



IEA
International Ergonomics &
Human Factors Association

IEA NewsBriefs February 2025

The IEA global community is hard at work organising many exciting events, including conferences and webinars, in 2025. Keep up to date with the latest events and news to ensure that your 2025 is filled with all things HFE. In this edition, the 'Announcements' section information regarding the Foundation for Professional Ergonomics grants, the inaugural virtual IEA Council Gathering, the Gender and Work Special issue, IEA2024 proceedings publication and IEA2027. The "Upcoming Events" section includes information on several exciting HFE events taking place in 2025. In the *Spotlight on IEA Technical Committees* feature, we showcase the *Digital Human Modelling and Simulation* Technical Committee and the valuable work that they are doing to enhance product and workplace design through using digital human models. As always, we appreciate the ongoing support and commitment of the global IEA community to share updates that will be of interest to our community. Please continue to share news and updates with us newsbriefs@iea.cc.

ANNOUNCEMENTS

FPE 2025-2026 Impact Grants

The Foundation for Professional Ergonomics (FPE) is pleased to announce the availability of the FPE Impact Grants that aim to support small projects in the quest to develop professional ergonomics around the world. The funding preference will be given, but not limited to, applicants from developing countries (as defined by the United Nations) or proposals that help develop or grow professional ergonomics in developing countries. The FPE Impact Grants are intended as seed funding for small (pilot) projects that could potentially lead to more extensive funding opportunities from other sources in the future. The expected budget of a single proposal should be between \$500 and \$2,000 USD.

The deadline for submission is April 30, 2025, with the awards decision announced by August 15, 2025.

The general format for proposals is given here

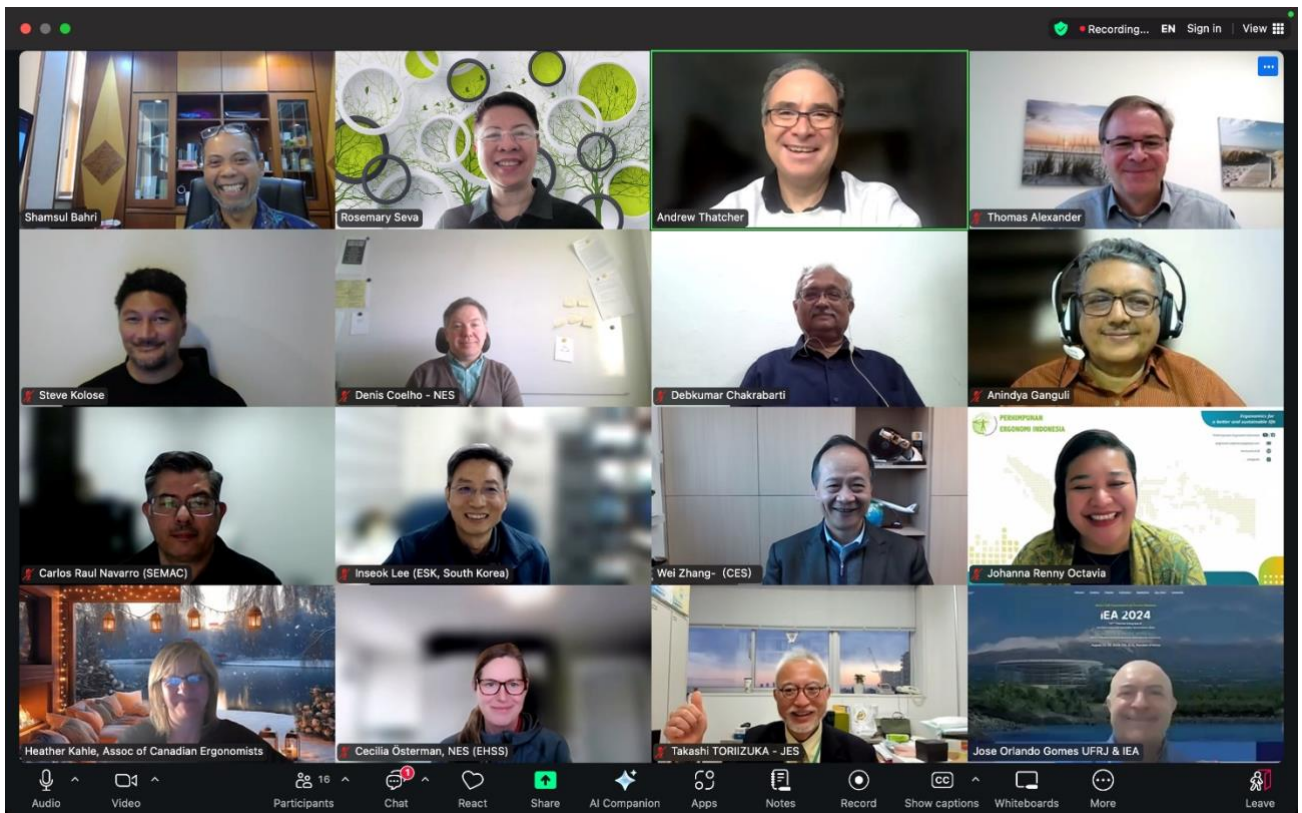
https://www.ergofoundation.org/images/FPE_Impact_Grant_template_application-2025-2026.pdf

