

Annual Report of IEA Technical Committee 2023

Name of Technical Committee: Ergonomics and Human Factors for Sustainability

Website (URL): <https://iea.cc/member/human-factors-and-sustainable-development/>

Chairs: Karen Lange-Morales (Universidad Nacional de Colombia, Colombia – klangem@unal.edu.co)
 Ivan Bolis (Federal University of Paraíba, Brazil – bolis.ivan@alumni.usp.br)
 Tiago F. A. C. Sigahi (State University of Campinas, Brazil – sigahi@unicamp.br)
 Gabriel Garcia-Acosta (Universidad Nacional de Colombia, Colombia – ggarciaa@unal.edu.co)

Appointment date of chairperson: June 2021

Secretary (optional): N/A

Appointment date of secretary: N/A

Reporting Year	Work Group / Executive Members	Current Membership	Activities accomplished for the reporting year 2023.	Activities planned for the following year 2024	Support requested from IEA Executive Committee, Standing Committees or other Technical Committees for the next year 2024
2023	<p>Co-chairs of the TC</p> <ul style="list-style-type: none"> • Karen Lange-Morales • Ivan Bolis • Tiago F. A. C. Sigahi • Gabriel Garcia-Acosta <p>Co-chairs of the subcommittees</p> <ul style="list-style-type: none"> • Sub-Committee 1: “Theoretical Perspectives on Human Factors and Sustainable 	<p>Based on the mailing list to which HFSD TC communications are sent, there are 81 participants.</p> <p>Nations involved: Brazil, Colombia, South Africa, United Kingdom, Germany, Malaysia, Italy, France, Mexico, New Zealand, Tunisia, Denmark, Australia, Sweden, Portugal, Turkey, Canada, China, USA.</p>	<p>1. Conference/Seminar/Workshop</p> <ul style="list-style-type: none"> • Webinar: “Design for Safer City Transportation” with Daniel Herriges, April 12, 2023 (promoted by HFES); <p>2. Research/Publications</p> <ul style="list-style-type: none"> • Collaborative development of a special issue proposal with all members of the TC, accepted in the Applied Ergonomics journal (Elsevier), “E/HF for a sustainable, resilient, human-centered future” – expected date of the 	<ul style="list-style-type: none"> • Special issue in the Applied Ergonomics journal (Elsevier), “E/HF for a sustainable, resilient, human-centered future” – expected date of publication January 2025 (promoted by Ivan Bolis, Tiago Sigahi and Andrew Thatcher) • Handling papers submitted to IEA 2024 that are related to the 	N/A

	<p>Development” - Claudio Brunoro, University of Sao Paulo, Brazil, cbrunoro@uol.com.br</p> <ul style="list-style-type: none"> • Sub-Committee 2: “Human Factors and Sustainable Development in Global Value Creation” - Klaus Fischer, University of Kaiserslautern, Germany, klaus.fischer@ita-kl.de • Sub-Committee 3: “Ergonomics and Design for Sustainability” - Giuseppe Di Bucchianico, University of Chieti-Pescara, Italy, pepetto@unich.it; and Emilio Rossi, Lincoln School of Design, UK, erossi@lincoln.ac.uk • Sub-Committee 4: “Energy and Mobility” -David Rempel, University of California San Francisco, USA, dm.rempel@gmail.com; Dan 		<p>beginning of paper submission: 15 Dec 2024 (promoted by Ivan Bolis, Tiago Sigahi and Andrew Thatcher)</p> <ul style="list-style-type: none"> • Special issue in the Human Factors journal – “HF/E in the design and adoption of renewable and sustainable energy systems and devices” (organized by David Rempel and Xudong Zhang) • Special issue in the Ergonomics journal (Taylor and Francis), “Applying E/HF systems thinking to complex global problems” – expected date of publication: 2023 (promoted by Andrew Thatcher and Tiago Sigahi) • Planning and construction of an international and transdisciplinary project to apply HFSD TC concepts in practice: "Pulses of water: An integrated approach to the amphibian Letitia" (Promoted by Karen Lange-Morales, Ivan Bolis, and Gabriel Garcia-Acosta) • Special issue "Sustainable Ergonomics – Ergonomics for Sustainability" in the Italian Journal of Ergonomics: (promoted by Emilio Rossi, co-chair of the Ergonomics and Design for Sustainability subcommittee, and Erminia Attaianesi, co-chair of the 	TC	
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	<p>Gottesman, dangottesman@ergovation.com; and Rich Mcilroy, r.mcilroy@soton.ac.uk</p> <ul style="list-style-type: none"> • Sub-Committee 5: "Sustainability in the Built Environment" - Erminia Attaianese, University of Naples Federico II, Italy, erminia.attaianese@unina.it • Sub-Committee 6: "Smart/Intelligent Systems" - Paul Yeow, School of Business & Management, RMIT University, Vietnam, paul.yeow@rmit.edu.vn; and Myriam Frejus, EDF Research & Development, France 		<p>Sustainability in the Built Environment subcommittee).</p> <ul style="list-style-type: none"> • Special issue "Ergonomics for a Better Use and Consumption of Resources". in the Italian Journal of Ergonomics: (promoted by Emilio Rossi, co-chair of the Ergonomics and Design for Sustainability subcommittee, and Erminia Attaianese, co-chair of the Sustainability in the Built Environment subcommittee). <p>3. Outreach activities/others</p> <ul style="list-style-type: none"> • Invitation for a Symposium proposal on E/HF and Sustainability • Discussion on improving the name of the technical committee 		
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