



ISE Newsletter

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Forthcoming National events

- [Ergonomics for improved productivity, 22-22 November 2009, Aligarh](#)
- [HWWE-2009, 17-19 December 2009, Kolkata](#)


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

* Editorial

Suman Singh, ISE member L111, has become the IEA / Liberty Mutual Medal winner for the year 2009. The prize includes a citation and cash of USD 10,000 along with a presentation of her works in the IEA 2009 congress at Beijing. In the history of Indian Ergonomics she is the first recipient of this prestigious award. ISE congratulates her for this achievement and shares this moment with the entire ISE family.

* Welcome New members!

ISE Newsletter welcomes the following new Life Members:

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- L250 Markabandhu Arularasu, Coimbatore
 - L251 Nirdosh Kumar Rana, Mumbai
 - L252 Priyanka Katoch, Gurgaon
 - L253 Vandana Kaushik, Udaipur
 - L254 V Chaithanya, Hyderabad
 - L255 M Rohini Kumar, Hyderabad
 - L256 Vipinnath E Nalapurakkal, Bangalore

* IEA News

1. IEA 2006 – 2009 Triennial Awards

Congratulations are offered to the persons who have been distinguished to receive an IEA Triennial Award.

Ergonomics Development Award : **Klaus Zink**, nominated by the GfA (Gesellschaft für Arbeitswissenschaft, Germany)

Outstanding Educators Award : **François Daniellou**, nominated by SELF (Société d'Ergonomie de Langue Française, France)

Award for the promotion of ergonomics in Industrially Developing Countries : **Elias Apud**, nominated by SOCHERGO (Sociedad Chilena de Ergonomia, Chile)

Distinguished Service Award : **Sebastiano Bagnara**, nominated by the SIE (Societa Italiana de Ergonomia, Italy).

2. IEA / Liberty Mutual Medal Winner for 2009

The 2009 winner of the \$10,000 Liberty Mutual Medal for Occupational Safety and Ergonomics is **Suman Singh** from the **College of Home Sciences, Maharana Pratap University of Agriculture & Technology, Udaipur, Rajasthan, India**. Her paper was titled: **"Mitigating occupational health hazards of women farmers through educational and technological interventions"**.



The committee was impressed (a) by the systems approach of combining ergonomic design/redesign of equipment and development and application of a training program involving participatory field level skill training and repeated field demonstrations in the proper use of the ergonomically improved farm instruments, and (b) the impact of the project, which directly benefitted 4,200 women, and potentially can benefit many more farm workers in IDC's.

Congratulations to Suman Singh!

The Chair of the Awards Committee, Pierre Falzon, commented on the high standard of the many applicants this year. All researchers in the Occupational Safety and Ergonomics area may consider applying in 2010. Keep an eye on the IEA website of the application details which close on May 21st 2010.

*** Member activities**

International Conference APISSC 2009, Malaysia.

The 4th Asia Pacific Conference on Exercise and Sports Science (APCESS) and the 8th International Sports Science Conference (ISSC) organized by Universiti Sains Malaysia were held jointly at Kota Bharu, Kelantan, Malaysia during 15–17 July, 2009.

Amitabha De presented a paper on “Effect of prosthetic feet on the gait and loading of the sound and amputated limbs in trans-femoral amputees”. He also acted as a Chairperson in a scientific session for oral presentation on Biomechanics/ Kinesiology/ Kinanthropometry/ Injuries.



Amitabha De



Rauf Iqbal



Delegates from India

Rauf Iqbal presented a paper on “Effect of prosthetic feet on the gait and loading of the sound and amputated limbs in trans-tibial amputees”. He also acted as a Chairperson in a scientific session for oral presentation on Exercise Physiology.

Ashok Ghosh, Associate Professor of Universiti Sains Malaysia was the Chairman, Scientific Committee for the conference. He acted as the Chairperson for an invited lecture delivered by Yang Zeyi on “A Fitness Evaluation and Nutrition Support System for Athletes”. Ashok Ghosh also presented his research findings on “Sago and Soy combined supplementation for the improvement of high intensity endurance performance” in the Symposium on Sports Nutrition.

*** PG Programme in Applied Ergonomics**

Master of Health Science in Applied Ergonomics (2 years – Distance Education) Annamalai University, Tamil Nadu

The Directorate of Distance Education, Annamalai University, Tamil Nadu, is offering a 2-year Masters course in Applied Ergonomics through the Distance Education mode. All the programmes of study offered by the Directorate of Distance Education have the approval of the Distance Education Council, New Delhi. The National Assessment and Accreditation Council has accredited Annamalai University.

Course: Master of Health Science in Applied Ergonomics (code: 756)

Objectives: To impart training in basic knowledge and skills to those with a degree in medicine, allied medical science, and arts and science, to enable them to function as leaders or coordinators of health establishments or programmes.

