



# ISE Newsletter

Quarterly newsletter of the INDIAN SOCIETY OF ERGONOMICS (ISE)

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- Professional Development Conference of ASSP, India Chapter

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#### HWWE 2021

**Gone Virtual**

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

### Forthcoming International events:

#### \* 21<sup>st</sup> Triennial Congress of the International Ergonomics Association (IEA 2021)

June 13-18, 2021

Vancouver, Canada

**Gone Virtual**

#### \* AHFE 2021 International Conference

July 25-29, 2021

New York, USA

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-500 Srinath Raghavan, Chennai

L-501 Mona Pankaj Ukey, Mumbai

L-502 M. Siresha, Guntur

## \* HWWE 2021



2021

Humanizing Work and Work Environment

The 19<sup>th</sup> International Conference of the INDIAN SOCIETY OF ERGONOMICS

Theme: User Centered Design for Quality Life

**HWWE 2021 conference would be conducted in ONLINE MODE** due to the prevailing pandemic situation of COVID-19. *Considering the online mode, the registration fees have been revised.*

29-30 November 2021 - Pre-Conference Workshop

1-3 December 2021 - Conference



Center for Ergonomics: User centered Design and Occupational Wellbeing

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## \* 3<sup>rd</sup> 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 are 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.

**INTENDED AUDIENCE:** Master Degree and PhD

**PREREQUISITES:** Minimum - Graduation with an understanding of basic Ergonomics

<u>Course Layout</u>	<u>Summary</u>
Week 1: Overview of Ergonomics and understanding of Ergo-system Overview of ergonomic workplace analysis	Course Status: <b>Upcoming</b>
Week 2: Classification of techniques used in Ergonomics research	Course Type: Elective
Week 3: Subjective assessment tool and Methods Postural evaluation	Duration: 10 hours (4 weeks)
Week 4: Measurement of Work Effort and Fatigue	<b>DATES</b>
	<b>Last date for enrollment</b> <b>23 Aug 2021</b>
	Start Date: <b>23 Aug 2021</b>
	End Date: <b>17 Sep 2021</b>
	Exam Date: <b>23 Oct 2021</b>
	Category: Design Engineering, Product Engineering
	Level: Postgraduate
	<b>This is an AICTE approved FDP course</b>

**For full details and enrollment, visit:** [https://onlinecourses.nptel.ac.in/noc21\\_de10/preview](https://onlinecourses.nptel.ac.in/noc21_de10/preview)

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



Course Instructor:

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

**AIOTA Best Paper**

**Bharati Jajoo** won the Best scientific paper award in Ergonomics category in the 58<sup>th</sup> Annual National Conference of AIOTA (All India Occupational Therapists Association) in March 2021. The title of her paper was "Lifestyle Behaviors and their Influence on Work-Related Musculoskeletal Discomfort. A Web-Based Survey During Covid-19 Pandemic". **Congratulations!**



## Workshop sessions on Occupational Health and Safety at Workplace: An Ergonomic Perspective

Dr. **Subhashis Sahu** conducted technical sessions on *Occupational Health and Safety at Workplace: An Ergonomic Perspective* in two workshops conducted by Indo German Focal point (IGFP) with support of BGUV, Germany.

The first was a hybrid workshop on “*Importance of Occupational Safety, Health and Social Security in Industries*” at Brahmani Club Rourkela on 24<sup>th</sup> February 2021 in collaboration with Collectorate Sundargarh. The second workshop was conducted by IGFP, Collectorate Khorda and HSSC Coca-Cola Company on “*Safety Health and Social Security with Focus on Zero Tolerance towards Infections and Accidents at Workplace at Home and Road*” for industries of Khorda industrial Estate at the Coca-Cola plant on 26<sup>th</sup> March 2021. Speakers from national and international forums participated in both the workshops.

## L. P. Gite chosen to be Chairman of Jury, Indian Tractor of The Year (ITOTY) awards 2021

The sale of tractors and farm equipment in India registered a growth of 27% in sales during 2020-21. To encourage this industry, Tractor Junction, India's leading digital marketplace for tractors and farm equipment, having more than 10 lakh followers, organized the prestigious award for the tractor and farm implements industry - the 2nd Indian Tractor of the Year (ITOTY) Award function - on 23<sup>rd</sup> April 2021 in virtual mode. The awards and the programme were sponsored by CEAT Specialty Tyres. The process of choosing the winners included 60% weightage of Jury Members and 40% weightage of public voting. There were 8 jury members having a diverse background of sales, production, marketing, testing, and ergonomics in tractor and farm implements design. Dr. **L. P. Gite**, Ex-Vice president, ISE, was given the honour to act as the Chairman of Jury during this selection process and the award function.



