



ISE Newsletter

Quarterly newsletter of the INDIAN SOCIETY OF ERGONOMICS (ISE)

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No. 3

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Forthcoming National events:

HWWE 2021 **Gone Virtual**
Annual Conference of the Indian Society of Ergonomics,
November 29 – December 3, 2021
Guwahati, Assam

Forthcoming International events:

- * **Ergonomics and Human Factors EFH, Public Health and Counterhegemony**
November 17, 2021
6:30 – 11 pm, IST on Zoom

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

For your security, ensure that you can view the padlock symbol  and <https://ise.org.in> on the web address before you enter



* Welcome New members!

ISE Newsletter cordially welcomes the following new Life Members:



- L-504 - Gurdeep Singh, Ludhiana
- L-505 - Jitesh Singh Chauhan, Rewa
- L-506 Kapil Chalil Madathil, Clemson, SC, USA
- L-507 Bhaskar Chakraborty, Kolkata
- L-508 Ajay Kumar, Bengaluru
- L-509 Jaya Sinha, Samastipur

* HWWE 2021

2021 **Humanizing Work and Work Environment**
HWWE The 19th International Conference of the INDIAN SOCIETY OF ERGONOMICS
Humanizing Work and Work Environment Theme: *User Centered Design for Quality Life*

HWWE 2021 conference would be conducted in ONLINE MODE

Considering the online mode, the registration fees have been revised.

1-3 December 2021 - Conference



Center for Ergonomics: User centered Design and Occupational Wellbeing
Department of Design
INDIAN INSTITUTE OF TECHNOLOGY GUWAHATI
Guwahati, Assam, India- 781039
Phone: +91-361-25823097 Email: hwwe2021@iitg.ac.in / 2021hwwe@gmail.com
Website : <http://event.iitg.ac.in/hwwe2021/index.html>

* ISE Annual General Body Meeting 2021

The Annual General Body Meeting (AGM) of the Indian Society of Ergonomics will be held on Thursday, December 02, 2021 in **ONLINE MODE**

Notification about the meeting, along with Agenda and link (URL) will be sent to all members one month before the date of the meeting. Please contact the Hony. General Secretary if you are a member of the ISE and do not get the AGM Notice within the first week of November 2021.

* Awards

IEOM Outstanding Professor in Human Factors Award



Prof. Rauf Iqbal, National Institute of Industrial Engineering (NITIE), Mumbai has been awarded as the "Outstanding Professor in Human Factors" by the Industrial Engineering & Operations Management (IEOM) Society International in recognition and appreciation of outstanding research and teaching in Human Factors & Ergonomics and Service to the Industrial Engineering & Operation Management profession. The award was presented on 18th August 2021.

Dieter W. Jahns Student Practitioner Award - 2021

Ms. Bhawana Rathore, Research Scholar, National Institute of Industrial Engineering (NITIE), Mumbai has been awarded the Dieter W. Jahns Student Practitioner Award - 2021 by the Foundation of Professional Ergonomics, USA. Ms. Bhawana Rathore is the first student from India to win this award. The award includes \$1000 (US) and an acrylic award. Another \$1,000 (US) will be awarded to Prof. Rauf Iqbal's discretionary fund in recognition of their project's excellence in the practice of ergonomics and human factors.



* IEA News Briefs

Get Involved with IEA Technical Committees

An important driving force behind the IEA's activities comes from the work of 27 technical committees. Technical Committees (TCs) are ad-hoc special-interest groups that are formed as a platform to exchange up-to-date information on a particular field in ergonomics and human factors. Any member of an IEA federated society (<https://iea.cc/member-societies-networks/federated-societies/>) may join one or more of these groups by applying to the appropriate chair. Technical Committee members receive information about upcoming events and publications. Some offer platforms to participate or follow scientific discussions and some produce webinars. Some partner with leading ergonomics journals around certain special-issue calls. As of June 2021, there are 27 Technical Committees. Check out the Technical Committees on IEA's page and get involved in those that interest you: <https://iea.cc/leadership/technical-committees/>

