

IEA NewsBriefs: August 2023

Dear IEA Community

As we wrap up the month of August, a mere 4 months away from the end of 2023, the IEA NewsBriefs comes packed with details regarding preparations for the next IEA triennial congress, IEA2024, and several IEA Annual and Triennial awards that are now open for applications. We also bring you details regarding upcoming webinars. In the Spotlight on IEA Societies feature we are pleased to bring you information about the Hong Kong Ergonomics Society (HKES) which is a great example of a society that has maintained its focus and delivery to its local community while also participating in the international HFE stage.

If you have any HFE events, developments, and IEA society activities that you would like to be included in upcoming editions of the IEA NewsBriefs please contact sma.ngcamu@gmail.com.

ANNOUNCEMENTS

IEA2024 CALL FOR PAPERS

From the beginning of September it will be possible to submit abstracts for review for the next IEA triennial conference to be held in Korea from 25-29 August, 2024. IEA2024 will be held jointly with The International Council on Systems Engineering (INCOSE) and HUMAN SYSTEMS INTEGRATION (HSI) Working Group 2024 Conference. We invite researchers, academics, practitioners, and professionals from around the world to start preparing their abstracts for submission. Submissions received before October 31, 2023 will receive a decision by November 30th, 2023. Papers submitted later will receive a decision by 15th March, 2024. Optional full paper submissions will need to be submitted before 15th April, 2024. Check the congress website for further information.

CALL FOR NOMINATIONS FOR IEA AWARDS

Part of the mission of IEA is to recognize and reward outstanding accomplishments of members of IEA Societies in diverse areas of Human Factors/Ergonomics. 2024 will be a banner year for [IEA Awards](#). We expect to present 8 different IEA Triennial Awards as well as the annual IEA Fellow Awards, IEA/Tsinghua Awards, and IEA/Kingfar Awards for students and early career researchers. In 2024 we will make the first presentation of the Thomas Waters Memorial Award, a new award for students.

Award deadlines are very early!! All nominations are due by 15 January 2024. This is to ensure sufficient time for the evaluation of nominations and award decisions so that awardees can make travel and presentation arrangements for the IEA2024 Congress on Jeju Island, South Korea. We hope that all awardees will be able to attend the Congress! Please check this list of awards carefully and nominate colleagues, students, and early career researchers who deserve to be recognized.

ANNUAL AWARDS

- The [IEA Fellow Award](#) is intended to honour distinguished long-serving members of IEA Member Societies.
- The [IEA/Kingfar Award](#) for Research in Human Factors/Ergonomics Issues honours students and early career researchers. It intends to reward high-quality original research and applications on new and emerging HF/E issues or issues specifically related to industrially developing countries. *This award includes monetary prizes of US \$1,000 for student awardees and US \$1,500 for ECR awardees.*
- The [IEA/Tsinghua Award](#) for Collaborative Human Factors/Ergonomics Education honours leaders and facilitators of collaborative, programmatic HF/E education initiatives. *This award includes a monetary prize of US \$4,000 for each selected program.*

TRIENNIAL AWARDS FOR STUDENTS

- ***New Award: The [Thomas R. Waters MSD Memorial Scholarship Award](#) is given for work that significantly advances the science underpinning physical manipulation of people and materials research. The criteria are intentionally broad to enable scientific understanding of how the human system's (both physical and/or cognitive) interaction with physical manipulation tasks could influence the risk to the human musculoskeletal system. *This award includes a monetary prize of US \$3,000.*
- The [IEA K.U. Smith Student Award](#) honors deserving students responsible for contributions to human factors/ergonomics. Any student enrolled in an accredited post-secondary institution worldwide is eligible. Awards will be presented during the IEA 2024 Triennial Congress on Jeju Island, South Korea. *The Award winners each will receive a monetary prize of US \$3,000. A travel stipend may also be awarded.*

IEA TRIENNIAL AWARDS

- [IEA/Elsevier John Wilson Award](#) recognizes major contributions in the field of applied ergonomics. The term 'applied ergonomics' emphasizes scientific contributions to the actual design of work, systems, technologies, and environment that lead to improvements in system performance and well-being. This triennial award will be presented to an individual or team during the IEA Triennial Congress. *This award includes a monetary prize of US \$5,000, which is sponsored by Elsevier <http://www.elsevier.com>.*
- [The IEA Distinguished Service Award](#) is presented triennially to individuals for outstanding contributions to the promotion, development, and advancement of the IEA.
- [IEA Triennial Outstanding Educators Award](#) is presented triennially to persons in recognition of outstanding contributions in human factors/ergonomics education for having:
 - Developed ergonomics education programs.
 - Produced new methodology and/or materials for teaching ergonomics.
 - Graduated persons who have become outstanding ergonomists.

