



ISE Newsletter

Quarterly newsletter of the INDIAN SOCIETY OF ERGONOMICS (ISE)

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- [11th Meeting of the ISE and HWWE 2013](#), 4-6 December 2013, Vidyasagar University, Midnapore, West Bengal

Forthcoming International events:

- [5th International Conference of Ergonomics](#), 12-15 June 2013, Zadar, Croatia
- [2nd International Conference on Ergonomics](#), 2-4 September 2013, Kuala Lumpur, Malaysia
- [5th 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:



L389 Tirtharaj Sen, Asansol

L390 Joydeep Majumder, Ahmedabad



L391 K Krishnaraj, Chennai

L392 K Karthikeyan, Chennai

L393 Kavati Phebe Aaron, Chennai

* **Announcement: HWWE 2013**

2013
HWWE

INTERNATIONAL CONFERENCE ON ERGONOMICS AND HUMAN FACTORS
"ERGO 2013: ERGONOMICS FOR RURAL DEVELOPMENT"

HWWE 2013, the 11th Meeting of the ISE and HWWE 2013, will be held from 4 - 6 December 2013 at Vidyasagar University, Midnapore, West Bengal. Click [here](#) for more details.

* **Member Activities**

Understanding hidden factors that influence costs of arc welding operations

The paper titled "Understanding hidden factors that influence costs of arc welding operations" <click [here](#) to download a pdf copy> by Subir Das has been published in Advances in Production Engineering and Management Journal <click [here](#) to read>. Subir Das is currently a member of the Faculty of Interdisciplinary Design Studies at the National Institute of Design (NID), Paldi, Ahmedabad.



The aim of the study was to evaluate the existing work methods adopted by the MMA (Manual Metal Arc) welders and to identify the hidden but dominant cost factors, so as to reduce the costs of such welding operations. The study showed how various steps can be taken to increase the arc time without lengthening the net working time.

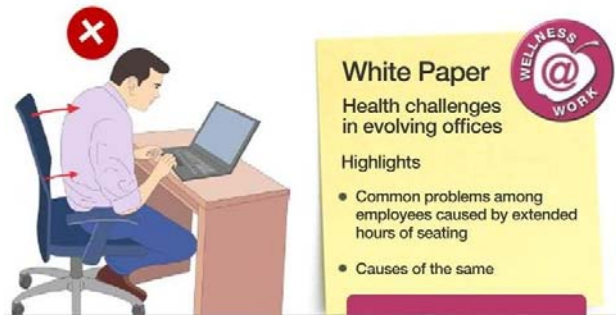
Usability Model for Medical User Interface of Ventilator System in Intensive Care Unit



Ganesh Bhutkar presented a research paper titled "Usability Model for Medical User Interface of Ventilator System in Intensive Care Unit" by Ganesh Bhutkar, Dinesh Katre, G. G. Ray and Shahaji Deshmukhat at Human Work Interaction Design Conference - HWID 2012, Copenhagen, Denmark on 5th-6th December 2012. His travel was supported by the IFIP Developing Countries Support Committee (DCSC) Grant. <Click [here](#) to access the pre-conference proceedings of the conference – pdf 6.93 MB.>

Health Challenges in Evolving Offices

As part of the research on "Evolving office spaces and employee health" a white paper has been published on "Health Challenges in Evolving Offices" based on the primary research conducted by Reena Valecha at multiple corporate offices across sectors. <Click [here](#) to download a copy>. Reena is currently working in the capacity of Ergonomics Specialist at Godrej, and would like to share this research with the members of ISE and invites their comments and suggestions.



Winner of the American College of Clinical Engineering (ACCE) 2013 Student Paper Competition



Oakland University doctoral candidate Avinash Konkani has been named winner of the American College of Clinical Engineering (ACCE) 2013 Student Paper Competition.

