



# ISE Newsletter

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## *Editorial Board Members*

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Sri K. N. Sen and Sri D. Ghosh Thakur

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## \* From the Editor

This issue features reports on a large number of activities covering memorial orations, conferences, workshops and lectures. Prof Pat Scott is organizing sessions on IDCs at the IEA 2006. Preliminary details are given in this issue, so that interested persons can start making travel plans and arranging finance. Details of journals which are available to ISE members at a reduced subscription rate are given in this issue.

## \* Memorial Orations

### 1st Prof. S. Banerjee Memorial Oration

### 4th & 5th Prof. H.P. Chattopadhyay Memorial Orations



The 1<sup>st</sup> Prof. S. Banerjee Memorial Oration and the 4<sup>th</sup> & 5<sup>th</sup> Prof. H.P. Chattopadhyay Memorial Orations were delivered on 12<sup>th</sup> February 2005 at the Presidency College, Kolkata.



**Prof. Sukhomoy Lahiri** of University of Pennsylvania, USA delivered the Prof. S. Banerjee Memorial Oration on "*Oxygen sensing in the carotid body at high altitude*". **Dr. Jyotirmoy Sengupta**, Ex-Director DIPAS (Defence Institute of Physiology and Allied Sciences) delivered the 4<sup>th</sup> Prof. H.P. Chattopadhyay Memorial Oration on "*Prediction of sustained work in man*".

This was followed by the 5<sup>th</sup> Prof. H.P. Chattopadhyay Memorial Oration, which was delivered by **Prof. Supriya Lahiri** of the Department of Economics, University of Massachusetts Lowell, USA on "*A net cost model for work place intervention*". A large number of graduate and post graduate students, research scholars and learned members of the society actively participated in this meeting. Dr. A.R. Guharay, Acting President of Indian Society of Ergonomics, presided over the meeting.



## \* Member Activities

### National Workshop on Methods in Ergonomics



Dr. R. Balasubramanian, Dean, delivers the presidential address. On the dias (l to r) Dr. T. Karunakaran, VC, GRI and Dr. A. K. Ganguli, BHEL

A National workshop on Methods in Ergonomics was organized by the Dept. of Home Science, Gandhigram Rural Institute (Deemed University), Gandhigram, Dindigul Dt., Tamil Nadu from 21<sup>st</sup> to 25<sup>th</sup> February 2005. The program was inaugurated by the Vice Chancellor, Dr. T. Karunakaran and attended by around twenty participants from all over India, with a majority being from the southern states. **Dr. A. Mrunalini** (ANGR Agricultural University, Hyderabad), Dr. Visalakshi Rajeswari (Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore), **Dr. Manjit Kaur Chauhan** (SVT College of Home Science, SNDT Women's University, Mumbai), **Dr. A. K. Ganguli** (Occupational Health Service, BHEL, Tiruchirapalli) and Prof. N. Kamalamma (Prof. & Head, Dept. of Home Science, Gandhigram Rural Institute) served as resource persons. Prof. M. A. Sudhir, Dean of Student Affairs, Gandhigram Rural Institute, delivered the valedictory address and gave away the certificates. A manual is being prepared based on the workshop proceedings.

## Lectures on Assembly Line and Office Ergonomics

Dr R Iqbal from Central Labour Institute, Mumbai was invited by FIAT India Pvt Ltd (manufacturer of Palio, Siena and Uno etc.) on the occasion of their Safety Week celebrations (4th - 11th March) to deliver lectures on (i) *Assembly line Ergonomics in Automobile Industry*, and (ii) *Office Ergonomics*. Senior and middle level executives and engineers of FIAT India attended and highly appreciated the lectures, stressing the increasing importance of ergonomics in the changing industrial scenario.

### \* etae 2004

## International Conference on Emerging Technologies in Agricultural and Food Engineering



Dr. Mangala Rai, Secretary, DARE & DG, ICAR addressing the gathering, Prof. K. P. Pandey, Prof. & Head, Dept. of AgFE, Prof. S. K. Dube, Director, IIT Kharagpur and Prof. V. K. Tewari, Organising Secretary, etae2004 on the dais (from left)

**etae 2004**, the International Conference on Emerging Technologies in Agricultural and Food Engineering was held in the Indian Institute of Technology, Kharagpur, India from 14<sup>th</sup> to 17<sup>th</sup> December, 2004. The conference focused on the Emerging Technologies in Agricultural and Food Engineering, with Ergonomics, Safety, and Health as major disciplines along with Power Machinery System, Natural Resources Engineering & Management, Food and Bioprocess Engineering and Agro-Environmental Engineering.

