



ISE Newsletter

Quarterly newsletter of the INDIAN SOCIETY OF ERGONOMICS (ISE)

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Forthcoming National events:

- * **3rd National Training on Advanced Instrumentation in Ergonomics for Occupational Health Research**, October 3-5, 2018, Ahmedabad, Gujarat
- * **16th meeting of the ISE and HWWE 2018** December 14-16, 2018, Thiruvananthapuram, Kerala

Forthcoming International events:

- * **IEA 2018 – 20th Congress of the International Ergonomics Association** 26 – 30 August 2018, Florence, Italy
- * **TRANSED 2018 - 15th International Conference on Mobility and Transport for Elderly and Disabled Persons**, November 12 - 15, 2018, Taipei, Taiwan
- * **AEC 2019 - Applied Ergonomics Conference**, New Orleans, Louisiana, USA

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

* Welcome New members!

ISE Newsletter welcomes the following new Life Members:



L-468 Farahna Navroz Tejani, Mumbai

L-469 Chirapriya Mondal, Kolkata

L-470 Ashok. P, Coimbatore

L-471 Bijulal D., Thiruvananthapuram

* Achievements



Dr. Krishna Nirmalya Sen has been appointed as Chair of the ICOH Scientific Committee on **OH in the Construction Industry** for the tenure 2018-2021. He will focus on priorities of action including advancing proactive risk management, extending occupational health services to all workers and developing action-oriented toolkits together with strengthening ICOH network activities.



* Member Activities

Vestibulator: A new tool in therapy for cerebral palsy children

Under the guidance of Prof. Gaur G. Ray, IDC, IIT Bombay, Dr. Ali Hosseini from Tehran has developed a new approach on vestibular therapy through his PhD work at the Department of Biosciences and Biotechnology, IIT Bombay. Based on this concept a machine was developed which can stimulate the vestibular apparatus of the ear in different orientations of the body and the dose of exposure can be measured by noting down the degree of displacement, frequency, and duration of the displacement in four different types of movements *viz*, horizontal, tilt, vertical, rotation, in four different postures, lying, sitting, crawling, and standing. The doctoral research proved that by controlled vestibular stimulation on a routine basis the muscle tone and balancing reflexes what can be obtained by conventional method approximately by six months can be achieved in three months. Based on these research findings a machine was developed as shown in the figure below to stimulate the vestibular mechanism of the ear. The concept is also effective for the therapy of autistic children.



The first such vestibulator has been installed successfully at the POSAT Foundation, Borivali (W), Mumbai. The machine has been patented by IIT Bombay and has been named as 'Ray' to honor the inventor.

National Occupational Health Day at RSP

On the occasion of National Occupational Health Day (July 9, 2018), Dr. Chandan Kr. Pradhan, ISE Treasurer, spoke on "Managing Ergonomics" at a programme jointly organized by the Rourkela Steel Plant and the Odisha Branch of the IAOH (Indian Association of Occupational Health).



Dr.D.N.Mohapatra, Ex-Director, Medical & Health Services, In-Charge Bokaro General Hospital and Ispat General Hospital Rourkela felicitates Dr.C.K.Pradhan. Dr.T.Mishra, Sr. Deputy Director, In-Charge OHSC Rourkela Steel Plant, Dr.R.K.Behera, Joint Director, In-Charge Surgery, Ispat General Hospital, Dr.R.B.Mohapatra, Ex-Assistant Director, Ispat General Hospital Rourkela, and Sri.R.Agarwal, ED (Project), RSP, Chief Guest, look on.

* Dental Ergonomics Course



ISE is partnering with [Bodhi Health Education](#) for its Dental Ergonomics Course. Currently this course is online, and a calendered offline course will be announced very shortly.

* Applied Ergonomics Conference 2019



The 22nd Annual Applied Ergonomics Conference (AEC), presented by GOErgo, a worldwide resource dedicated to the support of the profession and individuals involved with improving workplace performance, quality, sustainability and employee availability is scheduled for March 25-28, 2019 at the Hyatt Regency New Orleans, New Orleans, Louisiana, USA.

The Applied Ergonomics Conference (AEC) is one of the largest and most impressive ergonomics conferences in North America. Presenters are practitioners sharing real-world experiences and practical solutions to common problems in industry. This conference provides comprehensive and broad-spectrum education for employees at all levels (managers to professionals to line-workers).

Oral and Poster presentations will be presented in the following areas:

- Advancements in Ergonomics
- Ergonomics In Action
- Ergonomics Programs

- Office Ergonomics Programs and Applications
- Ergonomics in Health, Safety and the Environment (HSE)
- Multi-skilled Ergonomics Practitioners
- Master Track

ISE continues to be an International Alliance Partner of AEC. **ISE Members will get Discounted Registration** – contact the Hony General Secretary for Alliance Partner Code.

