



ISE Newsletter

Quarterly newsletter of the INDIAN SOCIETY OF ERGONOMICS (ISE)

Vol. 16

July – September 2012

No. 3

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 |

CONTENTS:

* [Welcome New Members](#)

* [Member activities](#)

Avinash Konkani awarded the 2012 Michael J. Miller Scholarship

TEQIP Sponsored SDP Workshop on Ergonomics in Workplace

Workshop on "Ergonomics and User Centered Design"

* [Forthcoming conferences](#)

Forthcoming National events:

- **HWWE 2012:** International Conference on Ergonomics and Human Factors, 6-8 December 2012, Pantnagar
- 4th International Conference on Research into Design (**ICoRD'13**): 7-9 January 2013, IIT Madras, Chennai

Forthcoming International events:

- Human & organisational factors in the oil, gas & chemical industries, 9-10 October 2012, Aberdeen, Scotland
- **USE 2013**, 19-22 February 2013, Nelson, New Zealand
- **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:



L381 Deepa Vinay, Pantnagar

L382 Intkhab Alam, Lucknow

L383 Pratibha Joshi, Almora



L384 Neeraja Telaprolu, Hyderabad

L385 Indu Karki, Ludhiana



L386 Parish Prakash Nalavade, Kharagpur

L387 K Rajesh Kannan, Coimbatore

* Member Activities

Avinash Konkani awarded the 2012 Michael J. Miller Scholarship



Avinash Konkani has been awarded the 2012 Michael J. Miller Scholarship of \$2,500 from the Association for the Advancement of Medical Instrumentation (AAMI) Foundation. He is one of just two students to receive the 2012 Michael J. Miller Scholarship from the Association for the Advancement of Medical Instrumentation (AAMI) Foundation.

Pursuing a doctorate in Oakland University's Department of Industrial and Systems Engineering, Konkani hopes for a career as a human factors specialist in a hospital or in the medical device industry. The prestigious scholarship was awarded for his work to reduce noise levels in a paediatric intensive care unit.

"Patients in intensive care units typically are surrounded by a lot of noise, such as false alarms from medical devices and sound produced by staff and visitors," Konkani explained. "By finding ways to reduce the noise and number of false alarms, we can create a better environment for the patients, as well as the clinicians." Konkani said. "Increased noise levels can lead to distraction, which raises the potential for human error. Part of what I want to do as a human factors engineer is to make medical technology more user-friendly to further reduce the risk of mistakes." These efforts have already made an impact, helping spur development of a behavioral modification program that enables hospital employees to better understand the physiological effects of noise on patients and health professionals.



TEQIP Sponsored SDP Workshop on Ergonomics in Workplace



The TEQIP - Technical Education Improvement Programme sponsored Staff Development Programme (SDP) Workshop on Ergonomics in Workplace was organized by the Department of Mechanical Engineering, North Eastern Regional Institute of Science and Technology, Nirjuli, Arunachal Pradesh on 22-26 June, 2012.

The topics covered included: Ergonomics Awareness, Office Ergonomics, Ergonomics of Manual Work, Ergonomics for Human Safety and Productivity, Engineering and Innovation, Visual Ergonomics, Preventing Musculoskeletal Disorders, Ergonomics

in Virtual Environments, Employee Productivity Improvement by, Design Ideation for Elderly, and Work Smart Ergonomics.

Prof. A. M. Chandra, Dr. S. Mukherjee, Dr. S. Gangopadhyay from Calcutta University and Prof. Debkumar Chakrabarti, Dr. Sougata Karmakar from Indian Institute of Technology (IIT) Guwahati apart from Mr. T Patel of Agricultural Engineering Department and Prof. M. Muralidhar of Mechanical Engineering Department of NERIST were the resource persons. The programme was coordinated by Debabrata Maji of the Mechanical Engineering Department.

Some of the recommendations made by the workshop are:

- Small projects can be developed in ergonomics
- Occupational safety and health aspects may be looked into for the institute assets
- Utility of the workshop can be followed up by the participants
- Workers comfort with scientific approach may be considered for offices
- Employees should use ergonomics knowledge at their work places and suggest modifications, wherever required
- Furniture and context of use should be checked. Buildings should be barrier free for physically challenged / senior employees
- Age related issues are to be considered with respect to ergonomics
- Interaction with other institutes like IITs, NITs, FTI, CIT and university may be considered.
- Workshop will be organized in collaboration with NERIST and other NGOs of the region.



Workshop on “Ergonomics and User Centered Design”

A three day workshop on ‘Ergonomics and User Centered Design’ was organized by the National Institute of Design (NID), from 19-21 September 2012 at its Paldi, Ahmedabad campus. The anchor faculty was Dr. Subir Das, Senior Faculty (Ergonomics). The other faculty members were Prof. Anil Sinha and Prof. Shashank Mehta.