- [IEA Award for Promotion of Ergonomics in Developing Countries](#) is given triennially to an individual(s) who has made significant and outstanding contributions to the development of infrastructure of human factors/ergonomics in an industrially developing country. This may be manifested through the development of teaching/training programs, implementation of HF/E design in industry, development of R&D programs, organization of HF/E professionals, or extensive collaboration with international bodies such as the United Nations.
- [IEA Triennial Ergonomics Development Award](#) is presented triennially to an individual(s) who has had an international impact on human factors/ergonomics in terms of contributing or development that:
 - Significantly advances the state of the art of an existing HF/E sub-specialty.
 - Opens a new area of HF/E research and/or application.
- [IEA Human Factors/Ergonomics Prize](#) is presented to a group, institution, or organization that has made significant contributions to research and development, and/or application of knowledge generally in the field of human factors/ergonomics.
- [The IEA President's Award](#) is presented triennially to persons who have made outstanding contributions to human factors/ergonomics or the furthering of human factors/ergonomics, and whose contribution does not clearly fall into one of the other award categories. Persons qualifying for this award do not necessarily have to be ergonomists. Nominations may come from the IEA Council or the IEA Executive Committee. Final approval of this award rests with the IEA President.

UPCOMING EVENTS

Don't forget to consult the IEA Webpage for upcoming endorsed events (<https://iea.cc/meetings/endorsed-events/>). You will find further details of the following events there along with others.

September offers include the **Summer School on Digital Human Modelling and Simulation** offered by the University of Antwerp, and the **11th International Scientific Conference on the Prevention of Musculoskeletal Disorders (PREMUS)** in Bengaluru, India.

It's not too late to participate in the **XII International Congress of Ergonomics and Human Factors SOCHERGO-UVM / VIII Congress of the Latin American Union of Ergonomics ULAERGO** to be held 20-21 October in Santiago, Chile, immediately following the 2023 IEA Council meeting at the same venue. You could then also make it to the annual **Congress of the Human Factors and Ergonomics Society (USA)** to be held in Washington October 23-27, 2024 concluding with the **Ergo-X Symposium**.

The following IEA Webinars will be offered during September and October. IEA Webinars are free to attend but registration is required. All webinars will be recorded and will be available on YouTube (see links at bottom of NewsBriefs) within two days of presentation.

5 September 2023, 09:00 UTC: The future of work and the challenges for HFE from the South Korean perspective – > Now available on the IEA YouTube site along with all previous webinars.

The events related to the Future of Work webinar series are coming thick and fast with another webinar, this time taking us to South Korea. This webinar was presented by Haezoon Park and Hong-In Cheng from the Ergonomics Society of South Korea.

20 September, 01:30 UTC: A mixed sensor smart chair system for real-time posture classification and chronic low back pain detection

This webinar is offered by the IEA Technical Committee on Musculoskeletal Disorders. The presenter will be Professor Woojin Park from the Life Enhancing Technology Laboratory of the Department of Industrial Engineering, Seoul National University. The aim is to present current approaches for cutting-edge real-time posture classification. Register with this link:

https://us02web.zoom.us/webinar/register/WN_ssgTI_kSTo-9KWkG1UNHAW

28 September, 13:00 EST: The future of work and the challenges for HFE from India

India has emerged as one of the fastest-growing economies globally. There is a lot to learn from India, which has used innovation to drive growth and technological advancements while tackling a variety of social ills that plague the country. It will thus be of value to understand, from the Indian perspective, the HFE challenges and opportunities that will arise in the future world of work. Join Dr Urmi Salve and Prof Somnath Gangopadhyay on the 28th of September to hear more on this topic. Register here to attend this free webinar:

https://us02web.zoom.us/webinar/register/WN_h0DEx7KnRkyBa3DGV2YOFQ

5 October, 13:00 UTC: Researchers and Practitioners in Human Factors in Healthcare

The goal of this webinar series is to showcase excellent projects in Human Factors in Healthcare done by Early Career Researchers and Practitioners (ECR/Ps) across the IEA network. ECR/Ps are PhD students and those who are within 0 to 5 years post-PhD (including career interruptions) or practitioners who have been working in Human Factors in healthcare for less than 5 years. The best presenter of the 2023-2024 webinar series will win the inaugural Richard Cook prize.

