALTHIER YOU.

Mind the 3Ps for an ergonomic & ache-free you.

- **Posture:** Make a conscious effort to sit at 90-90-90 posture as often as you can.
- **Position:** Arrange your keyboard and mouse in front of you so that you don't strain yourself while working.
- **Placement:** Place your monitor screen at one arm distance from you & top of screen at your eye level.



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 Godrej Interio Ergonomics Cell at [wellness@godrej.com](mailto:wellness@godrej.com); or WhatsApp us at +91 7506364276. [in](#) /Godrej-interio [t](#) /Godrejinterio4U [r](#) /Godrejinterio [f](#) /Godrejinterio