Medium: English

Duration: 2 Years

Eligibility: Degree in Modern Medicine, Dentistry, Nursing, physical/ Occupational Therapy, physical Education, Sports Sciences, Education, Psychology, Sociology, Physiology, Management, Law, Engineering, Postgraduates in Physical Sciences.

For further details visit: <http://www.annamalaiuniversity.ac.in/contactus.htm>

* Forthcoming conferences



All India Seminar on
Ergonomics for Improved Productivity (EIP2009)
Aligarh, 21-22 November 2009.

The Ergonomics Research Division (AMU) and Aligarh Local Centre of The Institution of Engineers (India) are organizing an All India Seminar on “Ergonomics for Improved Productivity (EIP2009)” on 21-22 November 2009.

The aim of the seminar is to emerge with new ideas/inventions which may be helpful in improving productivity with an ergonomics prospective. The details of the seminar have been presented in the brochure.

Contact: M. Muzammil (Convenor, EIP2009) or Abid Ali Khan (Co-convenor, EIP2009)
email: eip2009@zhcet.ac.in



December 17-19, 2009
University of Calcutta, Kolkata

ERGONOMICS FOR EVERYONE

The conference will be held during December 17-19, 2009 at University of Calcutta, Kolkata, India. A pre-conference workshop and a post-conference workshop on Ergonomics Methodology will take place on 16th and 20th December 2009 respectively.

The HWWE'2009 website has been updated with details of registration, abstract submission and accommodation. Please visit <http://www.hwwe2009.org/>

For details please contact:

Somnath Gangopadhyay

Organizing Secretary HWWE 2009

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* Job opportunities

Human Factors Opening in Hyderabad

A \$5b product company in Hyderabad is looking for Senior UI/HCI/HFI professionals to join their R&D team.

Skills: UI, Human Factor, Human Computer Interaction, Ajax, Cognitive analysis, Interaction Design

Experience: 4 to 15 yrs.

Send resume to: darshan [at] wengerwatson [dot] com

* Ergonomics & HF research into practice

"Ergonomics & HF research into practice": Invitation to contribute to a blog

A recent survey of ergonomics/HF practitioners' application of scientific research findings conducted by Steve Shorrock asked about barriers to the application of ergonomics/HF research findings. Of the 29 barriers cited, the strongest barriers rated overall were (in order):

- (1) the dispersed nature of research findings in many sources
- (2) lack of clear implications for practice
- (3) lack of time to read research
- (4) lack of relevance of research for practice (e.g. application area, industry)
- (5) lack of generalisability to the organizational environment
- (6) lack of availability and accessibility of research.

These are complex and difficult issues, but with a coordinated effort it may be possible to partially address some of the key barriers. Instead of extending the study by collecting more data (over 590 responses received, currently being analyzed), it has been decided to extend the study indefinitely by attempting, in a small way, to address some of the issues cited.

So as an attempt to translate application-oriented research into practice, a '**research into practice**' blog has been set up at <http://ergonomicsresearch.blogspot.com/>. The intention is to enable those interested to read and comment on informal summaries of selected recent research articles, chosen on the basis that they have clear implications for the application of ergonomics/HF in real settings. Some of the summaries may in turn be published by ergonomics/HF societies and associations in their magazines and newsletters.

If you wish to contribute some recent application-friendly research for inclusion in the blog, see the instructions on the right side-bar of the blog at <http://ergonomicsresearch.blogspot.com/> or contact Steve Shorrock at s.shorrock [at] unsw [dot] edu [dot] au.

* Knowledge base

Prevention of Musculoskeletal Disorder from Performing Manual Tasks at Work (2007)

Performing manual tasks can be hazardous, potentially leading to Musculoskeletal Disorders (MSD). Manual tasks at work resulted in 437,852 compensation claims in Australia between July 1997 and June 2003. This is equal to 41.6 percent of all compensation claims for that period, with a direct cost, not counting indirect impacts (such as the long-term impacts on the quality of life of the injured worker) of \$11.965 billion.

The Australian National OHS Strategy 2002-2012 sets out five national priorities to achieve short-term and long-term improvements in the area of prevention of work-related musculoskeletal disorders. The priorities are to:

- reduce high incidence and high severity risks
- improve the capacity of business operators and workers to manage OHS effectively
- prevent occupational disease more effectively
- eliminate hazards at the design stage, and
- strengthen the capacity of government to influence OHS outcomes.

A National Code of Practice for the Prevention of Musculoskeletal Disorder from Performing Manual Tasks at Work (2007) provides practical guidance on how to prevent MSD.

<http://www.safeworkaustralia.gov.au/swa/healthsafety/hazardssafetyissues/manualtasks>

Two risk assessment formats are also available.