

IEA NewsBriefs: March 2023

Dear IEA Community

In the March edition of the IEA NewsBriefs we have included information about the newly formed IEA technical committee on informal work and several upcoming events. Deadlines for prestigious IEA Awards are approaching! Please remember to nominate society members for IEA Fellow (submission deadline 30 April 2023), IEA/Tsinghua and IEA/Kingfar Awards (deadline 30 June 2023)! The Spotlight on IEA societies feature, takes us to the Southern Hemisphere where we are introduced to the Human Factors and Ergonomics Society of Australia (HFESA), a society with a strong track record and innovative plans for spreading HFE awareness in the community.

We welcome updates and information about developments from the global IEA community. Contact the IEA NewsBriefs editor (sma.ngcamu@gmail.com) if you would like to contribute to future editions of this newsletter.

ANNOUNCEMENTS

2022 IEA/Kingfar Early Career Researcher Awardees.

IEA is pleased to announce selections for the 2022 IEA/Kingfar ECR Award. The awardees are representative of our global membership and include:

- Gabriela Garcia – SOCEERGO (Sociedad Científica Ecuatoriana de Ergonomía)
- Carlos Aceves Gonzalez – SEMAC (Society of Ergonomists of Mexico)
- Michael Greig – ACE (Association of Canadian Ergonomists)
- Lakhwinder Pal Singh - ISE (Indian Society of Ergonomics)
- Tingru Zhang – CES (Chinese Ergonomics Society)

Many congratulations to all on excellent work for Human Factors/Ergonomics!

New IEA technical committee on informal work formed

The IEA is pleased to announce the founding of a new Technical Committee (TC, <https://iea.cc/leadership/technical-committees/>) aimed at sharing experiences and increasing awareness of the informal work sector, which is estimated to include over 2 billion workers worldwide. The safety, health and productivity of workers outside the formal employment sectors have enormous potential for improvement and very little attention has been paid to them. The [Informal Work](#) TC includes people who have done research and interventions on various issues facing these workers on various continents around the world. People with similar experiences are welcome to join with the aim of forming special sessions at congresses, producing scientific papers and networking researchers.

The informal work sector is the part of any economy that is neither taxed nor monitored by any form of government. Although the informal sector makes up a significant portion of the economies in developing countries, it is sometimes stigmatized as troublesome and unmanageable. While informal work is common in poorer countries, the sector has grown

in the developing world over the last decade. Migrant workers, whether legal or illegal, often find employment in such work. Typical types of work include home-based workers such as dependent subcontract workers, independent own account producers, and unpaid workers in family businesses as well as street vendors and gig workers. HFE specialists have had successes in this area and their work experiences can help others facing similar challenges. Organisations interested in supporting this work are also welcome. Find out more about the Informal Work TC here: <https://iea.cc/member/informal-work/>

IEA Fellow Award applications open – Deadline 30 April, 2023

The call for nominations for the 2023 IEA Fellow Awards is currently open. The IEA Fellow Award is given to recognize extraordinary or sustained, superior accomplishments of an individual. To be considered for the IEA Fellow Award, the candidate must have been a Full Member in good standing of a Federated or Affiliated Ergonomics Society for at least the preceding 10 years, and the candidate must have served the ergonomics community at an international level. In addition, the candidate's distinction as a Human Factors/Ergonomics professional must be demonstrated. Please nominate deserving colleagues by 30 April 2023. Download the application from <https://iea.cc/annual-awards/iea-fellowship/>

IEA/Tsinghua and IEA/Kingfar 2023 applications now open – Deadline 30 June, 2023

The **IEA/Kingfar Award** is given annually to early career professionals to promote and reward high-quality original research and applications on new and emerging HFE issues or issues specifically related to industrially developing countries, as well as to promote a career path in HFE. Nominees can be from any country including both IDCs and developed countries. Up to 13 winners can be recognised each year, with 8 awards given to PhD students, and 5 awards to early career scholars/researchers (within 10 years of completing a PhD). The award amount is \$1,000 for each selected student and \$1,500 for each selected early career researcher. See <https://iea.cc/iea-kingfar-award/> for the IEA/Kingfar Awards criteria.

As noted above, the **IEA/Tsinghua Award** for Collaborative Human Factors/Ergonomics Education is given annually to honor persons (e.g. researchers, teachers) who, through international and/or inter-regional collaboration, have made significant and outstanding contributions to the success of postgraduate educational programs that include human factors/ergonomics (HFE) courses or substantial HFE content in the curriculum. The intent of this award is to mobilize educators worldwide for HFE education. Up to 4 programs may be awarded. Each program may be represented by up to two nominees. The award consists of a monetary prize of \$4,000 per selected program. See <https://iea.cc/iea-tsinghua-award> for IEA/Tsinghua Award criteria.

