



IEA
International Ergonomics &
Human Factors Association

IEA NewsBriefs December 2024

This serves as the final NewsBriefs of 2024. We would like to thank the global IEA community for their ongoing support and contribution to the IEA. The 'Announcements' section includes a message from the IEA president outlining various activities that have occurred since the appointment of the new IEA officers in August as well as a call for papers for a special issue of the International Journal of Industrial Ergonomics. This edition also includes information about webinars taking place in January 2025. The "Upcoming Events" section includes several HFE events taking place in the remainder of 2024 and into 2025. In the *Spotlight on IEA Technical Committees* feature, we showcase the *Anthropometry* Technical Committee and the valuable work that they are doing to apply HFE principles to anthropometric measurement tools and measurement protocols to enhance the design of products and environments. We appreciate the ongoing support and commitment of the global IEA community to share updates that will be of interest to our community. Please send all updates to newsbriefs@iea.cc

ANNOUNCEMENTS

Virtual gathering of the IEA council

To foster greater collaboration across the IEA Council including Member Societies and Networks between annual Council meetings, two virtual gatherings are planned for the end of February. Times are planned to ensure that council members around the world can attend. These compliment the annual in-person IEA council meetings, the next being planned for 15-17 October, 2025.

A message from the IEA President

It has been a busy time for the IEA Officers since our appointment at the end of August. We now have an almost complete IEA Executive Committee. You can see their names and positions on the IEA website: <https://iea.cc/about/executive-committee-members/> . The most recent addition is Andrea Wittenbecher from the Swiss Ergonomics Society who has agreed to fill the position of Swiss Director (a legal requirement since our registration is in Switzerland). The Executive Committee members have all submitted their strategic plans and we are busy consolidating and providing direction to these plans. We look forward to supporting all IEA federated societies, big and small, to consolidate and grow their membership in order to deliver high-quality HFE research and practice.

As the IEA President, November and the beginning of December have been hectic, providing support to end-of-year conferences. I prepared video presentations for the:

- Romanian Ergonomics and Workplace Management Society (ErgoWork) for their Third ErgoWork 2024 conference which was held in Bucharest from 31 October to 1 November.
- Brazilian Association for Ergonomics (ABERGO) for their Twenty-Fourth ABERGO Congress which was held in Goiânia from 19 to 22 November.

- Ergonomics Society of Indonesia (PEI) for their Comprehensive International Ergonomics Seminar held in Surabaya from 28 to 29 November.

I was very fortunate to give a keynote address and to hand out the best paper awards to students at the 2024 International Conference on Human Factors Engineering and Interaction with AI Systems held in Shenzhen, China from 28 to 30 November, and hosted by the Chinese Ergonomics Society. Their support of early career researchers and practitioners is highly commendable. I was also able to attend the discussions of the ACED members to hear progress on the development of HFE in the region.



The image above comes from the International Conference of Human Factors Engineering and Interaction with AI systems' showcasing the Best Paper Award winners.

The names from left to right are Wenjie Zhang (张文杰), Xuanchi Wang (王焯智), Ye Tian (田野), Shanguang Chen (陈善广), Andrew Thatcher, Yanyi Li (陈善广), Xingyu Xiao (萧星宇), Shan Gao (高杉), Yi Wang (王一).

Celebrating the 50th Anniversary of the Croatian Ergonomics Society (CrES) I was invited to give a keynote address and to meet with the president of FEES and several presidents of the Eastern European ergonomics societies at the Ergonomics 2024 Conference which was the 10th Conference of the society. It was wonderful to see the cooperation and support that the Eastern European societies are giving to one another.



The image above comes from the 50th Anniversary of the Croatian Ergonomics Society

The names from left to right are: Andrew Thatcher, Eric Wang (ex-president, IEA), Henrijs Kalkis (Latvian Ergonomics Society), Zenija Roja (president of LES), Anca Draghici (president of ErgoWork), Jasna Leder Horina (president of CrES), Bernard Michez (president of FEES), and Kuo-Wei Chris SU (president of EST).

As 2024 draws to a close, I would like to wish all those federated members who celebrate holidays at this time of year a very merry festive period. We look forward to 2025 and launching everything that we have been planning.

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 form](#) here.

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

Important Dates	
Submission	31 January 2025
Review process	February - May 2025
Acceptance	July 2025
Final Manuscript	July 2025
Publication	Fall 2025

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

Event reminders

At this time, there are two webinars planned for January, as advertised below in the upcoming events section. This is a chance to view past events via the IEA YouTube channel:

(<https://www.youtube.com/channel/UCDnjCjRcYB7rBR2PJFw6k6w>).

UPCOMING EVENTS

Systematic methods in complex and digitalized manufacturing: webinar series. 25 January 2025, 15h00 UTC

This webinar is the first part of the Webinar Series: Systemic Methods in Complex and Digitalized Manufacturing, showcasing applied and analytical modeling research using FRAM and STAMP-STPA. The webinar is presented by members of the IEA Resilience Engineering Committee. The series focuses on applications in complex and digitalized manufacturing environments, including scenarios with complex manual work, digital gloves, smart glasses, and cobots.