Slip Resistance Measurements -- Call for Special-Issue Article Submissions

Drs. In-Ju Kim, Thurmon Lockhart, and Sophia Yue Li are planning a Special Collection proposal that will be submitted to *Frontiers in Public Health*. The topic of the proposed Special Collection is slip resistance measurements (and related slip and fall research). *Frontiers in Public Health* is a multidisciplinary open-access journal that publishes rigorously peer-reviewed research and is at the forefront of disseminating and communicating scientific knowledge and impactful discoveries to researchers, academics, clinicians, policymakers, and the public worldwide. If you are interested in contributing an article to this Special Collection, please contact Dr. Sophia Yue Li (Co-chair of IEA's Slips, Trips, and Falls [STF] Technical Committee) at yue.li@uhn.ca. For more information about the STF committee, please visit: <https://w3.tohoku.ac.jp/stftc/about/>

Special Issue Article Submissions

Special-Issue Editors Drs. Andrew Thatcher from South Africa, Paul H.P. Yeow from Vietnam, Tiago FA.C. Sigahi from Brazil, and Paul M. Salmon from Australia are seeking journal article submissions for a special issue in the journal *Ergonomics*. The topic is "Applying E/HF systems thinking to complex global problems," and the manuscript deadline is 18 February 2022.

For more information please visit: https://think.taylorandfrancis.com/special_issues/systems-thinking-complex-global-problems/

IEA Webinar on Certification Processes Around the World -- Link to Recording

If you missed the latest webinar hosted by IEA on how to become certified in the USA, Brazil, Europe, New Zealand, and South Africa, catch IEA Secretary-General Maggie Graf, Carol Stuart-Buttle CPE, Andrew Thatcher, Marion Edwin, Marcio Marçal, and Bernard Dugué to find out what was discussed on the IEA's YouTube channel: <https://www.youtube.com/watch?v=XtyKUfB4Oy0>

[Reminder] Foundation for Professional Ergonomics (FPE) Impact Grants

The Foundation for Professional Ergonomics (FPE) is pleased to announce the availability of the FPE Impact Grants to support small projects developing professional ergonomics around the world. Funding preference will be given, but not limited to, applicants from developing countries (as defined by the United Nations) or proposals that help to develop or grow professional ergonomics in developing countries. The FPE Impact Grants are intended as seed funding for small (pilot) projects that could lead to (but not required) more extensive funding opportunities from other sources in the future. The expected budget of a single proposal should be between \$500 and \$2,000 and must not exceed 2,500 USD. The deadline for submission is 15 November 2021 with awards given before the end of the year, 31 December 2021. Send proposals to Waldemar Karwowski, wkarwowski@gmail.com or Harvey Cohen, harvey@erroranalysis.com.

The general format for proposals can be downloaded at:

<https://www.ergofoundation.org/media/attachments/2021/09/10/fpe-impact-grants-template-2021.pdf>

OTHER LINKS OF INTEREST

Archive of previous NewsBriefs: <https://iea.cc/iea-newsbriefs-archive-of-past-issues/>

More news from IEA: <https://iea.cc/category/headlines/>

IEA Press publications: <https://iea.cc/publication/>

IEA YouTube channel: <https://www.youtube.com/channel/UCDnjCjRcYB7rBR2PJFw6k6w>

* CII – ISE Collaboration

CII-ISE LIVE Conference

As part of the continuing effort to forge ties with stakeholders, ISE collaborated with CII in a LIVE (Lighting, Industrial Ventilation, and Ergonomics) conference held over four days (1st to 4th September, 2021).



Dr. **Bharti Jajoo** was one of the speakers on the session on Ergonomics on the 4th of September 2021.