Papers were presented orally as well as in poster sessions under these theme in the area of Anthropometry and Biomechanics, Occupational Safety in Industries, Work and Rest scheduling,

Musculo-skeletal disorders, Accident and Injury Prevention, Manual Material Handling, Ergonomics intervention for occupational safety in farm and industrial works and Women workers and equipment design. Participants from different universities, institutions (Governmental, Non Governmental and NGOs) and Industry took active part.

In a special session sponsored by Tata Steel, Jamshedpur, six scientists and engineers namely, Prof. Arun Garg, USA, Dr. David O'Neill, UK, Dr. P. K. Nag, Ahmedabad, Dr. L. P. Gite, Bhopal, Prof. Jivan Saran, USA and Er. Bhagwat Singh, Jamshedpur, delivered special lectures on different aspects of Ergonomics, Safety and Occupational Health. The entire programme was coordinated by Prof. V. K. Tewari, LMISE, Department of Agricultural and Food Engineering, I.I.T. Kharagpur.



Prof. Arun Garg, USA presenting a memento to Dr. David O'Neill, UK. Prof. V. K. Tewari looks on.

For more details on the programme and copy of the

proceedings on "Ergonomics Safety and Health" please write to: Prof. V. K. Tewari, Organising Secretary EATE 2004, Dept. of Agril. and Food Engg., I.I.T Kharagpur - 721 302, W.B., India. Fax: +91 3222-255303,282244, [yktfeb@agfe.iitkgp.ernet.in](mailto:yktfeb@agfe.iitkgp.ernet.in).

## \* K.C.Mahindra Award

Mahindra & Mahindra Ltd. has announced the **K.C.Mahindra Award for Excellence in Automotive Design**. This year the theme is **Trends in Ergonomics in Vehicle Design**. In other words, it's about how comfortable and effortless you can make the entire driving experience. Your concepts could be in pencil or ink. *"The only aspect you don't have a choice about is the pleasure of the passenger."*

The competition is open to bonafide students. No entry fee. Last date for submitting design proposals (entries) - **March 25th, 2005**. For more details on the contest log on to [www.kcmahindraawards.com](http://www.kcmahindraawards.com)

## \* Forthcoming conferences

### **10th International Conference on Human Aspects of Advanced Manufacturing: Agility and Hybrid Automation - HAAMAHA 2005**

Conference theme: Knowledge Management and Intelligent Enterprises in a Digital World

**San Diego, CA, USA on 18th-22 th July.** Jointly with satellite conferences:

### **3rd International Conference on Ergonomics and Safety for Global Business Quality and Productivity - Ergon-Axia 2005**

and

### **1st International Symposium on Theoretical Issues in Ergonomics Science - TIES 2005**

These conferences will be held immediately after IEA 2005 Council Meeting scheduled for July 16-17, 2005. For details visit <http://2005.haamaha.org/>. Please note **reduced registration fees** for members of the IEA federated and affiliated societies.

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## **XVII<sup>th</sup> World Congress on Safety and Health at Work.**

**18-22 September 2005. Orlando, Florida, USA.**

The World Congress on Safety and Health at Work is an international forum of 3000+ professionals who gather every 3 years to exchange ideas, research and best practices on highly topical issues in the area of Occupational Safety and Health. [click here for more information](#) or [email](#).

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The conference will be held in **December 10-12, 2005** at Indian Institute of Technology **Guwahati, Assam, India**. The special focus will be on addressing issues applicable to small-scale sector and cottage industries.

A pre-conference workshop on ergonomics methodology will take place on December 09, 2005. The conference will have technical and plenary sessions including oral and poster presentations.

### **Important deadlines**

Submission of Abstract: May 31, 2005

Submission of Full paper: Sept. 30, 2005

Notification of acceptance: June 30, 2005

Last date of Registration: Oct. 31, 2005

You are welcome to send e-mails in advance, indicating interest to participate to the Organising Secretary - Dr. Deb Kumar Chakrabarti, [hwwe2005@iitg.ernet.in](mailto:hwwe2005@iitg.ernet.in)

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## IEA 2006



The IEA Triennial Congress is to be held from **10-14 July 2006** in **Maastricht, the Netherlands**. IEA has invited suggestions that will help to make IEA2006 the best place for new knowledge, reflection and contacts and also the innovative ideas for sessions "**Ergonomics Congress really ergonomical?**" Major theme of the congress is: **Meeting diversity in ergonomics**. The broad scope of our field of interest and the variety in ergonomics and ergonomists and the global differences will be emphasized.