Abstract Submission for Poster Presentation Deadline: November 9, 2018.

Ergo Cup Submission Deadline: October 26, 2018.

[Click here to visit AEC 2019 website](#)

Forthcoming National Events



3rd National Training on Advanced Instrumentation in Ergonomics for Occupational Health Research

03-05 October, 2018

Ahmedabad

Course Contents

- Introduction to Ergonomics
- Anthropometrics & Human Strength
- Design Ergonomics
- Physical Ergonomics
- Occupational Biomechanics
- Subjective Ergonomics
- Bio-informatics in Ergonomics Research
- Hand-on-experience on Ergonomics Instrumentation

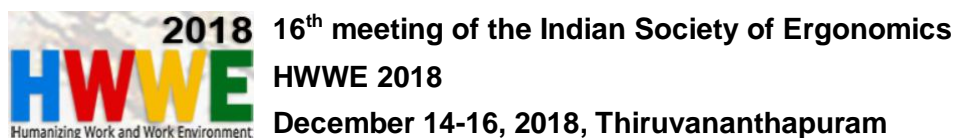
Course Co-ordinator

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December 14-16, 2018, Thiruvananthapuram

The 16th meeting of the Indian Society of Ergonomics and HWWE 2018 will be held at the College of Engineering (CET), Thiruvananthapuram, Kerala, December 14-16, 2018. Please visit the website of the event at <http://hwwe2018.cet.ac.in/> for more details and to download the brochure. Prof D.Bijulal is the Organizing Secretary.

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20th CONGRESS
INTERNATIONAL ERGONOMICS ASSOCIATION
FLORENCE August 26th-30th, 2018

The Italian Society of Ergonomics is pleased to host in 2018 in Florence, the 20th international IEA conference. It is the first time in the history of the 50 years of the IEA and the SIE that this event will take place in Italy. The theme of the congress is "Creativity in Practice", with reference to the typical challenge of the Italian way to innovation.

Website: <http://iea2018.org/>

Facebook: <https://www.facebook.com/FlorenceIEA2018/>

Special session entitled "Health and Welfare of Female Workforce: Ergonomics and Occupational Health Perspective" during by IEA 2018- 20th congress of International Ergonomics Association

Florence, 26 - 30 August, 2018

Dr. Urmi R. Salve and Prof. Debkumar Chakrabarti inform that a special session entitled "Health and Welfare of Female Workforce: Ergonomics and Occupational Health Perspective" will be a feature of the IEA 2018-20th congress of International Ergonomics Association (Florence, 26-30th August, 2018).

For any related query please contact:

Dr. Urmi R. Salve, Contact: +91 8723828575, +91 361 2582473, email: [urmi.salve \(at\) iitg.ernet.in](mailto:urmi.salve@iitg.ernet.in)



15th International Conference on Mobility and Transport for Elderly and Disabled Persons (TRANSED 2018)

November 12 - 15, 2018, Taipei, Taiwan

The 15th International Conference on Mobility and Transport for Elderly and Disabled Persons (TRANSED 2018) will be held in Taipei from Monday November 12 to Thursday November 15, 2018 at the Taipei International Convention Center, No. 1 Hsin-Yi Road, Section 5, Taipei 11049, Taiwan R. O. C. Eden Social Welfare Foundation, with the support of Taiwan Government, is the host of this conference and exhibition. TRANSED is traditionally held in Europe and North America; Taiwan is the fourth city in Asia to host TRANSED following India. A limited number of scholarships will be offered to authors and delegates whose abstract/participation discuss work that has substantial contribution in their home country and who are in need of financial assistance to attend the conference.

Visit the TRANSED 2018 official website <http://www.transed2018.com/> or email the organizers at transed2018@transed2018.com to receive updates on all conference developments.



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- Master Track

Submit your abstract for poster presentation - until Nov. 9, 2018.

For additional information, please visit the Applied Ergonomics Conference website:

www.appliedergoconference.org

* Knowledge Base

The IEA Definition of Ergonomics < <https://www.iea.cc/whats/index.html> >.

Ergonomics (or human factors) is the scientific discipline concerned with the understanding of the interactions among humans and other elements of a system, and the profession that applies theoretical principles, data and methods to design in order to optimize well-being and overall performance.

Practitioners of ergonomics, ergonomists, contribute to the planning, design, implementation, evaluation, redesign and continuous improvement of tasks, jobs, products, technologies, processes, organizations, environments and systems in order to make them compatible with the needs, abilities and limitations of people.