



# ISE Newsletter

Quarterly newsletter of the INDIAN SOCIETY OF ERGONOMICS (ISE)

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## Forthcoming National & International events:

\* **HWWE 2022**

Annual Conference of the Indian Society of Ergonomics,  
Punjabi University, Patiala, Punjab

**24-26 November 2022**

\* **PREMUS 2023**

11th International Scientific Conference on the  
Prevention of Work-Related Musculoskeletal  
Disorders  
Bengaluru & Online  
22-24 September, 2023

\* **Joint International Conference**

Asian Conference on Ergonomics and Design (ACED)  
2023, Humanizing Work and Work Environment  
(HWWE) 2023, and BRICSplus Human Factors &  
Ergonomics Conference (BRICSplus HFE) 2023,  
NITIE, Mumbai

**14-16 December 2023**

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-518 Ekta Kapri, Hisar

L-519 Arundhati Guha Thakurta, Mumbai

## \* ISE Annual General Body Meeting

Notice of the Annual General Body Meeting (AGM) of the ISE has been sent to all members at their registered email address. Please contact the General Secretary if you have not received the notice.

## \* HWWE 2022 Update



**Humanizing Work and Work Environment – the Annual Conference of the Indian Society of Ergonomics**

Punjabi university, Patiala, Punjab

24-26 November 2022

Theme: Health Wellness and Ergonomics

<https://hwwe-2022.punjabiversity.ac.in/>

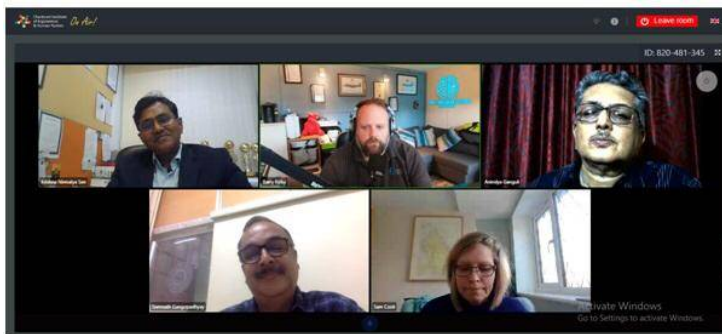
## \* IEA Newsbriefs – September 2022

The IEA NewsBriefs is a monthly publication of the IEA aimed at increasing awareness among the IEA Federated Societies and other stakeholders about the IEA's activities, initiatives and about the federated societies themselves. The newsletter is also posted on IEA social media platforms including Facebook and LinkedIn. One of the regular features in the IEA NewsBriefs is the “Spotlight on IEA Societies”, which is largely aimed at introducing HFE societies to the IEA community. This feature shows the diversity of IEA members and their activities, and is an important avenue to make the globe aware of the far reach of HFE in different countries.

The **Indian Society of Ergonomics (ISE)** is featured in the current issue of the IEA Newsbriefs. [Click here](#) to read the publication.



Continuing the series of joint webinars with the Chartered Institute of Ergonomics and Human Factors (CIEHF), UK, a joint webinar on “Impact of the Pandemic” was held virtually on September 23, 2022. Dr **Anindya Ganguli**, introduced the topic with his presentation on “The Scars of the Pandemic”, and Prof. **Somnath Gangopadhyay** and Dr. **Krishna Nirmalya Sen** spoke on effects of the pandemic on the informal sector, and the construction sector, respectively



✦ **Achievements**

**United States of America (US) Patent Granted**

US Patent titled ‘*Handheld Apparatus for Extracting Contents of Sachet/ Pouch*’ US Patent Number: 11319103, has been granted to Mr. **Gurdeep Singh** and Prof. (Dr.) **Sougata Karmakar** of Ergonomics Laboratory, Department of Design, IIT Guwahati, Assam, India on 3<sup>rd</sup> May, 2022 by the United States Patent and Trademark Office (USPTO). This is a part of Mr. Gurdeep Singh’s doctoral (Ph.D.) research project entitled ‘Ergonomic design improvements in shop-floor of FMCG manufacturing industries in India.’ under the supervision of Prof. (Dr.) Sougata Karmakar.



Gurdeep’s research pertains to ergonomics and human factors interventions in the design and development of devices/ instruments to ensure safety and reduce the drudgery of the shop-floor workers in Fast Moving Consumer Goods (FMCG) industries of India.



The team members were: Mr. Gurdeep Singh, Dr. Sougata Karmakar, Mr. Abhishek Singh, Mr. Amandeep Verma, and Mrs. Sangeeta Bhanja Chaudhuri.