In particular, the intervention explores how methods like AcciMap and STAMP can enhance quality and safety strategies by considering the entire sociotechnical ecosystem. Drawing from a year-long project in an aerospace manufacturing facility, where the team engaged closely with multiple stakeholders at various organizational levels, we demonstrate the value of these methodologies in providing a comprehensive understanding of complex systems and identifying control failures. The discussion will encourage broader reflection on how applying these methods can support resilient and efficient practices in modern manufacturing environments. We emphasize their relevance in optimizing processes, reducing errors, and promoting continuous improvement through innovative approaches.

Zoom Registration: https://us02web.zoom.us/webinar/register/WN_iuNvcvhpTuyoj7StDzvfZg

Informal Work and Ergonomics: Experiences from Chile and Ecuador. 29 January 2025, 16h00 UTC

This webinar organized by the IEA Informal Work TC in collaboration with the Universidad de Atacama and the Pontificia Universidad Católica del Ecuador will present an overview of the situation of informal work in Latin America with emphasis on Chile and Ecuador and then delve into specific case examples from both countries. The cases presented focus on the use of human factors and ergonomics methodologies and their utility to diagnose the situation and identify opportunities for

transformation of work. The results of these experiences will be discussed to address aspects ranging from the logic of socio-technical reorganization and public policy to the adaptation of tools and design applications focused on precarious work

Zoom Registration: https://us02web.zoom.us/webinar/register/WN_NQ9izhDjSsyll2PtzsQbhQ

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! Some important conference dates are provided here.

Important Dates	
Submissions close	1 December 2024
Notifications by:	End of January 2025

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>

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/>

PUBLICATIONS FROM IEA2024

The following two announcements come from IEA2024 Publication chair Yongku Kong Progress on the IEA2024 Proceeding Book Series

The IEA2024 conference exceeded expectations with significantly higher participation and paper submissions than initially anticipated. With 510 papers submitted, far surpassing our initial estimate, the IEA2024 publications team renegotiated our agreement with Springer to extend the proceeding series to Volume 7, to allow publishing all 510 papers in the proceeding book.

Subsequently, Springer provided us with four official template files: the final PDF, final Word document, signed consent form, and third-party content declaration form. Authors were instructed to submit their finalized versions by November 30. As of December 10th, files for over 320 papers were received. Assuming the remaining 180 manuscripts and associated files are received by mid-December, the first phase of the proceeding book preparation will be complete

Progress on the IEA2024 Special Issues

Based on the finalized submissions included in the proceeding book, professors on the Publications Committee are overseeing the special issues. These members will carefully review the submitted papers to evaluate their suitability for the respective journals. Recommendations will then be forwarded to the corresponding special issue editors for consideration.

Since the review process for the special issues is contingent upon the finalized proceeding book submissions, work on the special issues will commence in earnest from mid-January 2025.

SPOTLIGHT ON IEA TECHNICAL COMMITTEES (TC)

After featuring the Ergonomics and Design for All TC in our previous issue, in this edition we turn our focus to the **Anthropometry Technical Committee**. The Anthropometry TC was established to advance the understanding and sharing of anthropometric knowledge. The committee supports researchers by promoting the dissemination of methodologies that ensure comparability across anthropometric surveys and studies. Prioritizing standardized methods and best practices, the Anthropometry TC aims to ensure the repeatability and reproducibility of measurement protocols as well as the analysis and synthesis of anthropometric data. This enables the application of human body dimensions and morphological variability to the ergonomic design of products and environments, considering factors such as inclusivity, comfort, fit, performance, and safety.

Importance of the Anthropometry TC

The understanding of anthropometric measurements and measurement protocols is crucial to effectively design products and environments for improved safety, performance and well-being.

The scope of the Anthropometry TC encompasses research and knowledge spanning from data acquisition to its application in ergonomic assessment and design. This includes:

- Anthropometric measurement tools, including manual anthropometry and body scanning technologies, as well as comparisons between manual and digital methods
- Anthropometric measurements methodologies and protocols, considering factors such as errors, repeatability and reproducibility
- Anatomical models for defining body landmarks and measurements tailored to various applications
- 3D/4D data pre-processing techniques
- Multivariate analysis 1D and 3D data and synthesis for ergonomic applications
- Development of generative body shape models
- Application of anthropometry to product fit and sizing, including fit testing, evaluation and optimization

The goals of the Anthropometry TC for 2024/2027 are as follows:

1. Organize annual webinars on Anthropometry, guided by a comprehensive dissemination plan, to ensure diverse topics and global outreach
2. Foster enhanced member engagement by establishing sub-committees focused on specialised areas, which will contribute to the development of webinars, training sessions, and other knowledge-sharing initiatives
3. Develop an on-site workshop or training course aligned with the IEA2027 conference, incorporating practical and theoretical anthropometric applications to provide a holistic learning experience

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/>

Inactive TCs

If a TC becomes inactive or is without leadership, that TC will be removed from the website listing. There are currently 6 inactive TCs.

- Aerospace
- Ageing and Work
- Agriculture
- Ergonomics in Manufacturing
- Mining
- Work with Computing Systems

If you would like to lead one of these TCs, please contact stpchair@iea.cc. If no new leadership is designated, the content of these sections of the IEA.cc website will be removed as of 30 January, 2025.

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>