Call for papers: Journal Applied Ergonomics special issue on Digital Technologies Supportive of Resilient Performance in Socio-Technical Systems

The Applied Ergonomics journal has issued a call for papers for a special issue titled Digital Technologies (DTs) Supportive of Resilient Performance in Socio-Technical

Systems: A Human Factors and Ergonomics Perspective. The scope of this special issue includes, but is not limited to, the topics listed below:

- Impact of DTs on the human and economic costs of resilient performance
- Contributions of DTs to safety-II management
- Role of DTs for training and development of resilience skills
- Unmanned vehicles and resilient performance
- Resilience assessment and modelling tools that account for the role of DTs
- New products that enhance the resilient performance of users and systems
- Cyber-resilience and human factors
- Implications of the industry 4.0 and 5.0 movements to resilient performance
- Lean digital and resilient performance
- Artificial intelligence and resilient performance
- Data analytics and resilient performance
- Implications of collaborative robots' to resilient performance
- Contributions of digital information systems to resilient performance
- Roadmaps and methods for designing and operating resilient and smart socio-technical systems
- Accident investigations that highlight the role of DTs in the deterioration of resilience capabilities

If you are interested in responding to this call, please note that the deadline for submissions is 31 Oct 2023. More details about this special issue can be found here:

<https://www.sciencedirect.com/journal/applied-ergonomics/about/call-for-papers#digital-technologies-supportive-of-resilient-performance-in-socio-technical-systems-a-human-factors-and-ergonomics-perspective-applied-ergonomics>

UPCOMING EVENTS

Webinar: HFE perspectives on the future of work from Central Europe: 24 April 2023, 9:30 (UTC)

The fifth webinar in the future of work series will discuss the challenges and opportunities for the future of work in Central Europe, which has a high technology and skill focus. The webinar is open to all who are interested in the topic. Attendance is free but registration is mandatory through this link:

https://us02web.zoom.us/webinar/register/WN_A3vySxXXRWS5vv_TJSY0Hg

HFE EDUCATIONAL PROGRAMS

The Department of Industrial Engineering at the Tsinghua University has changed one of its entry requirements for the PhD program. From 2024, prospective incoming international students will no longer be required to be proficient in Chinese in order to be eligible for the program. More information about this program and other Masters programs can be found here: <https://www.ie.tsinghua.edu.cn/zsxx/qjxm.htm>.

SPOTLIGHT ON IEA SOCIETIES

Did you know that Australia is the smallest continent in the world and the only continent covered by a single country? Besides being known for its iconic landmarks, unique wildlife and an interesting history, Australia is also home to the Human Factors and Ergonomics Society of Australia (HFESA), which we are featuring in this edition of the IEA NewsBriefs. Read further to find out more about the work that HFESA does to support the development of HFE in Australia and how they are using podcasts as a means of raising awareness about the discipline across communities. We would like to extend our sincere appreciation to HFESA for contributing to the IEA NewsBriefs.

We look forward to hearing from other IEA societies that have not yet been featured. If your HFE society would like to part of future editions of the IEA NewsBriefs please email the IEA NewsBriefs editor (sma.ngcamu@gmail.com).

HUMAN FACTORS AND ERGONOMICS SOCIETY OF AUSTRALIA (HFESA)

The HFESA was founded by members from Australia and New Zealand. The society became a federated member of the IEA in 1970 and has grown to over 470 active members, of which 76 are certified ergonomics professionals. The HFESA Professional Affairs Board, assesses and certifies HFE professionals in Australia in accordance with the IEA competencies.

HFE is practised across every industry in Australia, and has been built into Standards and Work, Health and Safety Codes of Practice. HFE requirements are also incorporated into the Australian Greenstar building requirements. Since HFE forms part of many Australian Standards, and forms part of a risk assessed system of work, there is an expectation for industry to consider HFE within work design and within the risk management framework. As such, there is currently no other specific HFE legislation in place.

Some of the biggest challenges that the HFESA has identified have been the covid pandemic and the lack of understanding of what HFE is from a community perspective. In order to address these challenges, HFESA uses its podcasts to reach a wider audience to promote HFE in the public space.

HFESA Fact sheet

- **Established:** 1964
- **Approximate number of members:** 471 active members
- **Approximate number of certified HFE professionals:** 76 certified ergonomics professionals (CPE)
- **Website:** www.ergonomics.org.au
- **Facebook:** <https://www.facebook.com/hfesaus/>
- **LinkedIn:** <https://www.linkedin.com/company/hfesaus/>
- **Twitter:** <https://twitter.com/hfesaus>
- **HFEhub:** www.hfehub.au

- **Contact email:** secretariat@ergonomics.org.au
- **Contact phone number:** +61 451 306 565

Overview of HFESA activities

In line with its mandate to promoting the application of sound HFE principles in the workplace, promoting the role of HFE professionals and providing relevant opportunities for professional development, HFESA hosts regular professional development sessions, a podcasts about HFE (which can be found here www.hfehub.au) and a variety of events the details of which can be found here: <https://www.ergonomics.org.au/events/> .

The annual HFESA conference will be held from 19-22 November 2023 in Adelaide, South Australia under the theme “ Value and Vitality – Realising the Impact of Human Factors & Ergonomics”. Academics and practitioners are welcome to attend and submit papers on a range of topics including the following:

- Cost- benefit impact
- Social impact
- Quality and safety impact
- Participatory practice
- Sociotechnical systems
- Methods and measures
- Design – systems, spaces, interfaces
- Culture
- Technology
- Physical ergonomics

For more details on the conference, please visit the HFESA website: <https://www.ergonomics.org.au/events/hfesa-2023-conference/> -

HFESA Membership

People that are interested in becoming members of HFESA can do so by selecting one of three different membership types as follows:

- Full time students from any background can join as a student member
- Anyone can join as an affiliate member if they have an interest in HFE.
- Individuals with HFE experience and HFE qualifications can join as a full member
- Individuals with HFE tertiary qualifications and four years HFE related experience can become certified through our Professional Affairs Board as a CPE (Certified Professional Ergonomist)

To find out more about HFESA membership please visit their website here: <https://www.ergonomics.org.au/membership/membership-types/>

IEA 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 (includes 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>