



ISE Newsletter

Quarterly newsletter of the INDIAN SOCIETY OF ERGONOMICS (ISE)

Vol. 24

April – June 2020

No. 2

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Forthcoming National events:

- * **HWWE 2020**
Annual Conference of the Indian Society of Ergonomics,
December 10-12, 2020,
Boisar, Mumbai

Forthcoming International events:

- * **International Conference on Human Interaction & Emerging Technologies (IHiet 2020)**
August 27-29, 2020,
Paris, France **DATES EXTENDED**
- * **ACED-SEANES Joint Conference**
December 2-4, 2020
Bohol, Philippines **DATES EXTENDED**
- * **Gone Digital !**
- * **Ergonomics 2020**
December 2-5, 2020
Zagreb, Croatia
- * **21st Triennial Congress of the International Ergonomics Association (IEA 2021)**
June 13-18, 2021
Vancouver, Canada

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 welcomes the following new Life Members:



L-489 Charu M. Maurya, Guwahati

L-490 Tulika Khare, Nagpur



L-491 T Sakthi Nagaraj, Tiruchirapalli

L-492 D. Ratna Kumari, Hyderabad

* Appointments



Prof. Virendra Kumar Tewari, faculty member and former Head of the Dept. of Agricultural and Food Engineering and Rural Development Centre has been appointed as the Director of Indian Institute of Technology Kharagpur effective from December 31, 2019, for a period of five years.

Congratulations!

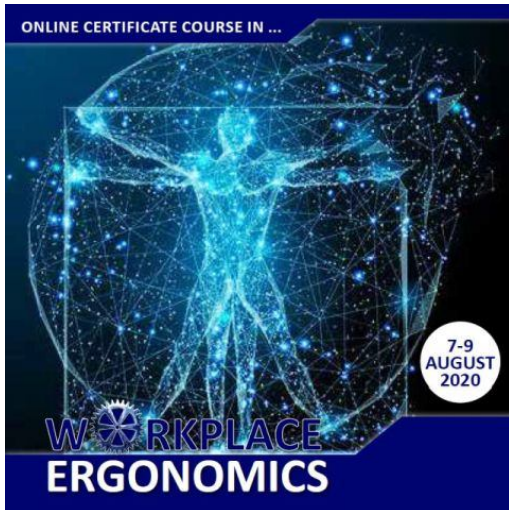


Dr. CR Mehta joined as Director, ICAR-Central Institute of Agricultural Engineering, Bhopal, on February 28, 2020. He has worked in different scientific positions at ICAR-CIAE, Bhopal during last 30 years, including Head, Agricultural Mechanization Division. He has specialization in Farm Machinery and Power, Ergonomics, Conservation Agriculture and Instrumentation.

Congratulations!

* On-line Certificate Course in Workplace Ergonomics

Sri Sri University has announced an on-line certificate course in **Workplace Ergonomics** from **7-9 August, 2020**. **The course is endorsed by ISE**, and has eminent faculty, such as Prof. (Dr.) **Somnath Gangopadhyay**, Professor, University of Calcutta, Prof. (Dr.) **Subhashis Sahu**, Associate Professor, University of Kalyani, Dr. **Krishna Nirmalya Sen**, Head EHS at L&T MMH and President ASSP India Chapter, Dr. **Sougata Karmakar**, Associate Professor, Dept. of Design, Indian Institute of Technology (IIT) Guwahati, Dr. **Ram Maikala**, Program Specialist, Injury Prevention & Ergonomics, Providence Regional Medical Center Caregiver Health and Wellness, USA, Prof. (Dr.) **Shyam Pingle**, Sr. Occupational Health Specialist & Adjunct Professor, Indian Institute of Public Health, Gandhinagar, Er. **Murray Gibson**, Saturn Ergonomics Consulting Mechanical or Industrial Engineering Auburn, Auburn University, Alabama, USA, Dr. **Susmita Halder**, Clinical Psychologist, Associate Professor, Amity University, Kolkata, Dr. **Banibrata Das**, Assistant Professor, South Calcutta Girls College, and Prof. (Dr.) **Tirthankar Ghosh**, Professor, Sri Sri University, Cuttack.