The award is given annually to a graduate student in clinical engineering or a related graduate program for writing an essay that "contributes significantly to the body of knowledge in clinical engineering." According to the ACCE website, papers are judged based on seven areas: relevance, fundamentals, familiarity, application, analysis, structure of delivery and conclusion.

Konkani co-authored three research papers with support from five other scholars (Reduction of Noise Levels in the PICU of Beaumont Hospital, Noise in hospital intensive care units - a critical review of a critical topic, Reducing Hospital Noise: A Review of Medical Device Alarm Management). All three papers are related to work involving reduction of noise levels in the pediatric intensive care unit at William Beaumont Hospital in Royal Oak.

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.

Avinash is pursuing a doctorate in Oakland University's Department of Industrial and Systems Engineering, towards for a career as a human factors specialist in a hospital or in the medical device industry. He is one of only two students nationwide to receive the 2012 Michael J. Miller Scholarship from the Association for the Advancement of Medical Instrumentation (AAMI)

National seminar on "Ergonomics for Enhanced Productivity"

The Department of Family Resource Management of Home Science College and Research Institute, Tamil Nadu Agricultural University, Madurai organized a two-day National Seminar on "Ergonomics for Enhanced Productivity" during 18-19 February 2013. This seminar was sponsored by the Department of Science and Technology (DST), New Delhi, Council for Scientific and Industrial Research (CSIR), New Delhi and Defence Research and Development Organization (DRDO), New Delhi.

Dr. P.Subbian, Registrar of Tamil Nadu Agricultural University was the chief guest of the inaugural function and released the souvenir of the National Seminar. He stressed on the importance of ergonomics in everyday life to enhance the productivity of the individuals, and elaborated on the role of ergonomics in agriculture and allied sectors. Dr. P.Parimalam, Associate Professor and Head (FRM) and Organising

Secretary of the seminar welcomed the gathering. Dr. P.Banumathi, Dean, Home Science College and Research Institute, Madurai in her presidential address highlighted the impact of ergonomics intervention on productivity. Dr. M.R.Premalatha, Professor and Head (FSN) and Co-organizing Secretary delivered the vote of thanks.

One hundred and fifty seven participants comprising academicians, industrialist, research scholars, medical practitioners, physiotherapist, physical education teachers and students participated and presented their research findings. The participants were from Assam, West Bengal, Uttar Pradesh, Maharashtra, Karnataka, Pondicherry, Kerala and Tamil Nadu.

Lead papers were presented by eminent ergonomists during the seminar. Dr. Debkumar Chakrabarti, Professor and Head, Department of Design, IIT, Guwahati, spoke on “Theme based design ideation exercise for learning Design Ergonomics”. Dr.A.K.Ganguli, Senior Deputy General Manager, Bharat Heavy Electricals Limited, Trichy gave a lecture on “Ergonomics for Indian Industries”. Dr.D.Anantha Krishnan, Professor, Department of Farm Machinery, Agricultural Engineering College and Research Institute, Tamil Nadu Agricultural University, Coimbatore spoke on “Ergonomics in Agriculture”.



Release of souvenir (L to R: P.Parimalam, A.K.Ganguli, P.Subbian, P.Banumathi & M.R.Premalatha)

A total of 66 papers were presented on six sub-themes namely Industrial ergonomics, Design ergonomics, Household ergonomics, Nutrition, Rehabilitation studies and Agricultural ergonomics. The seminar also included two poster sessions in which 60 papers were presented. At the valedictory function on 19 February 2013, the chief guest Dr. A. Susheela Thirumaran, Former Vice-Chancellor of Thiruvalluvar University, Vellore highlighted that research on ergonomics carried out in agricultural universities has brought out women friendly tools to reduce musculoskeletal disorders.