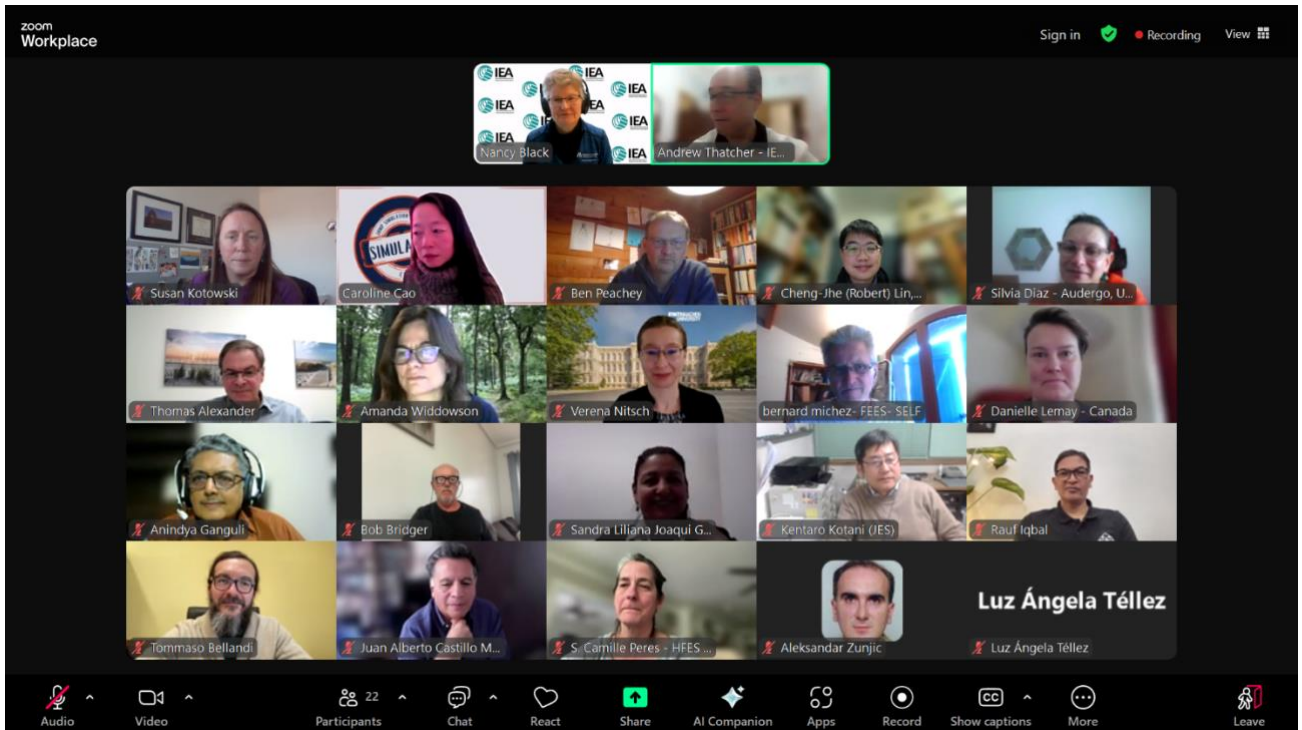
Proposals should be sent to: Waldemar Karwowski, wkarwowski@gmail.com with a copy to Harvey Cohen, harvey@erroranalysis.com

20th of February Inaugural Virtual Council Gathering

On the 20th of February, at two different times (7am UTC and 4pm UTC) IEA Council members, Network representatives and Sustaining members were invited to gather on Zoom to share best practices and ideas and inspire further improvements.

