



# ISE Newsletter

Quarterly newsletter of the INDIAN SOCIETY OF ERGONOMICS (ISE)

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### Forthcoming International events:

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- [1<sup>st</sup> Asian Conference on Ergonomics and Design 2014, May 21 - 24 May 2014, Jeju, South Korea](#)
- [5<sup>th</sup> International Conference on Applied Human Factors and Ergonomics - AHFE 2014, 19-23 July 2014, Krakow, Poland](#)
- [IEA 2015, 9-15 August 2015, Melbourne, Australia](#)

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

## \* Welcome New members!

ISE Newsletter welcomes the following new Life Members:



**L397 Senthil Arul, Bangalore**

**L398 Wricha Mishra, Mumbai**

**L399 Suhana Ghosh, Kolkata**

**L400 Victor John Sundar, Chennai**

## \* Member Activities

### One week faculty development programme on "Human Factors Engineering"

Department of Industrial and Production Engineering at Dr. B R Ambedkar National Institute of Technology Jalandhar organized Technical Education Quality Improvement Program (TEQIP) sponsored one week faculty development programme on "Human Factors Engineering (HFE)" from July 1 to 5, 2013. The programme was inaugurated by Prof. S K Das, Director of the Institute and the chief guest of the programme. Dr. Dhurjati Majumdar Additional Director DIPAS, DRDO, Delhi was the guest of honour and key note speaker. He enlightened the participants on the use of ergonomics in the design of fighter planes, tanks, and weapons. Dr. Deepti Majumdar, Scientist D, DRDO, Delhi, spoke on musculoskeletal disorders in various occupations.

Dr. Rohineesh Khurana from PAU Ludhiana discussed the role of HFE in agriculture tools and machinery. Dr. L P Singh detailed the issues related to work postures in various occupations and discussed the various tools related to Work Posture Analysis, with case studies. Dr. M N Qureshi, from MSU Vadodra, emphasized role of HFE in enhancing quality and productivity at the organizational level.



*(R to L) Dhurjati Majumdar (Addl. Director DIPAS, DRDO Delhi), L P Singh (Coordinator), S K Das (Director NIT-J), A Sachdeva (Coordinator) and Sarbjit Singh (Convener)*



*L P Singh addressing the audience during the Valedictory function*

## **Symposium at 8<sup>th</sup> International Conference on Prevention of Work-related Musculoskeletal Disorders (PREMUS 2013)**

Dr. Somnath Gangopadhyay, Associate Professor and Samrat Dev, Sr. Research Fellow from Occupational Ergonomics Laboratory, Department of Physiology, University of Calcutta attended the 8th International Conference on Prevention of Work-related Musculoskeletal Disorders (PREMUS 2013), hosted by the Pusan National University School of Medicine and Korean Society of Occupational and Environmental Medicine at Busan, South Korea from July 7 to 11, 2013. The conference was supported by the International Commission on Occupational Health (ICOH) and the Korea Occupational Safety and Health Agency (KOSHA). There was an aggregation of 341 scientists from different countries including India, United States of America, Canada, Denmark, Sweden, Finland, Ireland, Australia, Netherlands, New Zealand, United Kingdom, France, Italy, Korea, Japan, China, Hong Kong, Malaysia and Thailand.

Dr. Gangopadhyay chaired the symposium on “Design and evaluation of interventions to prevent MSDs” and also delivered a lecture entitled “Interventions to prevent MSDs”. In this symposium Prof. Jodi Oakman from Australia talked on "A toolkit for workplace use in preventing MSDs, Dr. Suparna Damany from USA discussed the "Implementation of a specific comprehensive computer injury protocol in the workplace". Samrat Dev, jointly with Dr. Gangopadhyay, presented on Intervention in Developing Countries and on “Work Related Factors associated with the development of Musculoskeletal Disorders among the Bus Conductors of Kolkata”.



