



ISE Newsletter

Quarterly newsletter of the INDIAN SOCIETY OF ERGONOMICS (ISE)

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Editorial Board Members

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

CONTENTS:

- * Welcome New Members
- * ISE Website launched
- * Laurels won
- * Report SEAES IPS 2005, Bali
- * Report: Indian Science Congress
- * Forthcoming conferences
- * IEA 2006 Update
- * IEA K.U.Smith Student Award

Forthcoming National events

- ◆ PhySlcon2005
- ◆ HWWE'2005

Forthcoming International events

- ◆ IEA HAAMAHA 2005,
ERGON-AXIA 2005 & TIES 2005
- ◆ XVIIth World Congress on Safety and
Health at Work
- ◆ IEA 2006

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* From the Editor

The editorial board is happy to announce the launch of the website of the Indian Society of Ergonomics, a long felt need. Congratulations to Dr.Majumdar for the awards won by his group and to C.B.Rade, K.Prajapati and G.G.Ray for the Best Paper award at the Bali conference. A detailed account of the SEAES IPS 2005 conference at Bali and further details of the Symposium on Ergonomics and Occupational Health held as part of the 92nd Indian Science Congress are featured here. Details of IEA's K.U.Smith student award are also given in this issue.

* Welcome new members!

ISE Newsletter welcomes the following new Life Members:



L 108 **RINA MAITI**, Indian Institute of Science, Bangalore.

L 109 **SHRIRAM MADHUKAR SANE**, Industrial & Production Engineering Department, Vishwakarma Institute of Technology, Bibwewadi, Pune

L 110 **K.R. RAMANA**, National Institute of Construction Management & Research. Hyderabad

* ISE Website launched

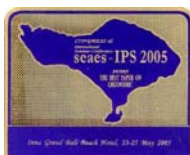
Fulfilling a long-felt need for a centralized and easily accessible source of information the internet web-site of the ISE has been launched. It provides information about the Society, its members and news of their activities. The current Newsletter is available online along with an archive of past issues. Those seeking membership can view details and download the application form. Contact details of ISE office-bearers are provided on the site, and also links to many related web-sites. The website can be accessed at <http://ise.org.in/>. Your feedback and suggestions for improvement are solicited.

* Laurels won

Ergonomics group of DIPAS wins award

The Ergonomics group of DIPAS (Defence Ins, under the able leadership of Dr. D. Majumdar has received “**DRDO Technology Group Award**” for the year 2003-2004 for the successful Absorption of 3-D Motion Analysis Technology in September, 2004. This year on the National Technology Day (11th May, 2005) Dr. D. Majumdar had received “**Technology Award**” for the significant contribution in the field of “3-D Motion analysis and Ground reaction force”.

Best Paper award at the SEAES conference



The paper entitled “Impact of Office Automation on Personal Health of the Office Goers in India: A Case Study” by C.B.Rade, K.Prajapati and G.G.Ray was adjudged to be the **best paper** at the 8th South East Asia Ergonomics Society Conference held in Bali, Indonesia in May 2005.

✳ Report SEAES IPS 2005, Bali

The 8th South East Asia Ergonomics Society Conference, 12th Indonesian Physiological Society Congress and 15th Scientific Seminar were held in Bali, Indonesia from 23rd to 25th May 2005. From India, ISE members Professor G.G.Ray of IIT-Bombay and Dr. Pushpinder Kaur Sandhu of Punjab Agricultural University, Ludhiana were participants.

The congress was inaugurated by DR dr Siti Fadilah Supari, Sp. JP, Minister of Health, Republic of Indonesia. Inaugural addresses were delivered by Professor Nyoman Adiputra, (Chairman of Organizing Committee) and Professor Pierre Falzon, President of IEA.



Conference Inauguration by
DR dr Siti Fadilah Supari



Prof. Nyoman Adiputra



Prof. Pierre Falzon

On the first day, three keynote addresses were presented by Professor P. Falzon, Dr. K. Kogi (participatory ergonomics for improving working conditions, health and safety) and Professor Martin Helander (human factors aspects of reducing man product complexity). In the session on Agricultural Ergonomics, resolutions to be presented to IEA for introducing the section on Agricultural ergonomics under IEA programme were finalised.

