



Ergonomic Design, Development, and Research in the Informal Sector in Latin America - Part-1

Informal Work Webinar Series

Proposed Date: Wednesday, 4th December 2024

Time: 16:00 UTC

Duration: 90 mins

Brief summary of content: This IEA webinar, titled “*Ergonomic Design, Development, and Research in the Informal Sector in Latin America*,” is part of a series of webinars focused on analyzing informal labor and its challenges. Organized by the IEA Informal Work Technical Committee in collaboration with the National University of Córdoba, the webinar will feature projects from universities across Latin America illustrating the integration of ergonomics principles and industrial design to address issues in informal work contexts within their respective regions. The objective of this webinar is to demonstrate how an interdisciplinary approach in ergonomics education and training can enhance the health and well-being of workers in informal employment, providing practical and sustainable solutions that positively impact their daily activities.

Organiser’s names: Gabriela Villafañez, National University of Córdoba; Clive D’Souza, University of Pittsburgh, and Chair, IEA Informal Work TC.

Presentations:

- 1) **Ergonomic Design, Development, and Research in the Informal Sector in Latin America, Contributions from Universities**, Prof. Gabriela Villafañez, National University of Córdoba, Argentina
- 2) **Review of Graduate Projects in Design and Ergonomics: Approaches and Applications**, Prof. Esteban Sarnago, National University of Córdoba, Argentina
- 3) **Social Design and Ergonomics: The conditions of autonomous and informal work, and the needs for well-being and financial sustainability**. Prof. Franciane da Silva Falcão, Usability

and Interfaces Laboratory, Department of Design and Graphic Expression, Federal University of Amazonas, Brazil.

Presenter information:



Gabriela Villafañez: Industrial Designer, Master in Ergonomics and Specialist in Hygiene and Safety at Work. Researcher and undergraduate and postgraduate professor at the Faculty of Architecture and Design of the National University of Córdoba, and the National University of the Northeast. She leads the postgraduate course in Ergonomics and Human Factors Consultant and advisor in design, ergonomics and occupational safety.



Esteban Sarnago: Industrial Designer. PhD student in Design. Currently Professor of the Chair of Industrial Design, Final Graduation Project. Faculty of Architecture and Design of the National University of Córdoba. Professor at the Polytechnic University of Valencia. Founder and Director of the company: Sarnago Design Developments. SENIOR in Industrial Design, with experience in injection molding product design, and the development and engineering of injection molds.



Franciane da Silva Falcão: Graduate in Industrial Design with postgraduate studies and a Doctorate in Design, specialized in Ergonomics, from the Paulista State University. Member of the DELTA Research Group and the Brazilian Ergonomics Association (ABERGO). Currently, she is an adjunct professor at the Federal University of Amazonas Deputy Head of the Department of Design and Graphic Expression, Deputy Head of the Usability and Interface Laboratory (LabUsi).

Moderator: Dr. Acran Salmen-Navarro, New York University Grossman School of Medicine.

Zoom Registration:

https://us02web.zoom.us/webinar/register/WN_EYoVPrk_Q_aJatoixgAcdg

Registration is free to all interested people, but it is necessary to register to attend. Registered attendees can complete a brief post-webinar survey to receive e-certificates of completion. Presentations will be in Spanish/Portuguese, with English subtitles. The webinar will be recorded and published on YouTube. Attendance permits live interaction with the presenters in a moderated Q&A.