



# ISE Newsletter

Quarterly newsletter of the INDIAN SOCIETY OF ERGONOMICS (ISE)

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No. 2

## Editorial Board Members

|                       |              |                                  |
|-----------------------|--------------|----------------------------------|
| A. K. Ganguli         | Trichy       | akg (at) bheltry.co.in           |
| Debkumar Chakraborti  | Guwahati     | dc (at) iitg.ernet.in            |
| Prakash Chandra Dhara | Midnapur, WB | prakashdhara (at) rediffmail.com |
| R Iqbal               | Mumbai       | rauf_iq (at) yahoo.com           |
| Dhurjati Majumdar     | Delhi        | majum55 (at) yahoo.com           |
| Chandan Kumar Pradhan | Kolkata      | ckpradhan.ise (at) gmail.com     |
| Debasis Sen           | Kolkata      | devashishsen_12 (at) yahoo.co.in |

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### Forthcoming International events:

- [2<sup>nd</sup> International Conference on Ergonomics, 2-4 September 2013, Kuala Lumpur, Malaysia](#)
- [2013 International Annual Meeting of the Human Factors and Ergonomics Society, September 30-October 4, 2013, San Diego, California, USA](#)
- [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:

L394 V Sasikala, Chennai

L395 Shiv Pratap Singh, Bhubanewsar

L396 Kallol Kumar Halder, Kolkata



## \* Member Activities

### Seminar on Advances in Manufacturing: From Robotics to Ergonomics

A two day seminar on Advances in Manufacturing: from Robotics to Ergonomics was organized by the Department of Electrical Engineering and Mechanical Engineering of Asansol Engineering College, Asansol, WB, on 3<sup>rd</sup> and 4<sup>th</sup> May 2013. The program was formally inaugurated by lighting the lamp by Professor Debamalya Banerjee (JU) and Professor Subhasis Bhaoumik (BESU). The organizing Secretary of the Seminar, Prof. Tirtharaj Sen welcomed all the dignitaries. Prof. Bijay Krishna De, Principal of Asansol Engineering College delivered the introductory address. Mr. Atin Chaudhury, Advisor of Asansol Engineering College was present along with nearly one hundred students and faculty members from different colleges across the state.



*Prof. Debamalya Banerjee lighting the Inaugural lamp in the presence of Prof. Subhasis Bhaoumik and Dr. B.K. De*



*A view of the dais during the inauguration*

In the first session Prof. Debamalya Banerjee (JU) highlighted the basics as well as recent trends in Ergonomics. In the second session Prof. Subhasis Bhaoumik (BESU) addressed the imagination of the audience by relating the application of robots to their fabrication. In the third session, Prof. Somnath Gangopadhyay of the department of Physiology, University Colleges of Science & Technology, Calcutta University spoke on the fundamentals of ergonomics, physiological aspects, health impact of different parameters of working environment vis-a-vis the design aspect of machines and the accessories we need to work. In the fourth session Prof. Bijan Sarkar of the department of Production Engineering (JU) ignited the minds of participants by his spellbinding speech on Robotics. In the valedictory session, Prof. Jagdeo Mahto, Head, Department of Electrical Engineering, Asansol Engineering College, proposed the vote of thanks. Principal Dr. B.K. De and the Advisor Mr. Choudhury appreciated the efforts of the organizers for arranging such an attractive and relevant seminar.

## Website on drudgery management of farm women launched

A website on drudgery management of farm women <<http://www.dmfw.org/>> was launched by Prof.O.P.Gill, Vice Chancellor, Maharana Pratap University of Agriculture and Technology (MPUAT), Udaipur, Mara Sovey, President, John Deere Foundation, USA, and Nate Clarke, Vice President, John Deere Foundation, USA, on 26<sup>th</sup> April 2013 at MPUAT, Udaipur, Rajasthan.