On the second and third days, there were keynote addresses by Professor S. Kumar (importance of biomechanics in ergonomics and design), Mr D.H.O'Neil, (impact of socio-cultural diversity in the field of agriculture), Dr. Harjanto (redox regulation and homeostasis), Professor Kee Yong Lim and Professor Halimahtun Khalid.



Professor S.Kumar



Dr. Pushpinder Sandhu



Cultural programme

The session on Design and Development was chaired by Prof.G.G.Ray, who also presented a paper on impact of office automation on health. Dr. Pushpinder Sandhu presented three papers. The Governor of Bali hosted dinner at his residence, followed by a cultural programme. The paper entitled "Impact of Office Automation on Personal Health of the Office Goers in India: A Case Study" by C.B. Rade, K. Prajapati and G.G. Ray was adjudged to be the best paper and the award was presented during the closing ceremony.

The venue for the next SEAES conference was finalized as Thailand in 2008.

✳ 92nd Indian Science Congress

Symposium on "Ergonomics and Occupational Health"

The 92nd session of the Indian Science Congress Association was held in Ahmedabad from 3rd to 7th January, 2005. Under the leadership of sectional President Dr. P.K. Banerjee

(Director, DIPAS), Section 11 (Medical Sciences including Physiology) organized a symposium on “**Ergonomics and Occupational Health**” on 7th January. There were more than 50 participants, including Dr. W. Selvamurthy Chief Controller (Life sciences), DRDO. The session was chaired by Dr. P.K. Nag and Dr. Ramnik Parekh.



L to R:
Dr. G. Khanna,
Dr. P.C. Dhara,
Dr. A. Goswami,
Dr. R. Parekh,
Dr. W. Selvamurthy,
Dr. P.K. Banerjee,
Dr. P.K. Nag,
Dr. S. Ghosh,
Dr. H. Jana.
(Photo -Dr. Anjali Nag)

Dr. P.K. Nag elaborated the trends in industrial ergonomics in India. Dr. Ramnik Parekh explained about his experience and many critical areas of occupational health management in India during the last two decades. Dr. D. Majumdar of DIPAS described how 3D motion analysis technology has been successfully absorbed for experiments on load carrying. Dr. A. Roychowdhury of Regional Occupational Health Centre (East) described the health hazards in the chemical industry, with special emphasis on the toxic effects of the chemicals, specially lead. Various ergonomics aspects of rice cultivation in rural India were the focus of the lecture of Dr. P. Dhara. Over and above these, there were special lectures by leading ergonomics practitioners of the country. A poster session was also organized.

*** 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-22th 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.

XVIIth 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](#).

PhySIcon2005

XVIIth Annual Conference of the Physiological Society of India

2-3 December 2005, Gulbarga, Karnataka, India

Venue: Department of Physiology, M.R.Medical College, Gulbarga, Karnataka 585105

There will be a **CME module** on 1st December 2005:

Topic: Industrialization, Biodiversity and Environmental Health- A Challenge to Physiologists

Chief Guest: Prof.Michal Horowitz, Hebrew University, Jerusalem, Israel

The **National Conference** will be on 2nd & 3rd December, 2005.

Chief Guest: Prof.John F.B.Morrison UAE University ,UAE / Univ.of Leeds, UK

Guest of Honor: Dr.Pratul Kumar Banerjee, Director, DIPAS / DRDO, Delhi

Special Guest: Dr.Dewan S.A.Majid, University of Tulane,USA

Plenary Note on: "**Ergonomics, Work & Exercise Physiology and Occupational Health - A Modern Approach**". Speakers: Dr.J.Prakasha Rao (CMC,Vellore), Prof.Gaur G.Ray (IIT-Bombay), Dr.Somnath Gangopadhyay (Univ. of Calcutta), Dr.Prakash Ch. Dhara (Vidysagar University), Prof.M.Fahim (Univ.of Delhi), Dr.Anura V.Kurpad (St.John's Medical College), Dr.Sivaprasad S.Goudar (JN Medical College,Belgaum), Dr.K.C.Mathur, (Medical College, Bikaner), Dr.Gulshanlal Khanna (SAI,Bangalore), Prof.C.Mitra (Presidency College, Kolkata)

Major Deadlines:

Submission of Abstract: 30th.Sept, 2005

Registration: 30th Sept, 2005

Registration with late fee: 31st Oct, 2005

Contact: Email: mrmcphysio@yahoo.com

Website: <http://www.geocities.com/mrmcphysio/mrmcphysio.html>



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.Debkumar Chakrabarti, hwwe2005@iitg.ernet.in

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.