*(L to R) Samrat Dev and Somnath Gangopadhyay*



*(L to R) Samrat Dev, Suparna Damany, Somnath Gangopadhyay and Jodi Oakman during the symposium on Design and evaluation of Interventions to Prevent MSDs*

## **TEQIP-II sponsored Two-day research workshop on "Ergonomics: Application in Engineering and Industrial Design"**

A two-day research workshop on ‘Ergonomics: Application in Engineering and Industrial Design’ sponsored by TEQIP-II (Technical Education Quality Improvement Programme Phase-II) was held at the PSG College of Technology, Coimbatore, on August 24 to 25, 2013. The resource person was Dr. Sougata Karmakar, Assistant Professor, Department of Design, Indian Institute of Technology - Guwahati, and the Programme Coordinator was Dr. G Madhan Mohan, Assistant Professor, Department of Production Engineering, PSG College of Technology, Coimbatore.

During the Inaugural Function of the workshop, Dr. K. Prakasan, Professor and Head, Dept. of Production Engineering, PSG College of Technology, Coimbatore delivered the Presidential address. The workshop, which comprised of eight sessions including four practical/ hands-on experimental sessions, covered Fundamentals of Ergonomics, Visual Ergonomics in Display Design, Application of Anthropometric and Bio-mechanical Data in Product Design, Ergonomics of Hand-tool Design, Virtual Ergonomics Evaluation Techniques, Visual and Tactile Information Processing in Product Selection.

There were twenty two participants from various disciplines of engineering like mechanical, production, automobile, computer science and physical education.



*Sougata Karmakar*

### **International Computer Science and Engineering Conference (ICSEC 2013), Bangkok, Thailand**

Dr. Sougata Karmakar, from the Indian Institute of Technology (IIT) - Guwahati attended the International Computer Science and Engineering Conference (ICSEC 2013) held in Bangkok, Thailand during September 4 to 6, 2013, and presented a paper entitled "Proactive Ergonomics through Digital Human Modeling and Simulation for Product Design Innovation: A Case Study" (B. Udaykumar, A. Bora, J. Sanjog and S. Karmakar).

### **International Conference on Ergonomics (ICE 2013), Kuala Lumpur, Malaysia**

Five Indian delegates including Prof. Debkumar Chakrabarti and Dr. Sougata Karmakar from IIT Guwahati, Dr. S. Darius Ganaraj from Karunya University, and Dr. Shaik Abdul Rahim from Yenepoya University attended the International Conference on Ergonomics (ICE 2013) organized by the Centre for Product Design and Manufacturing, University of Malaya, Malaysia, at Kuala Lumpur, Malaysia during September 2 to 4, 2013, and presented their research findings. Associate Professor Dr. SitiZawiah Md. Dawal was the Conference Chair.

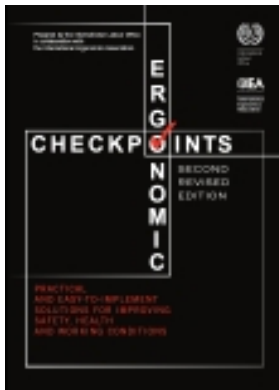


*Debkumar Chakrabarti*

## \* Knowledge Base

### Ergonomics Checkpoints

Ergonomic checkpoints: Practical and easy-to-implements solutions for improving safety, health and working conditions. *Second edition* ISBN: 978-92-2-122666-6, ILO: Geneva, 2010.



With the cooperation with IEA, the ILO has published the revised version of "Ergonomics Checkpoints". The original version of the checkpoints was published in 1996 and has been a popular training and practicing material worldwide since then. The checkpoints aim at reducing work-related accidents and diseases and improving safety, health and working conditions. The new edition presents 132 realistic and flexible solutions to ergonomics problems which are designed to a whole range of workplace situation. More full-colors illustrations and more practical tools (including checklist template and action indication) are provided.

[Click here for free download \(Access by courtesy of ILO\)](#)

## \* Forthcoming conferences



HWWE2013

4-6 December 2013, Vidyasagar University, Midnapore, West Bengal, India

*Ergonomics for Rural Development*

The 11<sup>th</sup> Meeting of the ISE and HWWE 2013 will be held from December 4 to 6, 2013 at Vidyasagar University, Midnapore, West Bengal.

The [Second Announcement](#) of this event has been released.