Course details

Course Dates 7-9 August 2020

Last Date to Apply Wednesday, 5 August 2020

To Register, visit <https://srisriuniversity.edu.in/fdp-mdp-sessions/>

Registration Fees INR 1500 / USD 80

Contact Person Dr. Dhiren Kumar Panda, +91 9893813450,
dhiren.p@srisriuniversity.edu.in

Course Coordinator Prof. (Dr.) Tirthankar Ghosh,
Dept. of Ergonomics & Work Physiology, Faculty of Health &
Wellness, Sri Sri University

*** 2nd MOOCS on Ergonomics Workplace Analysis**

Ergonomics Workplace Analysis

By Prof. Urmi Ravindra Salve | IIT Guwahati



SWAYAM, a programme initiated by the Government of India, is offering an on-line course on Ergonomic Workplace Analysis (EWA). EWA is a process where the ergonomic risk factors were evaluated using various validated tools and provide the probable recommendation to minimize the risk factors for development of work-related musculoskeletal disorders and improve the productive workday to reduce the cost for compensation, absenteeism and employee turnover. In the process of ergonomic workplace analysis, an ergonomist needs to evaluate the physical work environment, psychosocial risk factors as well as various generic risk factors which leads to the development of work-related musculoskeletal disorders. This course is based on the complete process evaluation of EWA.

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INTENDED AUDIENCE: Master Degree and PhD

PREREQUISITES: Minimum - Graduation with an understanding of basic Ergonomics

Website: https://swayam.gov.in/nd1_noc20_de12/preview

Course Layout

- Week 1: Overview of Ergonomics and understanding of Ergo-system
Overview of ergonomic workplace analysis
- Week 2: Classification of techniques used in Ergonomics research
- Week 3: Subjective assessment tool and Methods Postural evaluation
- Week 4: Measurement of Work Effort and Fatigue

Summary

Course Status:	Upcoming
Course Type:	Elective
Duration:	4 weeks
Start Date:	20 Jul 2020
End Date:	14 Aug 2020
Exam Date:	27 Sep 2020
Category:	Design Engineering, Product Engineering
Level:	Postgraduate

This is an AICTE approved FDP course

On successful completion of the course, and obtaining a satisfactory final score (Exam+Assignment), Certificate will be awarded.



Course Instructor:

Prof. Urmi Ravindra Salve,
Assistant Professor, Department of Design, IIT Guwahati

* Human Factors and Ergonomics (HFE) Response to Covid-19

International Ergonomics Association (IEA) President Kathleen Mosier has circulated this message to IEA societies and stakeholders around the world: *"In this challenging time for everyone, the field of human factors/ergonomics has much to contribute. IEA societies are responding in different ways to the Covid-19 outbreak. We wish you all health and safety as we confront the challenges that are before us."*

In this context a number of webinars and online symposia have been organized. Some of these are highlighted below.

The Indian Society of Ergonomics (ISE) and University of Calcutta held a virtual symposium on **"Occupational Ergonomics and Safety: from Workplace to Home: Prevention in Covid-19 Pandemic"** on 23rd May, 2020. There were 57 participants.



The National Institute of Technology (NIT), Jalandhar organized a webinar on "**Ergonomics and Psychological Issues in Working from Home during Covid-19 Pandemic**" on 17th May, 2020. Prof. **L K Awasthi** Director and Dr **L P Singh**, Coordinator of the Program welcomed the experts; Dr **Dhurjati Majumdar** from New Delhi and **Puroitree Majumdar** from Bangalore. Dr L P Singh delivered the first Lecture on the workstation design and seating issues in WFH during the lockdown. Dr. Dhurjati Majumdar, Former Additional Director DIPAS (DRDO), New Delhi spoke on Ergonomics to Deal with Physical Stress in a lockdown situation. He stressed upon adopting the neutral posture so that such problems can be avoided. Any forward bending or slouched positions when maintained lead to intra-discal pressure and that ultimately to low back pain. He also emphasized the importance of regular exercise and yoga, including breathing exercises. Dr Puroitree Majumdar, a Clinical psychologist spoke on emotional wellness during Covid-19, especially issues such as insomnia, family/kids' issues, mental disturbance, the importance of maintaining routine schedules, and breaks

The Department of Mechanical Engineering, Sri Sai Group of Institutes, Badhani-Pathankot organized a one1day webinar on "**Ergonomic issues of working from home (WFH) during Covid-19 Pandemic**" on 11th June, 2020

The National Institute of Technology (NIT), Jalandhar organized another webinar on "**Physical & Mental Fitness during Covid-19: Yoga & Exercises**" on 22nd June 2020, featuring Prof. **K K Deepak**, Department of Physiology, All India Institute of Medical Sciences (AIIMS), New Delhi.