Awards presented for the Best Presentations were bagged by Dr.Subhashis Sahu (University of Kalyani, West Bengal), Mrs. D.S.Padmini, (Avinashlingam University, Coimbatore), Dr.M.Chandrika (Smt V.H.D. Central Institute Home Science, Bangalore), Dr. Desiga Srinivasan (Home Science College and Research Institute - HSC&RI, TNAU, Madurai), Mr.D.Edwin Benjamin (TNAU, Coimbatore), Ms. Vanithasri (HSC&RI, TNAU, Madurai), Dr. G.G.Kavitha Shree (HSC&RI, Madurai), Dr.K.Jothilakshmi, (HSC&RI, Madurai, Mrs. B. Subbulakshmi (HSC&RI, Madurai) and Ms.S.Shobana (HSC&RI, Madurai).



P. Parimalam welcomes the invitees and participants



Subhashis Sahu receives the Best Presentation Award



D.S.Padmini receives the Best Presentation Award

* IEA News - Liberty Mutual Medal in Occupational Safety and Ergonomics

The IEA/Liberty Mutual Award in Occupational Safety and Ergonomics was instituted in 1998. The award along with a cash prize of US\$10,000 recognizes outstanding original research leading to the reduction or mitigation of work-related injuries and/or to the advancement of theory, understanding, and development of occupational safety research.

The IEA is inviting applications for the 2013 Liberty Mutual Medal. (Please note, **Submission deadline is May 31, 2013**)

Through this prestigious award, the IEA seeks to recognize outstanding original research leading to the reduction or mitigation of work-related injuries. The main criteria include significant advancement of theory and understanding, innovation and development of new directions or approaches. The award recipient will receive a prize of \$10,000.

Applicants need not belong to the IEA or any of its constituent groups. Relevant disciplines include ergonomics, epidemiology, biomechanics, cognitive and behavioral psychology, design, physiology, medical sciences, economics, engineering, etc.

Submission Requirements:

To be considered for the Liberty Mutual Medal, the applicant must submit a letter of application and a research paper in the domain of accident prevention, injury reduction and/or early return to work, including rehabilitation. The paper must:

- be scholarly in nature such as an original paper describing laboratory, field, or intervention research (for further elaboration see Q&A on the IEA website, <http://www.iea.cc>)
- be unpublished at the time of submission or have been published within the previous calendar year.
- be thirty pages or less, single-spaced using point size 12 with 1-inch margins.

The paper should address the following topics:

- contributions of the research to theory, i.e., how the work had advanced the understanding of the causes of accidents and/or ability to mitigate occupational injuries or disability
- aims of research
- originality and creativity
- study methodology
- implications for risk reduction

The cover letter should highlight:

- main innovative aspects of the study (e.g., approach, methodology, analysis, etc.)
- anticipated contribution to occupational safety.

An international review committee, established by the IEA, will select the winning contribution. The authors of an unpublished winning paper are expected to submit the paper to one of the IEA endorsed scientific journals (see list on the IEA website, www.iea.cc, section <Useful Links/IEA Endorsed Journals>). Persons wishing to be considered for the 2012 prize should **submit an application, including a separate cover letter and the paper, both in electronic format to the IEA Awards Committee Chair** at the following address: PastPres@iea.cc

The deadline for receipt of applications is **May 31, 2013**. Applicants will be notified of the results by mid-July. Announcement of the award winner will be made public on **August 31, 2013**.

If you require additional information, please do not hesitate to contact the IEA Awards Committee Chair at the above-noted address. Go to http://www.iea.cc/05_awards/FAQ.html to view frequently asked questions.

* Forthcoming conferences



2nd RECOUP International Conference on Ergonomics (RICE),

1 – 5 May, 2013, Bangalore, India

Recent Advances in Diagnosis and Assessment of Work-Related Musculoskeletal Disorders

The 2nd RECOUP International Conference on Ergonomics (RICE) will be held on May 1-5, 2013 in Bangalore. The conference is organised by RECOUP Neuromusculoskeletal Rehabilitation Centre, a pioneer in the field of Ergonomics and Rehabilitation of Musculoskeletal Disorders.