### Major Thrust Areas

- Ergonomics for Rural Development
- Ergonomics and Agriculture
- Work and sports Physiology
- Anthropometry work station layout
- Office Ergonomics
- Safety at work
- Environmental ergonomics
- Cross cultural ergonomics
- Posture and musculoskeletal disorder
- Basic Ergonomics
- Design ergonomics
- Work Psychology
- Physical and Cognitive Ergonomics
- Methods in ergonomics
- Industrial Ergonomics
- Consumer Ergonomics and Product Liability
- Women at work
- Household ergonomics

**Language of the Conference:** English is the official language of the Conference.

### Deadlines & Important Dates

Registration Open:	1 September, 2013
Early Bird Reg. Deadline:	1 November, 2013
Last Date of Registration:	20 November, 2013
Submission of information regarding travel plan and accommodation:	First week of November, 2013



**Contact:**

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**Applied Ergonomics Conference 2014****March 24 - 27, 2014, Orlando, Florida, USA*****Practitioners talking with practitioners***

The 17th Annual Applied Ergonomics Conference (AEC), presented by GOErgo, a worldwide resource dedicated solely to the support of the profession and individuals involved with improving workplace performance, quality, sustainability and employee availability is scheduled for March 24 to 27, 2014 at the Hilton Orlando in Orlando, Florida, USA.

Presenters are practitioners sharing real-world experiences and practical solutions to common problems in industry. This conference provides comprehensive and broad-spectrum education for employees at all levels, an opportunity to nominate a practitioner or student for the Creativeness in Ergonomics (CE) Practitioner and Student of the Year Awards, and an avenue for students/job seekers to meet potential employers.

For additional information, please visit the Applied Ergonomics Conference website:

<http://www.appliedergoconference.org/>, <http://www.iienet2.org/ergo/Conference/>

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**1<sup>st</sup> Asian Conference on Ergonomics and Design 2014****21 – 24 May 2014, Jeju, South Korea*****New Challenge in Asian Ergonomics and Design***

This initiative is the beginning of a new conference series in Asia that focuses on newly emerging fields of ergonomics and design. Geographically, ACED aims to span all the Asian-Pacific regions. This would open a new platform for all pan-Asians scholars and practitioners to get together and discuss issues of academics and industry.

Abstract submission: November 30, 2013

Notification of paper acceptance: January 15, 2014

Submission of camera-ready full papers: February 28, 2014

Early registration: March 31, 2014

*General Chair:* Jung-Yong Kim (Hanyang University, South Korea)

*Organizing Committee Chair:* Sung H. Han (POSTECH, South Korea)

**ACED2014 Secretariat:**

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The 5<sup>th</sup> International Conference on Applied Human Factors and Ergonomics 2014 and the Affiliated Conferences will be held at Krakow, Poland, from July 19 to 23, 2014.

To join the mailing list, please contact the **Conference Administrator, L. Abell**, [aeiadmin@insightbb.com](mailto:aeiadmin@insightbb.com)

All submissions should be done through the **website**: [www.ahfe2014.org](http://www.ahfe2014.org)

**Summary of Requirements & Deadlines**

	<b>Abstract Length</b>	<b>Deadline for Abstract Receipt</b>	<b>Notification of Review Outcome</b>	<b>Deadline for Receipt of Accepted Papers</b>
Paper presentations	500 words	15 Nov 2013	15 Dec 2013	1 March 2014
Posters/demonstrations	500 words	15 Apr 2014	*	not applicable
Special interest groups	500 words	15 Nov 2013	15 Dec 2013	1 March 2014
Tutorials	500 words	15 Nov 2013	15 Dec 2013	1 March 2014

\* Since frequently the intent of posters is to convey late-breaking scientific news and work in progress, they will be promptly peer reviewed as they are received

**Conference Address:**

AHFE 2014 Conference Administrator, P.O. Box 99712, Louisville, KY 40269, USA



**19<sup>th</sup> Triennial Congress of the International Ergonomics Association**

**9 - 14 August 2015, Melbourne, Australia**

***Reaching Out***

**[IEA 2015](#)**