



International Ergonomics Association

## IEA NewsBriefs December 2021

***Erin Chiou, Ph.D., Editor***

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To all our readers, it has been a great pleasure and honor to serve as the International Ergonomics Association's NewsBriefs Editor since December 2019, producing and disseminating 25 issues to our federated societies and members, under the guidance of the IEA Executive Committee and Public Relations and Communications Committee. Hearing from many of you "across the pond"—from France, the Netherlands, India, Australia, and beyond—was a delight. However, it is time for me to pass on this role. Coincidentally, IEA Secretariat Administrator Lynn Strother will be retiring from IEA at the end of December. I am so lucky to have worked with her copy editing and administrative expertise through these NewsBriefs. I look forward to continuing the growth and shared effort of our global human factors and ergonomics community in other ways, and I hope to see many of you at IEA2024 on Jeju Island. To stay in touch, I can still be reached at: [erin.chiou@asu.edu](mailto:erin.chiou@asu.edu)

On that note, I am pleased to introduce our next IEA NewsBriefs Editor, Ms. Sma Ngcamu-Tukulula. Ms. Ngcamu-Tukulula is currently the Vice President of the Ergonomics Society of South Africa and a Certified Professional Ergonomist, with extensive experience in the application of HFE in many contexts. Please join me in warmly welcoming Ms. Sma Ngcamu-Tukulula to this role!

As always, please feel free to forward this IEA NewsBriefs issue to your human factors and ergonomics society members and other stakeholders. To include an item in a future issue, you may reach the new IEA NewsBriefs Editor at: [sma.ngcamu@gmail.com](mailto:sma.ngcamu@gmail.com)

### **A Message from the IEA President**

On behalf of the IEA officers and the Executive Committee, I would like to express thanks for the enormous effort, dedication, and resilience of all IEA members, federated and affiliated societies and their members, and regional networks, all of which were able to face the challenges brought by the pandemic in continuing the operation of the entire global structure of the IEA and maintaining all scheduled activities. The entire IEA community worked hard to provide effective responses to the pandemic using all available knowledge in the area of HFE, as well as holding national and regional congresses. I also want to give special thanks for the invaluable work of the Association of Canadian Ergonomists and the entire IEA2021 organizing team. It was a tremendous challenge to go from a face-to-face Triennial Congress to a

completely online conference, but everything was done with great skill and with an extraordinary result. We hope and wish for a much better 2022 for the entire global HFE community and the definitive overcoming of this pandemic context and that we can do much more to fulfill the mission and objectives of the IEA in the coming years.

Warm regards to all,  
José Orlando Gomes, D.Sc.  
IEA President

## **ANNOUNCEMENTS**

### **IEA Seeking Part-Time Administrator**

The International Ergonomics Association (IEA) is seeking a part-time administrator. The main task of the IEA administrator is to support the officers and the Executive Committee with a broad variety of tasks, including preparation of information material, maintaining contact lists, organizing meetings, keeping minutes, and providing administrative/updating support for the website and webinars. Previous experience in administrative activities is preferred, ideally in a non-profit, HFE related organization. Fluent English language and computer office skills are required and ideally experience with WordPress. Because IEA is an international organization, a willingness to travel abroad for Executive Committee and Council meetings and be flexible in work scheduling outside of normal office hours is necessary. This position will be on a contract, self-employed basis for approximately 10 hrs/week, including participation in videoconferences. The salary is a maximum of \$25 USD/hr before tax, with a maximum of \$10,000/year. International travel expenses will be covered for any in-person executive committee or council meetings. Please note that any tax declarations associated with payment must be handled by the individual, according to the country in which they live. The IEA is a non-profit international organization registered in Switzerland. Interested candidates should contact IEA Vice President & Secretary General Dr. Maggie Graf at [vpsg@iea.cc](mailto:vpsg@iea.cc)

### **Core Competencies in HFE, New Version Published by IEA**

IEA has published a new version of “Core Competencies in Human Factors and Ergonomics: Professional Knowledge and Skills.” This revision began in 2017 following an update of all other IEA documents relating to professional certification. For more information on the efforts that went into updating this document, and to access the latest version, please visit:

<https://iea.cc/revision-of-core-competencies-in-human-factors-and-ergonomics/>

### **Announcing the IEA/Kingfar and IEA/Tsinghua Awardees**

On behalf of the IEA Executive Committee, Past President and Awards Chair Dr. Kathleen Mosier is delighted to announce the recipients of the 2021 IEA/Kingfar Award and the IEA/Tsinghua Award. The IEA/Kingfar award is given in recognition of outstanding

student research in human factors / ergonomics (HFE) issues in industrially developing countries (IDCs). The purpose of the award is to encourage deserving students to further explore original research and applications on HFE issues typical of developing nations, thereby contributing to the well-being of people in IDCs. Nominations came from IEA federated societies, and applications were evaluated by a renowned international team of reviewers. Eight awardees from 6 different countries were chosen for the 2021 award:

- Dandan Hou (Chinese Ergonomics Society)
- Ehsan Garosi (Iran Ergonomics Society)
- Graciela Rodríguez (Sociedad de Ergonomía de México)
- Gurdeep Singh (Indian Society Ergonomics)
- Mirella Tonetto (Brazilian Ergonomics Society)
- Nilakshy Yeln (Indian Society Ergonomics)
- Shaoying Hu (Chinese) Ergonomics Society)
- Wyke Kusmasari (Indonesian Ergonomics Society)

The IEA/Tsinghua Award is given annually to honor persons such as researchers and educators who have made significant and outstanding contributions to the success of postgraduate educational programs that have HFE courses in the curriculum or contain substantial HFE content in some courses, through international and/or inter-regional collaboration. Three awardees from 2 programs in Brazil and China were selected for the 2021 award:

- Prof. Paulo Victor Rodrigues de Carvalho (Brazilian inter-regional collaboration)
- Prof. M. H. Agha and Prof. Aneel Salman (China, MEM Educational Program)

### **Recent IEA Society Activities in Spanish-Speaking Countries**

Read more about recent activities from the Argentine Ergonomics Association (AdEA), the first International Ergonomics Congress held in Bolivia, the Chilean Society of Ergonomics (SOCHERGO), the Society of Ergonomists of Mexico (SEMACE), and the XIth International and XVth National Congress of Ergonomics and Psychosociology held in Gijón, Spain. A link to these stories, summarized by IEA President José Orlando Gomes, including group photos and images of our colleagues from around the world is available here: <https://iea.cc/recent-iea-society-activities-in-spanish-speaking-countries/>

### **The 2021 Human Systems Integration Conference**

HSI2021, an INCOSE Conference, was held virtually from 16-19 November 2021. This first virtual edition of the HSI INCOSE Conference brought together a worldwide Human Systems Integration community through the joint efforts of the International Ergonomics Association (IEA), the Association for Computing Machinery (ACM), and the Air and Space Academy societies. Organized by conference co-chairs Drs. Guy Andre Boy (INCOSE HSI2021), Michelle Robertson (IEA), Grace Kennedy (University of Wollongong), and Kerry Lunney (INCOSE President), more than ten countries were represented, and a diverse body of work across 32 panels and technical sessions were included. Keynotes were given by Drs. Nancy Cooke (Arizona State University), Nancy

Leveson (Massachusetts Institute of Technology), Paul Salmon (University of the Sunshine Coast), and Tom McDermott (Stevens Institute & SERC), along with closing remarks from IEA Past President Dr. Kathleen Mosier on the “Future of HSI - Joining Efforts with INCOSE, IEA, and ACM.” The conference schedule and session abstracts are available on the website here: <https://www.incose.org/hsi2021/event-schedule>

### **Slip-Resistance Measurements – Special-Issue Submissions Portal Now Open**

In the October NewsBriefs we announced a call for special-issue article submissions on the topic of slip-resistance measurements (and related slip-and-fall research) to be published in a special issue of “Frontiers in Public Health.” The submission portal for “Research Challenges of Slip Resistance Measurements” is now open. For more information please visit: <https://www.frontiersin.org/research-topics/29263/research-challenges-of-slip-resistance-measurements#overview>

## **UPCOMING EVENTS**

### **IEA-Endorsed Events**

#### **Healthcare Systems Ergonomics and Patient Safety Triennial Conference**

On 2-4 November 2022 Delft University of Technology, the Netherlands, will host the HEPS2022, an IEA-endorsed triennial conference on Healthcare Systems Ergonomics and Patient Safety. Dr. Marijke Melles, Associate Professor of Human-Centered Design for Quality of Care will be chairing the conference. The deadline to submit special sessions is **15 January 2022**, and for abstracts it is **28 February 2022**. For more information please visit: <https://www.heps2022.com>

### **Other Notable Events**

#### **EHF2022 Call for Submissions**

The Ergonomics & Human Factors 2022 International Conference will be held online in part one (11-12 April), and part two will be held face to face in Birmingham (25-26 April). Hosted by the Chartered Institute of Ergonomics & Human Factors, this event will be one of the largest gatherings of ergonomists and human factors professionals around the world for industry or business leaders, human factors practitioners, and researchers or academics. Keynote speakers include Suzy Broadbent from the Healthcare Safety Investigations Branch, Professor Neville Stanton from the University of Southampton, and Dr. Alonso Vera from the NASA Ames Research Center. Paper submissions are open and will be accepted until **14 January 2022**. For more information please visit: <https://conference.ergonomics.org.uk/>

### **Digital Human Modeling Symposium & Virtual Human Summit Call for Papers**

The University of Iowa Technology Institute, jointly with the IEA Technical Committee on Digital Human Modeling and Simulation, proudly invite academics and practitioners to submit their paper proposals to the joint

7th International Digital Human Modeling Symposium (DHM 2022) & 3rd Annual Iowa Virtual Human Summit (IVHS) to be held 29-31 August 2022 in Iowa City, Iowa, U.S.A. The IVHS will immediately follow DHM on the afternoon of the final day of DHM 2022. Both are being planned as in-person events, with a virtual option for those who cannot attend in person. Paper abstract submissions are due by **28 January 2022**. For more information please visit: <https://iti.uiowa.edu/dhm2022>

**IEA Webinar on Human-Robot Interaction --  
Recording Now Available**

Missed last week's webinar organized by the IEA Technical Committee on Human Factors in Robotics? Watch the presentations and hear the answers to audience questions from Dr. Julie Shah (MIT, USA), Dr. Arash Ajoudani (IIT, Italy), and Patricia Rosen (BAuA, Germany) from the IEA YouTube channel linked below, or here: <https://iea.cc/iea-webinar-on-human-robot-interaction-december-15/>

**IEA Webinar on Affective Design Research Directions -- Recording Now Available**

Missed last month's webinar organized by the IEA Technical Committee on Affective Design? You can now catch Dr. Anirban Chowdhury's part of the talk on the IEA YouTube channel linked below. Once you have watched the talk, stick around to feel like you were also part of the virtual group photo taken around the 1:00:50 mark: <https://www.youtube.com/watch?v=T9dXyEgT9-A>

**OTHER 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: <https://www.youtube.com/channel/UCDnjCjRcYB7rBR2PJFw6k6w>