Occupational Health Physicians, Neurologists, Orthopaedists, Physiatrists, Pain Physicians, Rheumatologists, Musculoskeletal Researchers, Occupational Health Nurses, Health and Safety Managers, Facility Managers, Ergonomists, Ergonomic Furniture/ Equipment Vendors, Physical and Occupational Therapists are invited to participate in this conference.

Chief faculty:

1. Professor Enrico Occhipinti, Professor of Occupational Medicine and Chairman, Centre for Occupational Medicine (CEMOC) at the Mangiagalli-Regina Elena Hospital, and the research unit at Ergonomics of Posture and Movement (EPM) at the DG Foundation in Milan, Italy.
2. Professor Daniela Colombini, Prof. of Orthopaedics at University of Milan, and Ergonomics of Posture and Movement, Milan, Italy. She is the developer of the OCRA and MAPO methods.
3. Mr. Enrique Alvarez-Casado, President, Catalan Ergonomics Association (catErgo), Project Manager, Applied Ergonomics Center (CENEA), Barcelona, Spain.
4. Dr. Shyam Pingle, Former President of Indian Association of Occupational Health and current Chair, Sub Committee on Occupational Health and Development, ICOH.
5. Dr. Deepak Sharan, Conference Chairperson, Consultant in Orthopaedics, Rehabilitation & Ergonomics and Medical Director, RECOUP Neuromusculoskeletal Rehabilitation Centre, Bangalore.

Objectives of the Conference and the Workshops:

- * Understand the pathogenesis and risk factors for Work Related Musculoskeletal Disorders (WRMSD).
- * Learn the risk assessments tools for WRMSDs in work situations.
- * Improve history-taking skills to accurately diagnose WRMSDs.
- * Select physical examination and diagnostic tests for WRMSDs.
- * Prioritise treatment strategies for common WRMSDs.
- * Implement cost-effective prevention strategies.

Pre-conference Workshops: May 1-3, 2013

- 1) Workshop on Manual Material Handling and Revised NIOSH Lifting Equation conducted by Prof. Enrico Occhipinti and Prof. Daniela Colombini.
- 2) Workshop on OCRA conducted by Prof. Enrico Occhipinti and Prof. Daniela Colombini.
- 3) Workshop on Office Ergonomics by Dr. Deepak Sharan and team.

Conference: May 3-4, 2013 (2 Days)

Call for Papers

Log in to www.recoup.in to submit your abstracts for:

- Oral Presentations
- Workshop/Tutorial
- Symposium
- Poster Presentation

email: rice2013@recoup.in

website: <http://www.recoup.in/jcms/conference/>

5th International Conference of Ergonomics 2013 is taking place in Zadar, Croatia on 12-15 June, 2013, organized by the Croatian Ergonomic Society (CES). The objective of the Conference is to bring together world scientists and engineers involved in all aspects of ergonomics, such as: Aesthetic ergonomics, Applied ergonomics, Cognitive ergonomics, Design and product ergonomics, Healthcare ergonomics, Traffic and Transport Ergonomics etc. The Conference will have an in-depth working character with intention to cover the latest achievements in the field.

Details about the Conference and participation are available at www.croergosociety.org.

email: croergosociety@gmail.com



2nd 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 2nd 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 30 April 2013
 Notification of Acceptance 15 June 2013
 Registration 15 June 2013 – 3 Jul 2013

Workshop 2 September 2013
 Conference 2-4 September 2013

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 **website:** <http://umconference.um.edu.my/ice2013>



HWWE2013

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

Ergonomics for Rural Development

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

Major Thrust Areas

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

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: 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



The 5th 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

All submissions should be done through the **website:** www.ahfe2014.org

Summary of Requirements & Deadlines

	Abstract Length	Deadline for Abstract Receipt	Notification of Review Outcome	Deadline for Receipt of Accepted Papers
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 Mailing Address:

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



19th Triennial Congress of the International Ergonomics Association

9 - 14 August 2015, Melbourne, Australia

Reaching Out

[IEA 2015](#)