The other dignitaries present on the occasion were Mukul Varshney, VP Corporate Affairs, John Deere India, Arun Pandey, Asst. Manager, John Deere Foundation, India, and members and senior officials of the university.

In addition to website launch, IEC (Information Education & Communication) material related to drudgery reduction of Farm women was also released, including:

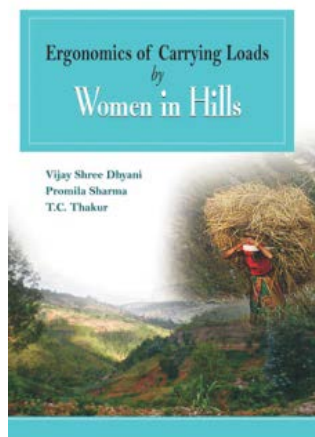
- A flip book titled, “*Takneeq ki baat Kheti ke sath*”;
- A table calendar, “*Saksham nari kabhi na Haari*”;
- A video CD, “*Women and Technology: Miles to Go*” – “*Ek Kadam Aur Phir Sunhari Bhor, Badh chalen hai kadam unnat takneeq ki oor*”;
- A slogan book on drudgery reduction technologies;
- A booklet on environment building in development programmes;
- Eight folders depicting comparison of Traditional and Improved agri techniques.

The above material were designed and developed by the project team under the research project on “Mitigating hardship of Indian women farmers through technology intervention” funded by John Deere Foundation, of which Prof. Suman Singh is the Principal Investigator and Dr. Hemu Rathore is the Co-Principal Investigator. The committed Senior Research Fellows who have contributed to designing the aids and implementation of the project are Ms. Charu Sharma, Ms. Pratiksha Singh, Ms. Shalini Kumawat and Ms. Charu Choudhary.

To obtain the above IEC material or for more details, contact Prof. Suman Singh at [sumanfrm@gmail.com](mailto:sumanfrm@gmail.com).

## Book release: Ergonomics of Carrying Loads by Women in Hills

The book attempts to focus on the methodologies for carrying the ergonomic research on load carrying activities in systematic and concise manner and it investigates changes in the physiological responses and perceived exertion due to loads, modes, grades and environmental conditions, the most critical factors in the hill-women life. Generation of anthropometric data on hill women is required to develop appropriate technologies for their better health and well-being. This book also contains information regarding development of external frame backpack which was tested in the field and laboratory conditions. The developed L-shaped external frame backpack brought down the level of physiological cost and perceived exertion, and also did not cause any discomfort or pain in joints while carrying loads, as reported by the hill women.



Author : Vijay Shree Dhyani, Promila Sharma, T.C. Thakur  
Year of Publication: 2013  
ISBN : 9788180699306  
Language : English  
Binding : Hard Bound  
No of Pages : 180  
Price : Rs.550.00 (Free shipping)  
Publisher : Concept Publishing

[Click here for more details](#)

### \* Knowledge Base

#### Ergonomics Theory in Computer Mouse Design

In this reprint from The Ergonomics Report, Peter Budnick sets out to document the underlying ergonomics theories behind the design of various styles of the ubiquitous computer mouse. Tracing its beginnings back to the 1960's, he attempts to categorize them by style, such as forearm flat, forearm angled, specialized grips, touch pad, foot mouse, etc., offering an opinion regarding the potential benefits and concerns for each. [Click here to read the full article.](#)

### \* Forthcoming conferences



**2<sup>nd</sup> International Conference on Ergonomics,  
2-4 September 2013, Kuala Lumpur, Malaysia  
Future Centred Design**

The Centre for Product Design and Manufacturing (CPDM), University of Malaya, is organizing the 2<sup>nd</sup> International Conference on Ergonomics (ICE 2013) from 2-4 September 2013 at Kuala Lumpur. The goal of the conference is to provide an international forum for the dissemination and exchange of scientific information on theoretical, generic and applied areas of ergonomics. The theme of the conference is "Future Centred Design"