There were total 12 participants from different fields. Some of them were from industries like Crompton Greaves Ltd., Mumbai; Godrej Interio, Godrej & Boyce Mfg. Co. Ltd, Mumbai; WIPRO, Bangalore; John Deere India Pvt. Ltd, Pune and RockeTalk, Gurgaon. Others were Professors (NIFT, Hyderabad), architects and students from different institutes.



To sensitize the participants to the knowledge of ergonomics, and how it can be used as a tool for designing user-friendly products, tasks and work environments, inputs were given on basics of ergonomics and user centered design; elements and principles of design; anthropometry in designing products and spaces; interface design; ergonomics of space; design in Indian context and methods in ergonomics. Live projects on ergonomics were shown as case studies.



To get hands-on experience, participants form groups and carried out assignments like ergonomic analysis of the products/spaces/interfaces, pointing out the design deficiencies and scope for design improvements. Participants also pointed out body dimensions need to be considered with proper justification and reference to Indian anthropometrics.

* Forthcoming conferences



Human & organisational factors in the oil, gas & chemical industries

9-10 October 2012, Aberdeen

This event is organized by the Institute of Ergonomics & Human Factors.

For programme details and how to book, go to www.ogc2012.org.uk



2012 International Conference on Ergonomics and Human Factors

6-8 December 2012

G. B. Pant University of Agriculture & Technology, Pantnagar

"ERGO 2012 : SAFETY FOR ALL"

HWWE 2012 will be held at Department of Family Resource Management, College of Home Science G.B. Pant University of Agriculture and Technology Pantnagar, Uttarakhand.

All submission will be electronic.

Important Dates

Registration:

Online registration open: 1st September, 2012

Early bird reg. deadline: 1st November, 2012

Presenter reg. deadline: 20th November, 2012

Paper Submission:

Final paper submission: 30th September, 2012

Best Paper Award

Best Paper Award for various themes: Papers recommended by the reviewers will be considered by the programme Committee for this Award and will be highlighted in the programme and proceedings. The following awards with a citation and cash awards are available for eligible participants.

1. Best original research paper at doctoral level
2. Best original research paper at pre-doctoral level
3. Product design competition

Contact Person

Organizing Secretary: Deepa Vinay

Professor & Head, Department of Family Resource Management, College of Home Science, G.B.P.U.A.&T., Pantnagar, U.S.Nagar, Uttarakhand, INDIA, PIN Code – 263145

Phone: +91 5944 234009 Fax: +91 5944 233637 email: deepasharma1416@rediffmail.com

Website: <http://www.hwwe12.org>



Indian Institute of Technology Madras, Chennai (IITM) and Indian Institute of Science, Bangalore (IISc) are jointly organizing the 4th International Conference on Research into Design (ICoRD'13). The conference is scheduled to be held at IITM, Chennai, India during 7-9 January 2013.

Topics include:

- Human factors in Design
- Design for X (Safety, Manufacture, Assembly, Cost, Reliability etc.)
- Applications in Practice (Automotive, Aerospace, Biomedical-Devices, MEMS, etc.)
- Eco-Design, Sustainable Manufacturing, Design for Sustainability

For more information, **Contact:**

Raghu Prakash and Amaresh Chakrabarti, Chairs, ICoRD'13

ICoRD'13 Conference Secretariat

Machine Design Section, Department of Mechanical Engineering, IIT Madras, Chennai - 600 036, India

Email: icord2013@pallava.iitm.ac.in

website: www.icord2013.iitm.ac.in



Understanding
Small Enterprises

19 - 22 February 2013, Nelson, New Zealand

A Healthy Working Life in a Healthy Business

USE conferences provide a forum to enhance understanding of small enterprises and have a unique focus on the well-being of both people and business. USE2013 will focus on sharing knowledge about transforming understanding of small enterprises into practice to help create healthy working lives in healthy businesses. This is reflected in USE2013's conference theme: From USE to action: transforming our understanding of small enterprises into practice to create healthy working lives in healthy businesses.

The conference sub-themes are as follows:

- Understanding small enterprises
- Engaging, regulating and working with small enterprises
- Healthy work and people (Occupational health and safety in small enterprises; work environment; work health promotion; sustainability; psycho-social working environment; quality of work; training and education; best practice; interventions in small enterprises; programme evaluation; intervention effectiveness research; methodologies and approaches; case studies; exemplars of research to practice)
- Business sectors and specific groups

Key dates:

| | |
|-----------------------|----------------------------------|
| 1 October 2012 | Standard registration fees apply |
| 1 October 2012 | Referee comments to authors |
| 1 November 2012 | Submission of final full paper |
| 19 - 22 February 2013 | Conference |

Contact:

Professor Stephen Legg, USE2013 Conference Chair

Phone: + 64 (0)6 350 5309, Email: info@useconference.com

Website: www.useconference.com



19th Triennial Congress of the International Ergonomics Association

9 - 14 August 2015, Melbourne, Australia

IEA_2015

Theme: *Reaching Out*