For this inaugural "virtual IEA Council Gathering" we proposed three topics for discussion in break-out rooms and attendees were allocated one of these following their preferences. The topics were: 1) Successful activities of your Society / Association / Network; 2) How to encourage membership growth, particularly amongst those in early career; 3) How to ensure quality of HFE activities in your country / region and limit encroachment from other professions. During the 90-minute sessions, Andrew Thatcher, president of IEA, welcomed attendees, and facilitated break-out group reporting. There was time also for additional questions and updates (including the 2025 Council meetings planned for late October in Beijing, China). Although some were unable to attend, there were over 40 attendees across the two sessions from countries around the globe and southern and northern hemispheres. The images below show the turnout for the virtual council meeting. IEA council members will receive summaries of the plenary discussions of both Virtual Council gatherings on February 20th.





Screen shot of attendees of the Inaugural Virtual council gatherings of February 20th, upper image from 0700 UTC, lower image from 1600 UTC.

Gender and Work TC special issue: call for contributions

The Gender and Work TC are planning to publish a special issue in the International Journal of Industrial Ergonomics following the IEA Congress. The Gender and Work TC welcomes manuscripts on the theme ‘ergonomics, gender and social sustainability. Authors who did not present their study in the Gender and Work track at the last conference are also welcome to submit. Submission formats include original research articles, literature reviews and case studies. Some important dates for this special issue are included below. Please note that the deadline for submissions has been extended to the 30th of April.

Important Dates	
Submission	30 April 2025
Review process	January to August 2025
Acceptance	April to October 2025
Final Manuscript	November 2025
Publication	Winter 2026

For more information please follow the link: <https://docs.google.com/document/d/1Zkr9zO-cRd5p0ltM3q07fkoo9aSoeZ2n/edit?usp=sharing&oid=117560404994050634030&rtpof=true&sd=true>

Update on IEA 2024 proceedings publications (from IEA 2024 Publication Chair, Yong-Ku Kong)

As January, the final revised versions of approximately 460 papers were compiled and submitted to Springer for publication. To come are the documentation, editorial work, and proofreading for publication. As of February 25, 2025, an expected publication date is not yet available.

Authors of communications retained for potential publication in Special Issues relating to IEA2024 have been contacted.

IEA 2027

We hope you had an incredible time at IEA2024 in Jeju! Your participation and enthusiasm truly made it a memorable experience for everyone involved. Planning has started for the next IEA conference – IEA 2027, in London. We would love for you to join us again!

Be the first to hear news about the event by joining our “mailing list” <https://ergonomics.org.uk/iea-2027-interest-list.html>. The dates for IEA2027 will be confirmed by mid-2025 and we expect to release ticket details and the best hotel deals by mid-2026. Sign up to ensure you get access to the best early bird prices and discounts.

Here’s why you won’t want to miss it:

1. Engaging speakers: Here from leaders and innovators who will share their insights and experiences.
2. Networking opportunities: Connect with like-minded professionals and researchers, expand your network and explore new collaborations.
3. Interactive sessions: Participate in hands-on workshops and interactive sessions designed to provide practical knowledge and skills.
4. Exciting venue: Enjoy the event in a vibrant and expiring location that enhances your overall experience.

We look forward to seeing you there!

IEA Fellow Award applications open – Deadline 30 April 2025

The call for nominations for the 2025 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 2025. Download the application for here: <https://iea.cc/awards/fellowship-of-the-iea/>

Event reminders

There is currently one webinar scheduled for March. Past recorded webinars can be found here: (<https://www.youtube.com/channel/UCDnjCjRcYB7rBR2PJFw6k6w>).

Applied Ergonomics on digital technologies and resilience: Webinar series on Resilience Engineering. 17 March 2025, 15h00 UTC.