Session on Ergonomics:
Futuristic Workplace Environment for better Performance & Well-being
on 4 September 2021, from 1700 - 1900 hrs

SPEAKERS



Mr Suresh Krishn
Session Chair,
President, CREDAI, Tamil Nadu and
Managing Director
Isha Homes (India) Private Limited



Dr Poornima Venkat
Founder & Proprietor
Dhanvanthri Physiotherapy Clinic



Dr Bharati Jajoo
Founder & Chief
Body Dynamics



Mr Dhiren Gopal
Director
Featherlite Group



Ms Tatiana Gomez F
Performance Environments
Workplace Consultant
APMEA Region
Herman Miller, Hong Kong



Mr Dinesh Malkani
Founder & Chief Executive Officer
Smarten Spaces, Singapore

SESSION TOPICS

- > Ergonomics for the Office Furniture
- > Musculoskeletal health in Hybrid workplaces
- > Technology for the Hybrid workplaces

- > The Building Blocks of Hybrid Workspaces
- > Ergonomics and future of work

Member Activities

CII Webinar Series on Safety

As part of the CII (Confederation of Indian Industry)'s Webinar Series on Safety, a workshop on Industrial Ergonomics - Risks & Mitigation Strategies was organized on 30th July 2021 at the CII Naoroji Godrej Centre of Manufacturing Excellence, which was attended by more than 400 Industry members across India. Dr **Swati Pal**, Associate Professor, IDC School of Design, IIT Bombay, Mumbai, was the keynote speaker. Dr. **Reena Valecha**, Principal Ergonomic Consultant, Godrej Interio conducted the workshop session on Industrial Ergonomics - Risks & Mitigation Strategies.

Helping Children Adapt to Learning from Home

Initiative by
interio | EDUCATION



HELPING CHILDREN ADAPT TO LEARNING FROM HOME

- Current landscape of online schooling and way forward
- Impact on overall child well-being
- Ergonomics and wellness guide to learning from home

WEBINAR HOSTED ON ZOOM
**THURSDAY, JUNE 24th 2021,
4 PM ONWARDS**

Dr. **Reena Valecha** created an Ergo Guide for Parents to help children adapt to learning from home and conducted an educational webinar on this topic on 24th June 2021 which was attended over 3000 educators registered to attend the webinar and many more attended it through Zoom, FB, Instagram, LinkedIn, Twitter, and YouTube Live.

National workshop on 'Methodologies for use of Low-Cost Ergonomic Tools'

The Department of Family Resource Management, Punjab Agricultural University, organized a three-day National workshop (28-30 July, 2021) on 'Methodologies for use of Low-Cost Ergonomic Tools' in collaboration with Dr. B R Ambedkar National Institute of Technology (NIT), Jalandhar. It was organized for the students and faculty from the ergonomics field to acquaint the participants about various subjective and objective ergonomic tools for analysis of postural discomfort and to provide appropriate methodologies for the analysis of health and safety at the workplace. The workshop was organized under the guidance of Dr. Sandeep Bains, Dean, College of Community Science and Dr. Deepaka Vig, Head, Department of Family Resource Management. Dr Harpinder Kaur, Professor, Family Resource Management, was the coordinator of this workshop. The Chief Guest of the inaugural session was Dr. L.K. Awasthi, Director, NIT, and Jalandhar. Prof. Awasthi highlighted the importance of ergonomics in industry especially the IT sector and daily life as well. He appreciated the initiative taken by the coordinators of both institutes for conducting this hands-on-training workshop. The expert speaker for this workshop was Dr. **Lakhwinder Pal Singh**, Associate Professor NIT Jalandhar. On the first day the topic covered was introduction of contemporary tools followed by a detailed posture analysis using OWAS, RULA, and REBA for the risk assessment of WRMSD. On the second day emphasis was put on risk assessment of DUE disorders using Strain Index method. On the last day, the participants were introduced to biomechanical issues of lifting and lowering jobs and practised on assessment and design of lifting tasks using the NIOSH lifting equation.



