



ISE Newsletter

Quarterly newsletter of the INDIAN SOCIETY OF ERGONOMICS (ISE)

Vol. 11

October – December 2007

No. 4

Editorial Board Members

Dr. Asis Goswami, Mr. N. Sadhu, Dr. A. K. Ganguli,
Mr. K. N. Sen and Mr. D. Ghosh Thakur

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Forthcoming National events

- 2nd Five Evening Training Programme on Ergonomics, Occupational Health, Safety & Environment, Calcutta, March 10-14, 2008

Forthcoming International events

- IranErgo, May 7-8, 2008, Tehran, Iran
- 8th International Congress of Ergonomics and Usability, ERGODESIGN 2008, June 17-20, 2008 in São Luís, Maranhão, Brazil
- IEA Healthcare Systems Ergonomics and Patient Safety Conference 2008, June 25-28, 2008, Strasbourg, France
- CybErg'08 Conference, 15 Sep-15 Oct, 2008
- 9th Southeast Asian Ergonomics Society Conference (SEAES 2008), Bangkok, Thailand - October 22-24, 2008

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* Editorial

HWWE 2007 is over, and the focus has shifted to HWWE 2008, the dates and venue of which have already been announced. A very large number of members have joined the Society, and the editorial board extends a warm welcome to all. Membership Certificates are now ready and have been distributed during the Bhopal conference. Contact the General Secretary for yours.

* Welcome new members!

ISE Newsletter welcomes the following new Life Members:

	L150 Ms.Shelza Gupta		L166 Ms.Indra Nanda
	L151 Mr.Jaba Prabu Abraham		L167 Dr.Kusum Tyagi
	L152 Mr.Prem Nath		L168 Mr.Prem Shankar Tiwari
	L153 Ms.Sujaya De		L169 Dr.Rauf Iqbal
	L154 Ms.Shailini Agarwal		L170 Dr.Suman Mukhopadhyay
	L155 Dr.Banibrata Das		L171 Mr.Sanwal Singh Meena
	L156 Mr.Sahastrarashmi R. Pund		L172 Dr.Pannu Charanjeet Singh
	L157 Mr.Atul Dhirajlal Motla		L173 Dr.Ajita D. Singh
	L158 Mr.Vidhu K. Poduvattil		L174 Dr.Hemant Shrimali
	L159 Dr.Kiran Singh		L175 Dr.Ravi Mathur
	L160 Dr.Abhay Kumar Mehta		L176 Mr.Prasanna Kumar Lenka
	L161 Dr.Bishnupriya R. Dasgupta		L177 Dr.Swapnali Borah
	L162 Dr.Narinderjit Kaur		L178 Dr.Neerja Shailesh Jaiswal
	L163 Dr.Santosh Tikoo		L179 Mr.Naresh Kumar Chhuneja
	L164 Dr.Jatinder Kishtwaria		L180 Dr.Darius Gnanaraj Solomon
	L165 Ms.Aruna Rana		L181 Prof. Ganesh Dattatray Bhutkar

* HWWE 2007

2007 December 10-12, 2007
HWWE Central Institute of Agricultural Engineering, Bhopal, India.

The International Ergonomics Conference HWWE 2007 was held during Dec. 9 – 12, 2007 at Central Institute of Agricultural Engineering, Bhopal.

The conference was inaugurated by Dr. David Caple, President, International Ergonomics Association. Dr. Nawab Ali, Deputy Director General (Engg.), ICAR, New Delhi was the chairperson in the inaugural session and Prof. Gajendra Singh, Vice Chancellor, Doon University, Dehradun was the Guest of Honour. Dr. P.K.Nag, Director, National Institute of Occupational Health, Ahmedabad and President of Indian Society of Ergonomics and Dr. S.K.Tandon, ADG (Engg.) ICAR and Conference President were also present.