Registration link: https://us02web.zoom.us/webinar/register/WN_LfdYCryHSUWi7cwOZxcpMQ

UPCOMING EVENTS

Webinar Series on Resilience Engineering, 17 March 2025, 15h00 UTC

This webinar series will showcase cutting-edge research by the IEA Resilience Engineering Committee, highlighting applications in areas such as AI transformation of industrial work, cognitive ergonomics in collaborative robotics, dynamic change in coordination patterns, and advanced brain-computer interface risk management.

The presentations that are included in this webinar series are as follows:

1. Using a digital data analytic tool to capture dynamic change in coordination patterns: An exploratory study of the Apollo 13 mission, Lida Z. David, Ph.D.
2. AI and the transformation of industrial work: Hybrid intelligence vs double-black box effect, Mikael Wahlström, Ph.D.
3. Updating design guidelines for cognitive ergonomics in human-centred collaborative robotics applications: An expert survey, Luca Gualtieri, Ph.D.
4. Prospectively identifying risks and controls for advanced brain-computer interfaces: A Networked Hazard Analysis and Risk Management System (Net-HARMS) approach, Dr Brandon King.

Registration link: https://us02web.zoom.us/webinar/register/WN_LfdYCryHSUWi7cwOZxcpMQ

Ergonomics and Human Factors 2025: Enhancing Human Performance: 28-30 April 2025

The Chartered Institute of Ergonomics and Human Factors is organising a flagship conference for Ergonomics and Human Factors. Submissions for this event are now open! This event will take place at the prestigious St George's Park, the home of England football, for a jam-packed event focused on 'Enhancing Human Performance' across sectors like healthcare, nuclear, rail, construction, sport and many more. Whether you're passionate about innovation, improving safety, unlocking human potential or all three, this is your chance to learn, connect and collaborate. Book now for a transformative experience!

Find out more at: <https://lnkd.in/ee-yDfgJ>

More information about submissions can be found here: <https://ergonomics.org.uk/events-calendar/ergonomics-human-factors-2025.html>

Healthcare Systems Ergonomics and Patient Safety 2025 (HEPS): 18 – 20 June 2025, Dublin, Ireland.

HEPS, the triennial conference on Healthcare Systems Ergonomics and Patient Safety, provides an international platform for the exchange and dissemination of knowledge and experiences between the discipline of Human Factors/Ergonomics and of Medicine and Health. HEPS conferences are endorsed by the International Ergonomics Association and governed by its Healthcare Ergonomics Technical Committee. The HEPS 2025 conference "Safer Better Healthcare By All For All", will take place in Trinity College Dublin, Ireland and will bring together Patient and Public Involvement, Human

Factors and Ergonomics expertise and healthcare practitioners to address healthcare safety. Abstract submission closes on the 31st of January 2025.

More information on the HEPS conference and abstract submission can be found here: <https://www.heps2025.com>

9th international Digital Human Modelling Symposium DHM 2025: 29-31 July 2025, Loughborough, United Kingdom.

DHM2025 continues a successful history of symposia focused on digital approaches to modelling, understanding and exploiting human simulations for a wide variety of applications and industries. The symposium provides a friendly and accessible forum for researchers and practitioners to share their experiences, latest research, applications, case studies, and advancements in the field, as well as opportunities to form new networks and celebrate existing ones.

The Digital Human Modelling Symposium 2024 is organised and hosted by the School of Design and Creative Arts (SDCA) at Loughborough University in the UK, in association with the Technical Committee of Digital Human Modelling and Simulation of the International Ergonomics Association. For more information, please visit the conference website: <https://www.lboro.ac.uk/schools/design-creative-arts/dhm2025/>

Symposium of the Resilience Engineering Association an Annual Resilient Health Care Society: 20-24 October 2025, Canela, Brazil.

This conference aims at advancing the knowledge of Resilience Engineering in complex sociotechnical systems such as healthcare, oil and gas, software engineering, and others. The theme will be Collaboration Across Boundaries for Adaptation in the Era of Climate Change. The conference will be held in the city of Canela, Brazil, from the 20th to the 24th of October 2025. Canela is a cozy town in the Guacho Highlands in the southernmost Brazilian state of Rio Grande do Sul and is a traditional venue to large and small conferences. Important dates for the conferences are included below.

