Webinar Series
Visual Ergonomics and Digital Devices

Date: Friday, 20th November 2026

Time: UTC 14:00 (CET 15:00)
Duration: 1.5 hours

Join our webinar to explore the latest research and practical applications in **Visual Ergonomics and Digital Devices**. Executive members of the IEA Visual Ergonomics Technical Committee will share their expertise on how today's digital technologies influence visual performance, comfort, and well-being. Discover how visual ergonomics can contribute to healthier, more comfortable, and more effective interactions with digital devices in our everyday lives. Whether you're a researcher, practitioner, or simply passionate about healthy, efficient visual environments, this webinar will inspire, inform, and connect you to a worldwide community of professionals.

Webinar Chair: Hillevi Hemphälä (PhD in Visual Ergonomics) |Optometrist |Assistant Professor at Lund University, Sweden
hillevi.hemphala@design.lth.se

Presenters



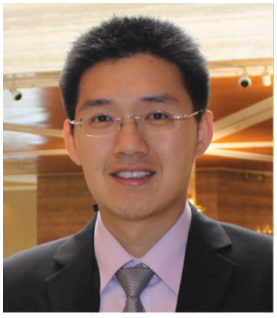
Title
How can we create a healthy visual environment? With a focus on computer work and screen recommendations and the visual environment.

Presenter details
Hillevi Hemphälä, Chair
Lund University, Sweden
Department of Design Sciences Division of Ergonomics and Aerosol Technologies
hillevi.hemphala@design.lth.se



Title
Brightness perception in VRD (virtual retinal displays)

Presenter details
Rudy Ying-Yin Huang, Co-chair
Human Factors Engineering Lab
Department of Mechanical Engineering
National Taiwan University, Taiwan
rudyhuang@ntu.edu.tw



Title
Visual Ergonomic assessment of color e-displays

Presenter details
Frank Po-Hung Lin
Department of Industrial Engineering & Management
National Kaohsiung University of Science and Technology, Taiwan
frank.phlin@gmail.com



Title
Distracted Behind the Wheel: Object and Spatial Distractions Inside the Cabin

Presenter details
Sanjram Premjit Khanganba
Chair, Focused Research Group in Human Factors
Human Factors & Applied Cognition Lab
Centre for Interdisciplinary Studies
Indian Institute of Technology Indore, India
sanjrampk@iiti.ac.in



Title
Digital Device Use and Ocular Surface Health: Mechanisms, Evidence, and Clinical Implications

Presenter details
Beatriz Redondo Cabrera
Claro (Clinical and Laboratory Applications of Research in Optometry)
Research Group, Department of Optics, Faculty of Sciences, University of Granada, Granada, Spain
beatrizrc@ugr.es



Title
Designing for Human Limits: How Plain Language and Visual Ergonomics Work Together

Presenter details
Cláudia Mont'Alvão
Department of Arts & Design, Graduate Program in Design
Pontifical Catholic University of Rio de Janeiro, Brazil
cmontalvao@puc-rio.br

Zoom Registration
Click on: https://us02web.zoom.us/webinar/register/WN_4cM99I3-TYe_NzxT8YqfAw
Registration is free to all interested people. The webinar will be recorded and published on YouTube. Registration permits live interaction with the presenters via Q&A.