International Ergonomics Association K.U. Smith Student Award

The IEA K.U. Smith Student Award honors deserving students responsible for contributions to human factors/ergonomics (HF/E). Awards will be presented during the IEA 2021 Triennial Congress in Vancouver, Canada. The award winners will each receive a cash award of US \$3,000. A travel stipend also may be awarded. Any student enrolled in an accredited post-secondary institution worldwide is eligible. Papers, résumés, and advisor letters must be received by the IEA Student Award Committee by 30 September 2020. Please note that your 900-word abstract must be submitted to the IEA 2021 Congress system by **25 September 2020** to be considered for the conference, independently of whether or not you are selected for the IEA student award. More information about the award process can be found [here](#).

PANDEMIC PURSUANCE

Home Office Ergonomics Mobile App

A mobile app called "**Home Office Ergonomics**" is available as a free download from the **Apple App Store** or **Google Play**. Developed by Dr. **Alan Hedge**, Professor Emeritus at Cornell University and IEA Representative for Environmental Design, the app includes a self-checkup module and then 5 sections of short, informational materials on posture, furniture, technology, environment, and well-being, to help a person set up a healthier home office. Please feel free to share widely.

Hypnotic computer interface (hypCI) using GEORGIE: An approach to design discrete voice user interfaces



Voice User Interfaces have become popular with the advent of Alexa, Google Home, Cortana and other commercial speech recognition interfaces; however, the privacy of the end users is compromised while using these interfaces in public. In addition, users can feel a bit awkward while using these interfaces with loud voice while they are outside their homes. Contextually, 'Hypnosis' and 'Hypnotherapy' have not been frequently applied as a way of human communications although the principle of suggestion induced behavior changes in an interesting approach to interact with machines. In this paper, GEORGIE a prototype AI was used to achieve a novel means of interaction inspired from the principles of hypnotherapy, which is a discrete

interface ensuring that end-users' privacy is not compromised. It is envisaged that people who prefer secret communication and interaction might love to use this hypnotic computer interface (hypCI). The hypCI would be the novel means of human robot interface (HRI) or human computer interface (HCI).

Title: Hypnotic computer interface (hypCI) using GEORGIE: An approach to design discrete voice user interfaces

Authors: Ramadas, Rithvika & Chowdhury, Anirban

Journal: Journal of Intelligent & Fuzzy Systems, vol. 38, no. 5, pp. 6507-6516, 2020

Published: 29 May 2020

DOI: 10.3233/JIFS-179731

URL to access <https://content.iospress.com/articles/journal-of-intelligent-and-fuzzy-systems/ifs179731>

* Forthcoming National Events



2020 **HWWE 2020**

**18th Annual Conference of the Indian Society of Ergonomics,
December 2020, Boisar, Mumbai**

HWWE 2020 and the 18th Annual Conference of the Indian Society of Ergonomics will be held at the THEEM College of Engineering, Boisar, Mumbai in December 2020.

Important Dates

Early Bird Registration:	July 30, 2020	Normal Registration:	September 30, 2020
Abstract Submission:	July 30, 2020	Full Paper Submission:	August 30, 2020
	Conference date:	December 10-12, 2020	

Website: <http://theemcoe.org/hwwe2020/home.html>

Email for Registration and Enquiry: hwwe2020@gmail.com

* Forthcoming International Events



IHIET 2020

**International Conference on Human Interaction & Emerging Technologies
August 27-29, 2020, Paris, France**

IHIET 2020 conference aims to provide a global forum for presenting and discussing novel human-interaction and engineering approaches, tools, methodologies, techniques, and solutions for integrating people, concepts, trends and applications in all areas of human interaction endeavor in industry, economy, government, and education, including but not limited to energy, transportation, urbanization and infrastructure development, digital manufacturing, social development, human health, sustainability, new generation of service systems, as well as safety, risk assessment, healthcare, and cybersecurity in both civilian and military contexts.