The speakers of inaugural session narrated their experiences ranging from daily life to specific professions where intervention of ergonomics and safety can bring about a great change in human life. Priorities and policies in national and international fronts were also elaborated.

The conference included presentations of research findings in 16 technical sessions, discussions on policy matters related to ergonomics and gender issues in two panel discussions, five plenary lectures and one special lecture by eminent professionals working in the field of ergonomics. The conference was attended by more than 150 delegates from Australia, Germany, the Netherlands, USA and all parts of India. A large number of women delegates (about 50) also attended the conference to address issues related to comfort and safety of women workforce in all the walks of industry, especially agriculture.

Preceding the conference a pre-conference workshop on Ergonomics Methods was organized on Dec. 9, 2007. The workshop included five lectures, one equipment demonstration and two software demonstrations to make the budding ergonomics professionals aware of the established methodologies as well as innovations in the field.

Ninety technical papers were presented by delegates including five papers presented by masters students and eighteen papers presented by doctoral students. Prizes were awarded for the best student papers, and the prizewinners were:



Supriya Mer
Masters Competition



Shweta Bodhake
Masters Competition



Swati Pal
Doctoral Competition



Bhaskar Gaikwad
Doctoral competition

Panel discussions were held on “**Application of IEA/ILO Ergonomics Checkpoints in Agriculture**” chaired by D Caple, President, IEA, and on “**Women Empowerment through Ergonomics Application**” chaired by Dr. Sudesh Gandhi, Professor, CCSHAU, Hisar

An exhibition of tools and instruments for ergonomics applications and ergonomically designed equipment was also organized during the conference. Nine organizations including industry and R&D laboratories displayed and demonstrated their products for mutual benefit.

Dr. Pratap Singh, Director Research, MPUAT, Udaipur and Chairman, QRT of AICRP on Ergonomics and Safety in Agriculture was the Chief Guest for the Valedictory Function held on Dec. 12, 2007. He presented his reflections about the conference and congratulated all the delegates for their keen interest towards making the life comfortable and safe for millions of industrial and agricultural workers. He encouraged all the participants to continue their endeavour for scientific and social advancement. The function was presided over by Dr. S. D. Kulkarni, Project



Director, Soybean Processing and Utilization Centre, CIAE, Bhopal who urged for bridging the gap between scientific findings and applications. He indicated that concerted efforts by industry, R&D institutions, academicians, policy makers and extension agencies would only bring the desired improvement. Dr.G.G.Ray presented his views as secretary of the Indian Society of Ergonomics. Dr. Nachiket Kotwaliwale, Member Secretary of the Scientific Committee presented the proceedings of the conference while Dr.L.P.Gite, Project Coordinator, AICRP on ESA and Organizing Secretary of the conference presented the vote of thanks.

The participants were also exposed to Indian and local culture through entertainment programmes and local visits.

The next HWWE would be held at Viswakarma Institute of Technology, Pune on 22nd to 24th of December 2008, with a pre-conference workshop on the 21st December 2008. Dr.L.P.Gite handed over the HWWE banner to the next Organizing Secretary, Dr. Shriram Sane.



Excerpt: IEA Newsletter from the IEA President No. 18 – December 2007

During December, I had the pleasure of attending the HWWE2007 conference in Bhopal, India hosted by the Indian Society of Ergonomics, together with the Central Institute of Agricultural Engineering in Bhopal. The significant work now being undertaken in ergonomics in agriculture was evident. The financial support and encouragement provided by the Indian Government will now enable opportunities for significant investment in this area. I was happy to provide details of IEA members around the world how maybe interested to share their expertise with the various programs in India. This is consistent with the IEA “Foundation for Professional Ergonomics” program coordinated by Hal Hendrick (http://www.iea.cc/browse.php?contID=foundation_for_ergo).

This conference also provided a workshop opportunity on the Draft of “Ergonomic Checkpoints in Agriculture”.