It is worthwhile to mention here that during the selection process ergonomics aspects in tractor and farm machinery design were given due consideration. Eighteen major manufacturers of tractors and farm machinery in the country participated in this programme and nominated their products for 28 awards in different categories, the most prestigious award being the Indian Tractor of the Year 2021. Reflecting its great design and popularity, Sonalika Tiger 55 was adjudged the “Indian Tractor of the Year 2021. On the occasion, Dr. Gite, Chairman of the Jury, delivered his address and congratulated all the award winners. In his speech, he summarized the importance of tractors and farm machinery in Indian agriculture, and thanked Mr. Rajat Gupta, CEO of Tractor Junction portal for organizing the ITOTY awards to encourage the industry players.

### **9<sup>th</sup> American Society of Safety Professionals, India Chapter Professional Development Conference (PDC) organized online April 28-29, 2021**

The 9<sup>th</sup> American Society of Safety Professionals, India Chapter Professional Development Conference (PDC) was organized in collaboration with University of Calcutta and four ICOH Scientific Committees, namely Occupational Health in Construction Industry (SCOHICI), Rural Health (SCRH), Small Scale Enterprises and the Informal Sector (SCOHSSEIS) & Occupational Health and Development (SCOHD). The theme of the conference was **Promoting Sustainability and Social Well-being through Excellence in OSH.**

Dr. **K.N Sen**, ASSP President and Prof. Dr. **Somnath Gangopadhyay**, Professor, Department of Physiology, University of Calcutta jointly organized and moderated the Professional Development Conference.

The inaugural lecture was given by Dr. **R K Elangovan**: Director General, DGFASLI.





More than 200 participants were registered in the conference. There were 3 special sessions and 8 technical sessions. In the session chaired by Dr. Claudina Nogueira, Vice President, ICOH on 29<sup>th</sup> April, theme lectures were delivered by Prof Dr. **Somnath Gangopadhyay** (*Well-Being in COVID Situation*) and Dr. **K.N Sen** (*Promoting Sustainability through ESG*).

Other eminent Speakers, Chairs, Co-chairs of the conference were: Dr Venkatesh **Balasubramanian**, Dr. Rosa Maria Orriols, Dr. Shankar Murthy, Dr, Koustuv Dalal, Dr. Sashikala Chandrasekar, Dr. Claudio Colosio, Dr. Gert van der Laan, Dr. Stefan Mandic Rajcevic, Dr. Diana Gagliardi, Dr. G.V Prabhu, Dr. Krishnnendu Mukhopadhyay, Mr. Indranil Chakraborty, Dr. Shyam Pingle, Dr. **C K Pradhan**, Dr. Jessie Lopez, Dr. **Subhasis Sahu**, and Mr. Mahinda Seneviratne.

Safety Video Awards were conferred during the closing ceremony.

## \* Publications

Dey A, Mishra T, **Sahu S**, Saha A. *Evaluation of impact of ambient air pollution on respiratory health of traffic police in Kolkata*. BLDE Univ J Health Sci 2021;6:35-42. DOI: 10.4103/bjhs.bjhs\_58\_20

Dey A, Mishra T, **Sahu S**, Saha A. *Occupational Heat Exposure of Female Police Personnel: Its Implication of Climate Change and Undermine Issue*. IPJ 2020;67(3):52-57

**Sett M, Pal M, Majumdar D**, Bhattacharyya D, **Sahu S**. *Assessing work related musculoskeletal discomfort among the female brick field workers by kinetic response*, Work, 2021 Accepted

## \* Forthcoming International Events



**IEA**  
VANCOUVER  
2021

**21<sup>st</sup> Triennial Congress of the International Ergonomics Association (IEA 2021)**

**June 13-18, 2021**

**Vancouver, Canada**

The 21<sup>st</sup> 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.

**IEA2021 will be a fully virtual conference.**

The Technical Program is strong and exciting with:

- 206 technical sessions over 5 days
- 705 peer-reviewed papers presented within the general sessions
- 39 individual Symposia
- 14 panels
- 11 workshops
- 93 posters
- 6 ECR special sessions
- 7 Plenary sessions (opening, closing, Executive Panel and 10 keynote speakers)

ISE members receive an IEA member discount.

**Registrations are now open at:** <https://iea2021.org/registration-information>

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

Contact: [Info@IEA2021.org](mailto:Info@IEA2021.org)

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**AHFE 2021 International Conference**

**July 25-29, 2021**

**New York, USA**

The 12<sup>th</sup> International Conference on Applied Human Factors and Ergonomics (AHFE) 2021 and the Affiliated Conferences will be held at the Sheraton Times Square, Manhattan, New York, July 25-29, 2021.

The conference objective is to provide an international forum for the dissemination and exchange of scientific information on theoretical, generic, and applied areas of human factors and ergonomics. This will be accomplished through the following six modes of communication: keynote presentation, parallel sessions, demonstration and poster sessions, tutorials, exhibitions, and meetings of special interest groups. The five-day conference will start with tutorials. Tutorials will be offered at introductory, intermediate, and advanced levels covering the entire spectrum of the conference.

Website: <http://2021.ahfe.org/>