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

See update below. Visit the website: www.iea2006.org for detailed information.

*** IEA 2006 Update**

16th World Congress on Ergonomics IEA2006:

Since spring this year the submission of proposals has been open. You can follow the progress on the website www.iea2006.org under Program. Click to different pages to see which plenary papers, parallel sessions, multi session symposia, interactive sessions have been proposed. Many of these allow more abstracts, so please feel free to react. Under Abstracts you find the abstract submission pages. Please note that the submission closes on October 1st 2005.

The congress really lives amongst the ergonomics society over the world. All IEA Committees, all IEA Technical Groups and many other networks will organize meetings, most of which are open for any participant.

We look forward to meeting you from 10-14 July 2006!

Ernst Koningsveld
IEA2006 Congress Chair

*** IEA - K.U.SMITH Student Award**

The INTERNATIONAL ERGONOMICS ASSOCIATION (IEA) K.U. Smith Student Award honors a deserving student responsible for an application of or contribution to ergonomics/human factors (E/HF). The next award will be presented during the IEA 2006 XVIth Triennial Congress, scheduled to convene July 10-14, 2006, in Maastricht, Netherlands.

The Award winner will receive of a cash award of US \$3,000. Depending upon need, an additional stipend for travel to the Congress also may be awarded to the winner. Certificates will be awarded to two runners-up.

Any student enrolled in an accredited post-secondary institution (college, university, technical, or vocational school) worldwide is eligible to apply for the award. All areas of E/HF are eligible for consideration. Examples of applicable projects include an applied E/HF project, a human performance study or analysis, a design project or product, a research project undertaken in the laboratory or field, or a theoretical/conceptual contribution to E/HF.

A student wishing to apply for the award should submit the following to the IEA Student Award Committee:

- (1) Five copies of the abstract for a paper that the student has authored, that documents an application of or contribution to E/HF on the part of the student.
- (2) A resume for the student, with the student's name, full address, e-mail and phone numbers, institution enrolled in, experience, list of publications, and a summary of accomplishments and/or contributions related to the field of E/HF. The resume should be limited to 4 pages in length.
- (3) A letter from the student's academic advisor on institutional letterhead certifying the following: (1) that the paper described in the abstract was written by the student; (2) that the student was enrolled in the academic program at the time that work described in the abstract was carried out; (3) when the work described in the abstract was carried out; and (4) that the abstract is being submitted for the IEA K.U. Smith Student Award.

The IEA Student Award Committee will select the awardee and two runners-up using a two-stage procedure: (1) review of abstracts and resumes; and (2) review of full paper.

Students who have successfully passed the first stage will be invited by the IEA Student Award Committee to submit full papers for final selection. Two selection criteria will be used to select the awardee and runners-up:

- (1) Quality of contribution to E/HF, as documented in the full paper; and
- (2) Other accomplishments in and contributions to E/HF, as described in the resume.

Deadlines for the award process are as follows:

- Oct. 2, 2005: Abstracts, resumes and advisor letters must be received by the IEA Student Award Committee (the address for submitting applications is given below).
- Nov. 6, 2005: Applicants eligible for submitting full papers will be notified by this date.
- Jan. 8, 2006: Full papers from eligible applicants must be received by the IEA Student Award Committee by this date.
- Feb. 5, 2006: Applicants informed of results of award evaluation by this date.
- March 1, 2006: Full paper by winner due to IEA 2006 Congress Program Committee by this date (visit <http://www.iea2006.org/> for details). (NOTE: The IEA 2006 Congress Program Committee will reserve a slot for the award winner to present her/his paper. The winner does NOT have to meet the Oct. 1, 2005 deadline for submitting paper abstracts. However, the winner must submit her/his full paper to the IEA 2006 Congress Program Committee by March 1, 2006.)

Applications for the IEA K.U. Smith Student Award should be sent to the Chair of the IEA Student Award Committee:

Chair: Prof. Michael Smith
Department of Industrial Engineering
University of Wisconsin, Madison
1513 University Avenue
Madison, WI 53706
Fax: 608-262-8454
Email: mjsmith@enr.wisc.edu