*** IEA News**

***Ergonomics*: Special Issue on the Future of Ergonomics - Volume 51, Number 1, 2008**

This recently published special issue of *Ergonomics* has been compiled to celebrate the completion of the Journal’s 50th year of publication. Overseen by guest editors Neville Stanton and Rob Stammers, the special issue presents invited peer commentaries on Frederick Charles Bartlett's seminal paper 'The Future of Ergonomics', originally published in *Ergonomics* in 1962. Much of what Bartlett had to say in his original paper still resonates today. Ten commentators were invited from around the world - Australia, Brazil, France, Germany, Italy, Russia, UK and USA - reflecting the international character of the Journal (an endorsed journal of the International Ergonomics Association as well as the Official Journal of The Ergonomics Society of the UK). Moreover, Bartlett himself was awarded many honorary doctorates and fellowships from universities and societies around the world.

As well as reflecting on the predictions made in Bartlett's paper with reference to their own specialized field of ergonomics, commentators were also invited to make their own predictions for their field of ergonomics for the next 50 years. Some accepted this latter, as

well as the former, challenge. The invited commentators were (in alphabetical order): Karel Broohuis, Carlo Cacciabue, David Caple, Colin Drury, Jean-Michel Hoc, Bob Hockey, Peter Hancock, Vladimir Munipov, Marcelo Soares and Charles Spence.

The introductory paper from this special issue by the guest editors Neville Stanton and Rob Stammers, as well as the original 1962 by Frederick Charles Bartlett, are **free to read online** until the end of 2008.

Call for papers on NIRS applications in Ergonomics

Near-infrared spectroscopy (NIRS) is an optical technique that can be used to monitor oxygenation and blood volume responses from multiple tissues simultaneously. Although the majority of NIRS applications are still in clinical and sports medicine domains, in the last five years, the application of NIRS in the area of Ergonomics has grown rapidly. By relating the NIRS-determined physiological measurements to job demands and ergonomic risk factors, one can increase understanding of the regulating mechanisms of oxygen supply and demand to multiple tissues at any given instant of physical work.

The objective of this special issue is to compile original research and new developments in the field of NIRS pertaining to ergonomics and human factors. The specific topics of interest are: application in manual materials handling, evaluating upper-extremity work, Human Factors (cognition, vision, mental workload, psychophysiology, etc.), office ergonomics, health care settings, rehabilitation, aviation and maritime domains, development of new NIRS instrumentation, reviews of NIRS in ergonomics-related work

Manuscript Submission Deadline: 15 April 2008

This is an open call for papers. All papers will be subject to rigorous peer review.

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2nd Five-Evening Training Program on EOHSE 2008

The 2nd Five Evening Training Programme on Ergonomics, Occupational Health, Safety and Environment would be organized during March 10 -14, 2008, by the UGC-Academic Staff College, University of Calcutta, and the Indian Society of Ergonomics. The coordinators are: Dr. Somnath Gangopadhyay, University of Calcutta, and Dr. K.B.Saha, South Eastern Railway, Govt. of India. The timings would be 6 pm to 9 pm, and the registration fees would be Rs.1,500/= per participant.

Contact:

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IranErgo

Tehran, 7 – 8 May 2008

The First International Conference on Ergonomics (IranErgo) will be held in Tehran as an IEA endorsed conference. The main purpose of this conference is to promote ergonomics in Iran, the Industrially Developing Countries and provide a scientific forum for researchers, educators, students and consultants around the world to present their findings and to exchange ideas.

The Iranian ergonomics Society at its last week meeting after evaluating the report of the progress of Iran Ergo 2007 conference decided to postpone this event to May 7 - 8, 2008. The Iranian Ergonomics Society regrets this unavoidable change of the date and apologises for any inconvenience caused, and sincerely hopes that you will come to this event next year.