Register here: https://us02web.zoom.us/webinar/register/WN_I5VU9KqCTvy-lzmL9kU0hQ

7 October, 06:00 UTC: From Algorithms to Emotions: Explainable Artificial Intelligence's Affective Revolution

Artificial Intelligence (AI) remains a topical issue as society tries to figure out how best to integrate AI in a way that is most compatible with humans. Consequently, various sub-themes and paradigms have been emerging to help resolve some of the areas of concern and knowledge gaps. One of these is Explainable AI (XAI), which aims to bridge the gap between AI's decision-making process and human comprehension through cognitive processing. If you want to learn more about this emerging area of AI, join the IEA

Technical Committee on Affective Design, which will be hosting a webinar that will explore the role of emotions in maximizing the effectiveness of Explainable Artificial Intelligence in cultivating trust. To attend this free webinar, register here: <http://tinyurl.com/IEA-Bernardo-XAI>

31 October 2023, 14:00 UTC: The future of work and the challenges for HFE in Brazil

The next Future of Work webinar will feature Professors Paulo Antonio Barros Oliveira and Daniel Braatz to explore the HFE challenges and opportunities from the Brazilian perspective. The registration link and additional webinar details can be found here: https://us02web.zoom.us/webinar/register/WN_66-MAxd4Q_el4TBYrDluwQ#/registration

SPOTLIGHT ON IEA SOCIETIES

Hong Kong is known both for having the highest number of skyscrapers in the world and for its beautiful, vast countryside, nature parks, and reserves, which make up over 40% of Hong Kong). Hong Kong is also home to our featured IEA society, the Hong Kong Ergonomics Society (HKES), which was formed in 2001. We are pleased to feature HKES which is a great example of a society that has maintained its focus and delivery to its local community while also participating in the international HFE stage.

We wish to extend our appreciation to HKES for participating in the IEA NewsBriefs and wish the newly elected council all the best as they continue their important work of growing HFE in Hong Kong.

We are interested in learning about other IEA Societies that have not yet had an opportunity to be featured in the NewsBriefs. If your society would like to be featured in the Spotlight on IEA societies feature, please email the IEA NewsBriefs editor (sma.ngcamu@gmail.com).

HONG KONG ERGONOMICS SOCIETY (香港人類工效學學會) (HKES)

The Hong Kong Ergonomics Society (HKES) is Hong Kong's principal professional body for advancing the science of ergonomics in Hong Kong. Part of HKES's mandate is to promote HFE application, research, and education for the benefit of its members and the public.

HKES Fact sheet

- **Established:** 2001
- **Website:** <https://www.ergonomics.org.hk/>

While HKES focuses on growing the HFE discipline in Hong Kong, it also participates and contributes to the global HFE scene in a variety of ways. HKES has a global footprint, with its members being distributed across the globe, including Hong Kong, Mainland China, the United Kingdom, Australia, and the United Arab Emirates. The HKES is one of the Federated Societies of the International Ergonomics Association (IEA). It is also a

member of the Asian Council on Ergonomics and Design (ACED) and the Chinese Association of Ergonomics Society (CAES). HKES and its members actively participate in local and international activities. In the past years, HKES participated in the IEA Council meeting, voting for the IEA 2027 congress, HFE Policies Survey, EHF2022, and the joint international conference (ACED 2023, HWWE 2023, and BRICSplus HFE 2023).

Overview of HKES activities

To deliver on its mandate of achieving widespread understanding and implementation of HFE, HKES has developed several platforms aimed at its members and the public including the following:

- The HKES council members play a key role in HFE advocacy initiatives. This includes providing advisory services for different committees in the Hong Kong Occupational Safety & Health Council.
- The Society has also set up awards to recognise the work of HFE practitioners and students in advancing HFE in Hong Kong. This includes the following:
 - Ergonomics Best Practice Award to reward professional ergonomics practitioners and companies.
 - Outstanding Project Award to reward students who conduct an outstanding project in an area related to ergonomics.
- The HKES committees work with members to organize events that promote information sharing, networking and collaboration between members and stakeholders. Some of the events that HKES organises include seminars and talks, hiking, and industry visits.
- The Society has a newsletter and provides souvenirs for the members.
- HKES recently launched its first newsletter which shares updates related to the society's activities, initiatives, and achievements.

HKES Membership

HKES offers a variety of different membership options. This includes Fellow, Member/Associate, Corporate Affiliate, Student Member, and Emeritus Fellow/Member. Membership is open to all who share and support HKES's objectives. More details about membership types and the application process can be found here:

<https://www.ergonomics.org.hk/membership>

IEA LINKS OF INTEREST

Archive of previous IEA 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 (includes all previously recorded IEA webinars): <https://www.youtube.com/channel/UCDnjCjRcYB7rBR2PJFw6k6w>

IEA LinkedIn page: <https://www.linkedin.com/groups/1114517/>

IEA Facebook page: <https://www.facebook.com/InternationalErgonomicsAssociation>