Important Dates	
Submissions open	15 January, 2025
Early bird registration opens	February, 2025
Submissions close	31 March, 2025
Outcome notifications to authors	15 May, 2025
Early bird registration closes	15 June, 2025

For more information, please visit the conference website: <https://www.ufrgs.br/resilience/>

XXV Brazilian Congress of Ergonomics and Human Factors, IX International Congress of Ergonomics and Human Factors & BRICS Plus Ergonomics and Human Factors Network Meeting: 4-7 November 2025, Ceara, Brazil.

The Brazilian Association of Ergonomics and Human Factors (ABERGO) and the Latin American Union of Ergonomics (ULAERGO) are organizing a Human Factors and Ergonomics congress in November 2025 with the theme 'Artificial Intelligence and Technological Innovations: challenges for ergonomics and human factors'. This event will take place from the 4th to the 7th of November at the Events Center/Business Factory in Iracema, Fortaleza in Ceara, Brazil, hosted by the Federal University of Ceara, Brazil. More information coming soon.

SPOTLIGHT ON IEA TECHNICAL COMMITTEES (TC)

After featuring the Affective Design TC in our previous issue, in this edition we turn our focus to the **Digital Human Modelling and Simulation Technical Committee**. Within human simulation, digital human models have become common tools in virtual prototyping and human-centred product design. Digital human models simulate interactions with products and environments. Digital human models allow for the modelling of anthropometry, posture, forces, motion, muscular effort, or predicted discomfort to allow for improved product design. Digital human models promote human-in-the-loop ergonomic evaluation of products during the early stages of product design. Future digital human models will provide realistic 3D design, musculoskeletal and soft tissue modelling down to micro-scale molecular processes within single muscle fibres.

Importance of the Digital Human Modelling and Simulation TC

The important aspects of current digital human modelling research are functional analysis, model integration and task simulation. Digital humanoids allow for efficient and streamlined support of provide testing and verification, allowing for task-dependent performance and motion simulation. Beyond rigid body mechanics, soft tissue modelling will become a standard in future digital human models. Within HFE, digital human models promote the human-centred design of products and environments to reduce health and safety concerns while optimizing performance.

The objectives of the *Digital Human Modelling and Simulation* Technical Committee are as follows:

- To increase and foster the awareness of ergonomics in the development of digital human modelling technology
- To identify and share research needs in the field of digital human modelling
- To share data, algorithms, tools, and methods in the digital human modelling community
- To inform ergonomists and the general public about digital human modelling technologies, and to promote the relevance of ergonomics to stakeholders in domains relevant to digital human modelling and simulation, such as product design, interaction design, human-machine-interface (HMI) engineering, marketing, and management
- To organize an annual digital human modelling symposium as a marketplace for basic and applied digital human modelling research, and to promote commercial digital human modelling solutions and related technologies
- To support the IEA Triennial Congress through delivery of digital human modelling thematic track of research presentations

If you wish to join the *Digital Human Modelling* Technical Committee, [Please Click On This Link](#) .

TECHNICAL COMMITTEES (TCs):

The IEA's Technical Committees (TCs) are ad-hoc special interest groups that are formed as a platform to exchange up-to-date information on and discuss a particular HFE field. More information is available at: <https://iea.cc/leadership/technical-committees/>

TC Creation

Reminder: If you, with at least 5 colleagues, share a passion for a particular special interest area which does not exist as a *Technical Committee (TC)* and you wish to create a *new TC*, please contact stpchair@iea.cc for formalizing this. The process is easy and free!

TECHNICAL COMMITTEES (TCs) SIGN UP SHEET

The IEA Technical Committees (TCs) are seeking to expand their membership and invite new members from federated societies. To facilitate this, we have created a sign-up form that provides an overview of the role of Technical Committees, including their four primary functions. By completing the form, you can express your interest in joining up to two TCs. Once submitted, TC administrators will review your submission and reach out for further details.

Sign-up form for Technical Committees: <https://forms.gle/mMpZ9V9PhBGHPBHQ6>

Joining a TC is free and there are no qualifying criteria (just that you are a member of a federated society) to join and to participate. You can also join more than one TC if your interests are broader. A list of the TCs can be found on the IEA's website: <https://iea.cc/leadership/technical-committees/>. You are always welcome to reach out to TC chairs in addition.

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/>

<https://www.linkedin.com/company/iea-international-ergonomics-association/>

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