8th International Congress of Ergonomics and Usability of Human-Technology Interfaces: Products, Information, Built Environment, Transportation (ERGODESIGN 2008)

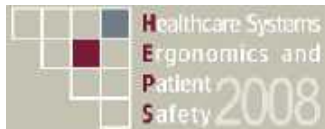
along with



**1st Maranhense Symposium of Ergonomics, Workplace Safety and Health
June 17-18, 2008 and June 19-20, 2008
in São Luís, Maranhão, Brazil.**

This event is sponsored by Brazilian Ergonomics Association ABERGO. The central theme will be Research and Development in Ergonomics and Design. Papers are accepted until February 15th, 2008.

Please check the congress websites at <http://www.nepp.ufma.br/congressos2008/> and the Maranhão website at <http://www.turismo.ma.gov.br/>



**IEA Healthcare Systems Ergonomics and Patient Safety Conference 2008
June 25-28, 2008, Strasbourg, France**

The first HEPS conference aimed at creating bridges among different disciplines (medicine and surgery, information technology, occupational psychology, clinical engineering and architecture, human factors and ergonomics) in order to share a strong interest in the promotion of human factors and ergonomics in healthcare and patient safety. The conference is sponsored by IEA and co-organized by the Italian Ergonomics Society, the SELF and the German Ergonomics Society.

Organizing Secretariat

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E-mail: heps2008@newtours.it conference website - <http://www.heps2008.org/>



CybErg'08 Conference

15 September to 15 October 2008.

This IEA Endorsed conference is the first Web conference on ergonomics/human factors. In the past, delegates from developing countries have used it as a forum to present and discuss their papers. Universiti Malaysia Sarawak (UNIMAS) is hosting this 5th International Cyberspace Conference on Ergonomics, from 15 September to 15 October 2008. Please visit the conference website, <http://www.cyberg2008.org> for more details. The first call for proposals is due in February 2008.

The 9th Southeast Asian Ergonomics Society Conference (SEAES 2008)

Bangkok, Thailand - October 22-24, 2008

The **9th Southeast Asian Ergonomics Society Conference (SEAES 2008)** is intended to be a forum for researchers and practitioners from countries around the globe to meet and exchange ideas, experiences, research results, and problems related to ergonomics both theories and applications. With its theme "**Achieving Organization Goals with Ergonomics: From Theories to Applications & From Researchers to Practitioners**," this conference hopes to find solutions on how to bridge the gaps between theories and applications and those between researchers and practitioners, which are essential for making ergonomics implementation and application successful. As such, ergonomics researchers and practitioners are invited to attend the SEAES 2008, which will be held in Bangkok, Thailand during October 22-24, 2008, and to exchange their experiences with their international colleagues who share similar interests.

SEAES 2008 will be organized by Thammasat University (Faculty of Engineering, Faculty of Public Health, and Faculty of Allied Health Sciences) and Ergonomics Society of Thailand (EST).

Any inquiries about the SEAES 2008 can be sent to the Conference Secretariat at SEAES2008@est.or.th. Visit <http://www.seaes2008.org/> for details.

New Committees

Two new committees were formed during the meeting of members held at Bhopal on 10th December 2007.

A **Fund Raising Committee** was formed, with Dr.Venkatesh Balasubramanian as the convenor and K.N.Sen, Dr.Amitabh De and Dr.Dhurjati Majumdar as members, to suggest and implement means of raising funds for the Society. The society would report its suggestions and actions to the Executive Committee.

A **Public Relations (PR) Committee** was formed, with Dr.L.P.Gite as the convenor and Dr.Dhurjati Majumdar and Dr.Venkatesh Balasubramanian as members. Issues requiring comment or response from the Society would be referred to the Committee by the President, General Secretary or Executive Committee, and the PR Committee would formulate the response and forward it to the President or Secretary for communication. The PR Committee could also identify issues requiring comment on its own and take suitable action. The PR Committee was empowered to co-opt appropriate members according to their expertise for specific issues or queries.