Dr A. K. Ganguli, President, Indian Society of Ergonomics presided over the valedictory session on third day of the workshop. The participant's feedback responded that the sessions were very interactive and included the practical use of various ergonomic tools for workplace analysis to ensure healthy and safe environment for the workers. In the last, the organizers formally thanked all the participants and dignitaries.

3rd ICC Occupational Health & Safety Conference and Awards

The 3rd National Occupational Health & Safety Conference and Awards was organized by Indian Chamber of Commerce (ICC) on 25th September, 2021. The National Occupational Health and Safety Awards are awarded to organizations for their excellence in the sphere of Occupational Health and Safety practices and Management at the workplace. More than 50 companies showcased their best practices in occupational health and safety. Dr. **K.N. Sen**, Mr. **Bhaskar Chakraborty**, Dr. **Subhashis Sahu**, and **Indranil Chakraborti** were among the jury members.

The conference was held at the Indian Chamber of Commerce auditorium, Kolkata, and live streaming was held on YouTube. About 100 participants from different industries were present physically and more than 250 viewers watched it virtually.

YouTube Link: <https://youtu.be/gRZgdQrCUmM>



The welcome address was delivered by Dr. **Krishna Nirmalya Sen**, Chairman, ICC OHSE expert committee while the Awards were presented to the winners by the Honourable State Minister, Mr. Becharam Manna (Dept of Labour, GoWB) in presence of Dr. Sen and Dr. Rajeev Singh, Director General – ICC. Apart from the Director General, DGFASLI, National Safety Council, and Senior Scientist (ISCCC, Sweden), speakers from different industries and academia enriched the programme.

Mr. **Bhaskar Chakraborty**, Mr. **Indranil Chakraborty**, and Dr. **Subhashis Sahu** were among the session chairs in different technical sessions. During the second technical session, Dr. Subhashis Sahu also made a deliberation on “Work From Home (WFH): Emerging Challenges in Occupational Health and Safety”. The conference emphasizes that maintaining occupational health and safety at work is a responsibility vested in the hands of all through the adoption of training, research, and practices.

Ergoengineering 2021



Prof. **L.P. Singh** delivered a talk on "Ergonomic Innovation -A Need of the Hour" in "Ergoengineering 21" Innovation for an Ever-changing World, organized by Industrial and Systems Engineering Department, Gokongwei College of Engineering, De La Salle University-Manila, Philippines.

* Publications

Das B (2020) Work-related injuries, postural stress, and musculoskeletal disorders among the railway track maintainers in India. *Toxicology and Industrial Health*. Vol. 36(5), 371-385.

Das B (2020) Prevalence of work-related occupational injuries and its risk factors among brickfield workers in West Bengal, India. *International Journal of Industrial Ergonomics*, Vol 80, 103052.

Das B (2021) Improved work organization to increase the productivity in the manual brick manufacturing unit of West Bengal, India. *International Journal of Industrial Ergonomics*, Vol 81, 103040.


Sett M, **Sahu S.** (2021). Occupational Problems in Female Brick Field Workers in West Bengal: An Ergonomic Perspective. In *Voice beyond Silence: Issues and Insights* (1st ed.) (Edited by Roy K, Bagchi N, Ghosh M) Kolkata: SOPAN, p 52-65 (ISBN: 978-81-948279-2-4)

Dutta K, Mukherjee R, Das R, Chowdhury A, Sen D, **Sahu S.** (2021). Scheduled optimal sleep duration and screen exposure time promotes cognitive performance and healthy BMI: a study among rural school children of India. *Biological Rhythm Research*. 52(10):1501-1513. DOI: 10.1080/09291016.2019.1646505

Das A, Hasmat N, Ghosh SK, **Sahu S.** (2021). Effects of Ramadan intermittent fasting and pattern of nutrients intake on BMI and MUAC of a population consisting of Indian Muslims. *Biological Rhythm Research*. 52(8):1260-1269. DOI: 10.1080/09291016.2019.1700328.