Topics to be addressed: physical workload, mental workload, environmental factors, organizational design and management (ODAM), etc.

areas of application, such as: manufacturing, process industry, office, rehabilitation, hospital, agriculture, the built environment; methodology: research methodology, engineering practices, project ergonomics; cultural differences worldwide: modern industrial countries versus industrially developing countries.

Several different congress formats will be expected, such as: traditional keynotes and oral presentations, a speakers corner on a market place, interactive sessions, hands-on workshops, professional visits, and interactive poster sessions.

### Important dates:

Proposals workshops, symposia	1 September 2003 - 1 September 2005
Abstracts deadline	15 October 2005
Abstracts reviewed	15 December 2005
Full papers submission deadline	1 March 2006

Visit the website: [www.iea2006.org](http://www.iea2006.org) for detailed information.

### \* IDC Sessions at IEA 2006

The following IDC sessions are planned for IEA 2006. Formal call for papers will follow. For more information, contact Professor Pat Scott, Department of Human Kinetics and Ergonomics, Rhodes University, Grahamstown, South Africa, Fax: +27 46 6223803, [p.a.scott@ru.ac.za](mailto:p.a.scott@ru.ac.za)

**Title: The progress of ergonomics in developing areas, 1996 - 2006: Past developments and future directions.**

Theme: Regional problems and solutions in establishing ergonomics within developing countries.

Moderators: Pat Scott (Africa), Kazu Kogi (Asia), Gaur Ray (India) and Marcelo Soares (South America)

### Abstract:

A decade ago there was considerable concern about the lack of ergonomics in industrially developing countries. Acknowledging the exceptionally good work being done by individuals in a few isolated sectors, it was evident that ergonomics was not reaching extensive areas where it was needed most viz developing countries. The IEA undertook to address this problem, and a concerted effort was made to reach these regions where millions of workers were being subjected to horrendous working conditions resulting in appalling human suffering and poor productivity.

"Ergo.what?" is no longer a question we continually have to face, as an ergonomic ethos has filtered around the globe.

**Goals:**

The objective of this discussion panel is to present the current position of ergonomics in a cross section of developing countries, and to stimulate open discussion from the floor. Dedicated people, drawing on the work they, and many others have done in their areas, have been asked to put forward a profile of the growth, problems and successes of ergonomics in their regions, and then to suggest possible plans and strategies for the future. Once the panel has presented their scenario we ask others to join in the discussion on past developments and future directions of ergonomics in IDCs.

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**Title:** Research and applied Ergonomics in developing areas.

**Sub theme of Congress:** Field-lab-field investigations in IDCs

**Moderator/Organizer(s):** Pat Scott, Candice Christie and David Caple

**Abstract:**

Despite extensive Ergonomic research the vast majority of working environments around the globe are far from ideal. The reality of these working conditions, primarily in developing areas, is that they require a great deal more input than esoteric laboratory research. A commitment to 'field' investigations, and the application and modification of rigorous laboratory research is essential if Ergonomists in IDCs wish to play a more significant role in improving the well-being of millions of manual labourers working in sub-optimal conditions around the globe.

**Goals:**

We encourage those working in developing areas to present papers on research conducted *in situ* and/or under laboratory conditions. The aim of this symposium is to share these lab and field research experiences, and to demonstrate the benefits of the practical application, and possible modification, of this information within the field of work.

**\* Reduced IEA endorsed journals subscription rates for ISE members**

Are you aware that as an individual member of an IEA federated society, you are entitled to a reduced subscription rate for all IEA endorsed journals?

Up to now the endorsed journals are:

- ◆ *Ergonomics (The Official Journal of IEA),*
- ◆ *Applied Ergonomics,*
- ◆ *International Journal of Occupational Safety and Ergonomics,*
- ◆ *International Journal of Industrial Ergonomics,*
- ◆ *Human Factors and Ergonomics in Manufacturing,*
- ◆ *Theoretical Issues in Ergonomic Science,*
- ◆ *International Journal of Human-Computer Interaction,*
- ◆ *Ergonomia, and*
- ◆ *Cognition, Technology & Work (CTW).*

Information on IEA-endorsed journals can also be found on the IEA website (<http://www.iea.cc/>).