#### Important dates

|                            |  |            |                    |
|----------------------------|--|------------|--------------------|
| Paper submission           | 31 May 2013  | Workshop   | 2 September 2013   |
| Notification of Acceptance | 15 June 2013   | Conference | 2-4 September 2013 |
| Registration               | <b>15 August 2013</b> <span style="background-color: yellow;">New</span> |            |                    |

## Contact details

Centre for Product Design and Manufacturing (CPDM), University of Malaya, Kuala Lumpur, Malaysia

**Phone:** (603) 7967 7625; **FAX:** (603) 7967 5330;

**email:** [ice2013cpdm@gmail.com](mailto:ice2013cpdm@gmail.com) **website:** <http://umconference.um.edu.my/ice2013>

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## 2013 International Annual Meeting of the Human Factors and Ergonomics Society

**September 30-October 4, 2013**

**Hilton San Diego Bayfront, San Diego, California, USA**

Human Factors and Ergonomics Society's [2013 International Annual Meeting](#), is to be held in San Diego, USA, and includes:

- \* Keynote speaker, Annie Murphy Paul, journalist, author and Time magazine columnist on learning
- \* User Experience Day with keynote speaker August de los Reyes of Microsoft
- \* System Development (human-systems integration) Day-and-a-Half with guest speaker, six technical sessions, and networking events
- \* Interactive demonstrations of virtual environment simulators, flight simulation software, and a low-gravity environment motion-tracking system developed in part with NASA
- \* Facility tours of Qualcomm, Intuit, San Diego Gas & Electric, and more

**IEA Federated Society 20% Discount:** As an IEA federated society, ISE members will receive the HFES member discount rate for registration to the International Annual Meeting.

The meeting will be held at the Hilton San Diego Bayfront in San Diego, USA, 30 September □ 4 October, 2013. Approximately 1,500 professionals in a variety of fields will gather to network and exchange knowledge on a vast range of topics, including patient safety, distracted driving, human-robot interaction, aging, workplace safety, human-systems integration, and much more.

View the [preliminary program](#) and [meeting homepage](#) for more details.

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**2013 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 4-6 December 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.

**Call for Papers:**

Research papers, observations and findings are invited from diverse areas of ergonomics. Please e-mail an abstract of about 300 words stating the topic area to: [hwwe2013.vu@gmail.com](mailto:hwwe2013.vu@gmail.com) For details regarding electronic submission, please visit the [HWWE'2013 website](#).

**Deadlines & Important Dates**

| Paper Submission   | Registration                                 |
|--|--|
| Abstract Submission: 15 August, 2013   | Registration Open: 1 September, 2013         |
| Authors notified by: 1 September, 2013   | Early Bird Reg. Deadline: 1 November, 2013   |
| Final Paper Submission: 30 September, 2013   | Last Date of Registration: 20 November, 2013 |
| Submission of information regarding travel plan and accommodation:<br>First week of November, 2013 |  |

**Contact:**

Organizing Secretary - Prof. Prakash C. Dhara, Professor & Head, Department of Human Physiology with Community Health, Vidyasagar University, Midnapore– 721102, West Bengal, INDIA

Phone: +91- 9433226695; FAX: +91-3222-2753129;

email: [hwwe2013.vu@gmail.com](mailto:hwwe2013.vu@gmail.com) website: <http://vidyasagar.ac.in/seminar/hwwe2013>



**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 focusses 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.

- Call for papers: March 15, 2013
- Online submission open: August 1, 2013
- 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:**

Address: UNIST (Ulsan National Institute of Science and Technology)  
50, UNIST-gil, Eonyang-eup, Ulju-gun, Ulsan, 689-798, Korea  
Tel : +82-52-217-2711  
E-mail : [aced2014.secretariat@gmail.com](mailto:aced2014.secretariat@gmail.com)  
Website: <http://www.aced2014.org/>



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 19 to 23 July 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](#)**