* Patents

The “Ergonomic workstation for checkout operators employed in supermarkets” designed by Nabila Rehman has received a design patent.

DESIGN NUMBER	312818-001	
CLASS	12-02	
1. NABILA REHMAN, 4-CHHA-4 VIGYAN NAGAR, KOTA (324005) RAJASTHAN INDIA. 2. NAMRATA ARORA CHARPE, 611 RAMANUJAN NIWAS, BANASTHALI VIDYAPITH, P.O. BANASTHALI VIDYAPITH, RAJASTHAN – 304022 INDIA.		
DATE OF REGISTRATION	05/12/2018	
TITLE	SHOPPING CART	
PRIORITY NA		

* Forthcoming International Events



Facultad de Salud
Escuela de Salud Pública
EXTENSIÓN Y PROTECCIÓN SOCIAL

ERGONOMÍA Y FACTORES HUMANOS EFH, SALUD PÚBLICA Y CONTRAHEGEMONÍA.

NOVIEMBRE 17

8:00 A.M. - 1:00 P.M.

ZOOM

Enlace de Inscripción

<https://forms.gle/VbXRzwMqDvZpzcSU6>

AGENDA

8:00 – 8:10 am
Presentación del Foro
Carlos Andrés Fandiño Lozada Universidad del Valle, Colombia.
Director de Postgrados Escuela de Salud Pública.

8:10 am – 8:30 am
La Ergonomía desde la Mirada del Sur Global.
José Orlando Gomes. Presidente Asociación Internacional de Ergonomía. (IEA)

8:30 am-8:50 am
La Ingeniería de resiliencia en la Prevención de Desastres.
Yushi Fujita (Japón) Past President IEA

8:50 am – 9:10 am
La Investigación Ergonómica en la Economía Informal y el Futuro del Trabajo, la experiencia de Sud África.
Andrew Todd. (Sud África) Universidad de Rhodes

9:10 am -9:30 am
El Análisis de la Actividad, una Propuesta Metodológica con mirada sistémica en EFH.
Hakim Benchekroun (Francia) CENAM

9:30 am-9:50 am
Ergoecología una Propuesta desde la Epistemología del Sur.
Karen Lange Morales-Gabriel García Acosta (Colombia) Universidad Nacional

9:50 am – 10:10 am
Contrahegemonía, Salud Pública y Ergonomía.
Juan Carlos Velásquez Valencia (Colombia) Universidad del Valle Escuela de Salud Pública El

9:50 am – 10:10 am
Contrahegemonía, Salud Pública y Ergonomía.
Juan Carlos Velásquez Valencia (Colombia) Universidad del Valle Escuela de Salud Pública El

10:10 am – 10:30 am
Abordaje de la Escuela Naturalistic Decision Making.
Kathleen Mosier (Estados Unidos de Norte América). Past President IEA

10:30 am – 10:50 am
Territorio Escuela, Ergonomía y Buen Vivir desde la Educación Rural.
Guillermo Castaño Ardila – UTP. Escuela Campesina de Agroecología Ynuruba – Tucurimbi. Colombia

10:50 am – 11:20 am
Preguntas a los expositores

11:20 am – 1:00 pm
Debate e intervenciones de invitados
Maggie Graff (IEA VP & SG) Suiza
Alexander Thomas (IEA VP & Treasurer) Alemania,
Mario Vidal (IEA PSE co-chair LA) Brasil
Paulo Antonio Barros (IEA ID co-chair LA), Brasil,
Martin Rodriguez (IEA ID co-chair LA) Argentina,
Takeshi Ebara (IEA PSE Chair) Japón,
Anyndya Ganguli, (IEA ID Chair) India.

1:00 pm.
Conclusiones y Cierre del Foro.
Carlos Andrés Fandiño Lozada Universidad del Valle Colombia



Registration link: <https://forms.gle/VbXRzwMqDvZpzcSU6>