The conference proceedings published by Springer and submitted for indexing to ISI Proceedings, EI-Compendex, DBLP, SCOPUS, Google Scholar and Springerlink. Website <http://ihiet.org/>

Important Submission Deadlines: **DATES EXTENDED**

Abstract for Paper presentations & Special interest groups 10 July, 2020

Conference Administrator: admin[at]jihiet.org

Registration Inquires: registration[at]jihiet.org

Submissions and Technical Support: support[at]jihiet.org



**Joint Conference of the Asian Council on Ergonomics and Design
and the Southeast Asian Network of Ergonomics Societies 2020
December 2-4, 2020
Bohol, Philippines**

The Joint Congress of the Asian Council of Ergonomics and Design (ACED) and the Southeast Asian Network of Ergonomics Societies (SEANES) brings together researchers and practitioners from all over the world to talk discuss relevant work in the area of human factors and ergonomics, with the theme "**Convergence: Creating ergonomic breakthroughs thru partnerships**".

A blue banner with a white virus particle image on the left. The text on the right reads: 'COVID-19 ANNOUCEMENT: We are moving digital. With the onset of the COVID-19 pandemic, ACED SEANES 2020 will be held *virtually* as the virus outbreak has pushed us to rethink and provide a safer and better alternative option for your safety. Further details will be announced.'

Accepted and presented full-papers will appear in Advances in Intelligent Systems and Computing by Springer. They will be indexed in Scopus, Web of Science and Compendex. The abstracts of all accepted submissions will appear in the abstract book of the conference which will be available online at the conference website.



Important Dates

Submission deadline: **July 15, 2020** Early Bird Registration: August 30, 2020
Registration deadline: October 1, 2020 Conference date: December 2-4, 2020

Contact: Website: <http://www.acedseanes2020.com/> E-mail: acedseanes2020@gmail.com



8th International Ergonomics Conference - ERGONOMICS 2020

December 2-5, 2020

Zagreb, Croatia.

The Conferences in "Ergonomics" series have been organized by the CrES since 2001 as part of CrES objectives to promote ergonomics and to exchange knowledge and experience with the scientific and professional community from Croatia and the World. The Conferences in the "Ergonomics" series have been founded and created by Prof. Budimir Mijović, who was also the President of the Organizing committees of Conferences until 2013.

The official language of the Conference is English. Authors are invited to submit original and previously unpublished research papers for oral and poster presentations and/or to make proposals of original research presentation, challenges, solutions, and technologies within field of Ergonomics.

The post-conference Proceedings indexed in Scopus with full texts of all accepted and reviewed papers will be published by Springer titled "Proceedings of the 8th International Ergonomics Conference - ERGONOMICS 2020".

It is mandatory for participants to fill in the Registration form before abstract submission using the documents: Registration form and Abstract template available on the conference website.

Important dates (second call):

July 25th, 2020 - Abstract submission

July 30th, 2020 - Notification of abstract acceptance

September 10th, 2020 - Final full paper submission

October 10th, 2020 - Notification of full paper acceptance

Website: <http://www.h-e-d.hr/conferences.htm>



IEA
VANCOUVER
2021

21st Triennial Congress of the International Ergonomics Association (IEA 2021)

June 13-18, 2021

Vancouver, Canada

The 21st Triennial Congress of the International Ergonomics Association (**IEA 2021**) will be held in Vancouver, Canada in June 2021. The Congress theme, “**HFE (Human Factors and Ergonomics) in a connected world/L, ergonomie 4.0**”, speaks to the role of emerging G5 technologies. While the technical program will feature theme-related sessions, the Congress will cover the full breath of traditional and emerging HFE topics and applications.

IEA2021 Updates

The organizers of IEA2021 received more than 90 proposals for special sessions, some proposing multiple sessions. This overwhelming positive response indicates great excitement and engagement by the global HF/E community. **The Call for Papers is now open.** Proposals for lecture and ePoster presentations are invited until 25 September 2020. Instructions for submitting proposals can be found on: <https://iea2021.org/call-for-papers> . Please distribute the call to your networks, and remember to join the LinkedIn Group IEA2021 and Facebook Page IEA2021, and like the posts to help promote the Congress.



Call for Lectures / Interactive ePosters is now active! [Click here to open.](#)

Closes September 25, 2020.

Website: <https://iea2021.org/>

Contact: Info@IEA2021.org