## \* Member Activities

### DHM as an Intelligent Tool for Virtual Product and Workstation Evaluation



Dr. Anirban Chowdhury (NMIMS School of Design) is organizing a parallel session on DHM as an Intelligent Tool for Virtual Product and Workstation Evaluation in HCI International conference 2023.

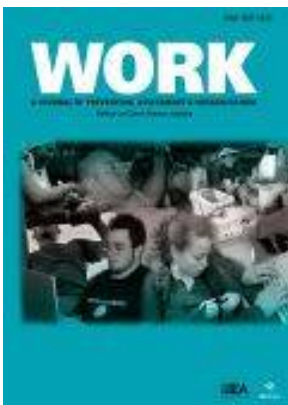
Thematic area: Digital Human Modeling and Applications in Health, Safety, Ergonomics and Risk Management. The HCI International conference will be held during 23-28 July 2023 in virtual mode only.

Deadline for submissions for review (based on full paper) is **31 December 2022**.

Applications of Digital Human Model (DHM) in different contexts will be covered in this section. The areas include - DHM in Product Concept Evaluation, Virtual Workstation Evaluation, Artificial Intelligence and DHM, Creation of Intelligent DHM Creation, Affective Intelligence of DHM, Cognitive Human Modeling, Improvement of Interfaces of DHM Software applying AI, etc. however, submissions are not limited to these aforesaid topics. It is open for any submission allied with this theme.

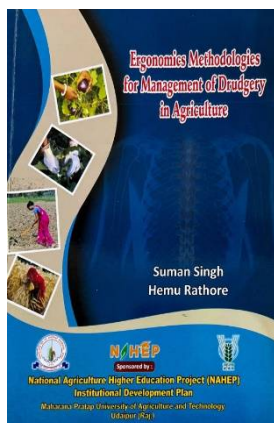
Visit <https://2023.hci.international/> for full details.

## \* Publications



**Banibrata Das** "*Ergonomic and psychosocial risk factors for low back pain among rice farmers in West Bengal, India*". *Work*. 2022; 72 (3): 967-977. DOI number 10.3233/WOR-210433,

Rice farming is considered the most crucial industry in India, where millions of farmers suffer from LBP. This study evaluated the prevalence of low back pain among India's rice farmers and determined the relationship between low back pain and ergonomic risk factors and psychosocial factors encountered by the farmers, and concluded that awkward posture, MMH (lifting and carrying) are the main causative factors of LBP.



A book entitled '*Ergonomics Methodologies for Management of Drudgery in Agriculture*' edited by Dr Suman Singh and Dr Hemu Rathore has been published by the Communication Center, MPUAT, Udaipur. The publication is sponsored by NAHEP-IDP, MPUAT, Udaipur.

## \* Forthcoming Conferences

**HWWE2022** will be held in **Punjabi University, Patiala, 24-26 November 2022**

**Humanizing Work and Work Environment – the Annual Conference of the Indian Society of Ergonomics**

Conference website <https://hwwe-2022.punjabiuniversity.ac.in/>

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## \* PREMUS 2023



**11<sup>th</sup> International Scientific Conference on the Prevention of Work-Related Musculoskeletal Disorders (PREMUS 2023)**

**Bengaluru, India & Online, September 22-24, 2023**

Conference Theme: Prevention of Musculoskeletal Disorders in the New Ways of Working

Sub-themes:

- Impact of the Covid-19 pandemic on Work-related MSDs
- Work-ability and Long Covid symptoms
- Return to work in highly physically demanding jobs
- Guidelines regarding the new ways of working, especially for jobs with a high level of physical proximity (different physical layout and new shift schedules) in the post-pandemic period
- Prevention and management of MSDs in different work scenarios (traditional on-site, remote, hybrid)
- MSDs in socioeconomically vulnerable workers
- Mechanisms and models of MSDs
- Assessment tools for risk factors of MSDs
- An economic evaluation of interventions to prevent or manage MSDs
- Disability Prevention
- Prognosis of MSDs

**PREMUS 2023 is supported by the Indian Society of Ergonomics, and ISE members will receive a preferential rate** (till the early bird deadline of December 31, 2022).

The conference registration and abstract submission start in **October 2022**.

September 20-21, 2023: Pre-conference Workshops.

September 22-24, 2023: **Main Conference**.

September 25-26, 2023: Post-conference Workshops.

Conference Website: [www.premus2023.com](http://www.premus2023.com)

Contact email: [hello@prem2023.com](mailto:hello@prem2023.com)

Dr. **Deepak Sharan**, Chair of the ICOH Scientific Committee on Musculoskeletal Disorders & Organizing Chairperson, PREMUS 2023