



IEA
International Ergonomics &
Human Factors Association

IEA NewsBriefs January 2024

The members of the IEA Executive wish all our NewsBriefs subscribers a happy, healthy and prosperous New Year. Isn't it interesting that these common New Year wishes echo the aims of our profession: To design health-enhancing and performant work systems. Your efforts contribute to the success of the year for everyone. We look forward to hearing what you are doing at the upcoming IEA triennial congress IEA2024.

In this edition of the IEA NewsBriefs you will hear of the exciting changes that have been made to the IEA corporate identity and how HFE principles were incorporated into the design. If you are still working on your nominations or are still considering nominating someone for the IEA Awards, you will be happy to note that the deadline has been extended to 30 January 2024! Read the award criteria and nomination requirements below and visit the IEA website to get more details about each award. As usual, the IEA NewsBriefs also provides details of upcoming HFE events and the Spotlight on IEA Societies feature where we learn more about the Société d'ergonomie de langue française (SELF). We hope you enjoy this edition and that you will continue sharing HFE updates for inclusion in future editions (forward your contributions to sma.ngcamu@gmail.com).

ANNOUNCEMENTS

New Look

The IEA is starting the year with a change in our corporate identity. The modernised logo, colour scheme, and fonts will be phased in over the coming months. Elements have already been incorporated into the IEA website (<https://iea.cc/>) and all future publications will follow the same format. The project was led by Prof. Karen Lange Morales, a co-chair from the Science, Technology, and Practice Standing Committee and emphasis was placed on the ergonomics/human factors aspects of the design so that it is attractive, adaptable, and easy to read. The colours were chosen to be seen by those who have the most common form of colourblindness.

DEADLINE EXTENDED - NOMINATIONS FOR IEA AWARDS

AWARD DEADLINES ARE VERY EARLY!! ALL NOMINATIONS ARE DUE BY 30 JANUARY, 2024.

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.

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 the human system's (both physical and/or cognitive) interaction with physical manipulation tasks that 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.*

TRIENNIAL AWARDS

- ~ [IEA/Elsevier John Wilson Award](#) recognizes major contributions in the field of applied ergonomics - scientific contributions to the actual design of work, systems, technologies, and environment that lead to improvements in system performance and well-being. Nominations must come from IEA Member Societies (see iea.cc). Nominations are due Jan. 15, 2024.

The award will be presented to an individual or team during the 2024 IEA Triennial Congress on Jeju Island, South Korea, August 25-29, 2024. *This award includes a monetary prize of US \$5,000, which is sponsored by Elsevier.* <http://www.elsevier.com>.

More information can be found at https://m4v211.p3cdn1.secureserver.net/wp-content/uploads/2014/10/IEA_Elsevier-John-Wilson-Award.pdf

- ~ [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 the area of 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 making a contribution or development that:
 - Significantly advances the state of the art of an existing HF/E sub-specialty
 - Opens up 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 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

Webinar: Emerging Researchers and Practitioners in Human Factors in Healthcare: 9 February 2024, 10h30 USA-Central Time

After a successful start in 2023, the webinar series for emerging researchers and practitioners in human factors in healthcare will resume on the 9th of February 2024 at 10:30 USA-Central time). 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.

| PRESENTATIONS | PRESENTER DETAILS |
|--|--|
| OTC Senior Station: Co-Design and Usability Testing of a Technological Intervention to Promote Older Adult Medication Safety | Jordan Hill Indiana University, Bloomington, IN, USA |
| Reducing Outpatient Falls: Human Factors informed Fall Risk Assessment Tool Development | Allison Drees Johns Hopkins Medicine, Baltimore MD USA |
| Cognitive Task Analysis for Improving Training in Infection Prevention and Control | Bradley Weaver and Joel Mumma Emory University, Atlanta, GA, USA |
| Designing atypical working hours: a participatory, multi-stakeholder approach in a hospital environment | Marlène Cheyrouze Université TELUQ, Montréal, CANADA |
| Quantifying the Impact of Healthcare System Design on Nurse Workload and Quality of Care using Process Simulation and Digital Human Modeling - Better Work Better Care | Sadeem Qureshi Human Factors Engineering Lab, Toronto Metropolitan University (formerly, Ryerson University), Toronto, CANADA |

Click on https://us02web.zoom.us/webinar/register/WN_w897AcTsTlaGJfN35h8kYA to register to attend. Registration is free to all interested people. The webinar will be recorded and published on YouTube. Registration permits live interaction with the presenters via Q&A.

International Conference on Human Interaction and Emerging Technologies: Future Applications (IHiet-AI 2024): April 25-27, 2024, Lausanne, Switzerland

The 11th International Conference on Human Interaction & Emerging Technologies: Artificial Intelligence and Future Applications will be held at the Centre Hospitalier Universitaire Vaudois (CHUV), Lausanne, Switzerland from 25-27 April 2024. This interdisciplinary conference will focus on advancing the theory and applications for human-interaction requirements as part of an overall system and product solution across various applications including, but not limited to, the following:

- Human-centered Design, Artificial Intelligence,
- Computing and Intelligent Design, Augmented,
- Virtual and Mixed Reality Simulation,
- Wearable Technologies, Social and Affective Computing,
- Human-computer Interaction,
- Human-Technology and the Future of Work,
- Emerging Technologies and Business Applications,
- Applications in Medicine and Healthcare,
- Management, Training and Business Applications

More information about the conference can be found here: <https://www.ihiet-ai.org/index.html>

SPOTLIGHT ON IEA SOCIETIES

While most HFE societies that we have featured in the past are formulated around the country or regional boundaries, the IEA society that we are pleased to bring you in this edition was formulated based on a common language spoken by its members, namely the Société d'ergonomie de langue française (SELF), also known as the French Speaking Ergonomics Society. By not confining itself to one nation or region, SELF has managed to expand its footprint and influence to serve the HFE community and the public over 6 decades. In this feature, you will learn more about how SELF's offering is tuned in to its members' needs, and how it has managed to build and sustain a wide network of HFE professionals who are actively contributing to the widespread understanding and implementation of HFE.

We would like to extend our gratitude to SELF for contributing to the IEA NewsBriefs and for their commitment to advancing HFE through the support it provides to its members. 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).

SOCIÉTÉ D'ERGONOMIE DE LANGUE FRANÇAISE (SELF)

Société d'ergonomie de langue française (SELF), is an international association whose members share a common language, French. SELF members come not only from France, but also from other European countries, South America, Quebec, and North Africa. Another distinctive feature is its activity-centred approach. At an international level, members of SELF are especially active in IEA technical committees including "Activity Theories for Work Analysis and Design", "Gender, and Work", "Organizational Design and Management", and "Ergonomic Work Analysis and Training"..

SELF was the driving force behind the creation of ORME, a network of 8 associations representing the ergonomics professions in France. These associations gather ergonomists working in several fields: in-house ergonomists employed by administrations and companies, occupational health and safety services, researchers and teachers, ergonomics consultants, ergonomists active in the field of disability, PhD students, etc. ARTEE, the French national assessment board for European Ergonomists, is also a member of the ORME network and the Centre for Registration of European Ergonomists (CREE).

SELF Fact Sheet

- **Established:** 1963
- **Approximate number of members:** 450
- **Website:** <https://ergonomie-self.org/international/about-self-french-speaking-ergonomics-society/>
- **LinkedIn:** <https://www.linkedin.com/company/soci%C3%A9t%C3%A9-d-ergonomie-de-langue-fran%C3%A7aise/>
- **Facebook:** <https://www.facebook.com/SELFergonomie/>
- **X:** https://twitter.com/i/flow/login?redirect_after_login=%2Fselfergonomie

Some of the challenges that SELF has identified, and is working at actively addressing, is the need to continue to popularise HFE, to work increasingly with designers, and to maintain and develop educational degrees in ergonomics. A further challenge that SELF is giving due consideration to is the

future role of HFE from a sustainability perspective where planetary boundaries are being exceeded. Some of the solutions that SELF has implemented to address these challenges include building a supporting society for the around 9400 ergonomists employed in France, several hundred in Quebec, and around 100 each in Belgium and Switzerland. This network of HFE professionals is located across French-speaking nations where HFE is practiced in various industries, such as the nuclear, steel, and chemical industries, automotive manufacturing, hydropower, agriculture, army, aviation, government agencies at various levels, health care, service industries, consulting firms, occupational health and safety services and public institutions, vocational training, and academia.

SELF also encourages HFE professionals to be certified. While SELF itself does not certify ergonomists, its members from French-speaking European countries participate in the European and Canadian certification bodies through their respective national assessment boards. In addition, SELF, in collaboration with the ORME network, has contributed to the creation of a "Certified Junior Ergonomist" label.

Overview of SELF activities

In line with its mandate and main roles, SELF provides a variety of activities aimed at promoting and supporting HFE research, practice, and teaching. This includes, but is not limited to the following:

- Offering an "Initiative Grant" to encourage any project to enhance and promote HFE. Projects selected by a jury receive a financial contribution and publicity in the association's various communication media. In 2023, SELF also proposed a video competition for students at the end of their final year of Masters ergonomics studies. The competition aimed to develop and promote the communication of HFE practice to the general public.
- Almost every year since its creation, SELF has organised or supported a three-day conference for scientists, practitioners, and students. The proceedings are available online free of charge. An online conference papers database provides a practical research tool. Papers presented at SELF conferences are indexed in Ergonomics Abstracts.
- Supporting several international HFE and interdisciplinary journals including *Activités*, *Le Travail Humain* (bilingual French/English), *PISTES*, and *Laboreal* (bilingual Spanish/Portuguese).
- Organising online workshops for its members, once or twice a year, on topical issues such as pension reform, teleworking, protection of the ergonomist title, and the role of ergonomists in society. SELF also occasionally publishes statements on labour policy issues, mainly in France. In 2023, for the first time, SELF also published a filmed interview with two ergonomics researchers, to contribute to the societal debate on pension reform in France.
- Regularly communicating with SELF members via several channels including the "self@ctu" newsletter, website, mailing lists, and social networks.
- Providing financial support for three specialised committees as follows:
 - The "History of Ergonomics" committee collects the memory of the creation and development of the SELF through the personal stories of its members and other people who have contributed to the field of work. The committee has published dozens of interviews. Their analysis has been the subject of several conference papers and books. A series of videos on the history of ergonomics is also available online.
 - The "Occupational Risks and Staff Representation" committee organises seminars and symposia every year, for example on the challenges of telecommuting (2023), social dialogue (2022), and multidisciplinary (2021).

- The "Young Reflecting Practitioners Committee" sets up discussion forums, created by young practitioners for young practitioners. These meetings have four objectives: 1) to provide a forum for exchange and discussion, 2) to encourage debate between practitioners, 3) to help build new practices, and 4) to enable participants to develop their networks. They are held on average three times a year and bring together small groups of participants.

To keep its members and the public abreast of upcoming SELF events and activities, SELF publishes information via its online agenda which can be accessed here: <https://ergonomie-self.org/vie-de-lergonomie/agenda/>

SELF Membership

SELF membership is open to individuals who are interested in contributing to the dissemination of teaching and the structuring of the profession, getting organised, and continuing to learn and develop in the different HFE practices. More about the different membership categories and the membership application process can be found here: <https://ergonomie-self.org/adhesions/adhesion-a-la-self/>

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 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>