

Semi - Annual Report of IEA Technical Committee 2022

Reporting date: 1st June 2022
 Name of Technical Committee: Visual Ergonomics
 Website (URL): <https://iea.cc/member/visual-ergonomics/>
 Chairs: Marino Menozzi, ETH Zürich, mmenozzi@ethz.ch
 Appointment date of chairperson: August 2018
 Co-chair: Hillevi Hemphälä, Lund University, hillevi.hemphala@design.lth.se
 Appointment date of co-chairperson: August 2018
 Secretary (optional): n/a
 Appointment date of secretary: n/a

Re- por- ting Year	Work Group / Executive Members	Current Mem- bership	Activities accomplished since the last reporting on 25 th Sept. 2021.	Activities planned for the following year 2021	Support requested from IEA Executive Committee, Stand- ing Committees or other Technical Committees for the following year 2022
2022	Marino Me- nozzi (chair), Switzerland Hillevi Hemphälä (co-chair), Sweden Jennifer Long, Aus- tralia Rudy Ying- Yin Huang, Taiwan Frank Po- Hung Lin, Taiwan	Number of partic- ipants and/or members as for June 2021: 140 Members reside in: Scandinavia, Australia, Europe, Africa, Asia, Mid- dle East, North and South Ameri- ca, Canada	1. Technical committee meeting - Executive committee meetings dates: 6 th December 2021 2. Conference/Seminar/Workshop - Marino Menozzi & Kageyu Noro organized the <u>symposium</u> “Er- gonomics in Surgery” at the Japan Ergonomics Society (JES) meeting in March 2022. The symposium included 9 talks. - Marino Menozzi held a <u>keynote</u> speech at the JES meeting with the title “Ergonomics yesterday, today, and in the future”. - Jennifer Long was a <u>keynote</u> presenter at the Optometry Austral- ia “Growing your Occupational Optometry Skill Set” conference in Canberra, Australia, on 27 February 2022. 3. Research n/a 4. Technology and Applications n/a 5. Publications 6. - Huang, YY (Rudy), Menozzi, M. (2022). Effects of viewing distance and age on the performance and symptoms in a visual search task in augmented reality. Applied Ergonomics, 102, 103746, doi: https://doi.org/10.1016/j.apergo.2022.103746 - Ropelato, S., Menozzi, M. (2021). Hyper-reoriented walking in mi- nimal space. Virtual Reality, doi: https://doi.org/10.1007/s10055-021-00608-0 - Cardoso, A., Colim, A., Bicho, E.; Braga, A.C.; Menozzi, M., Are-	- Promote visual ergo- nomics on a political level. - Increase the number of members of our TC. - Keep the TC website con- tent up-to-date - Create a webinar on visual ergo- nomics.	- We would appreciate receiv- ing funds from IEA to invite practitioners in Visual Ergo- nomics to contribute in lectures of university students. This helps promoting Ergonomics in young students of academia. Assuming: 1) semester dura- tion 14 weeks 2) practitioner included (virtually) bi-weekly 3) remuneration per practitioner 300 CHF → Required funds = 2'100 CHF. Sessions with practitioners could be recorded and made available to IEA members (e.g. for lectures, webinars, etc.).

			<p>zes, P. (2021). Ergonomics and Human Factors as a Requirement to Implement Safer Collaborative Robotic Workstations: A Literature Review. Safety, 7(71). https://doi.org/10.3390/safety7040071</p> <p>7. Outreach activities/others</p> <ul style="list-style-type: none">- Newsletter written and sent to TC members 3x a year.- Keeping the TC website content up-to-date		
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There are currently 140 members of the IEA Visual Ergonomics TC.

Executive board

Name	Country	Affiliation
PD Dr Marino Menozzi (chair)	Switzerland	Chair of Consumer Behaviour, Ergonomics of Information Media, ETH, Zurich
Dr Hillevi Hemphälä (co-chair)	Sweden	Department of Design Sciences, Div. Ergonomics and Aerosol Technologies, Lund University
Dr Jennifer Long	Australia	Jennifer Long Visual Ergonomics, Katoomba School of Optometry and Vision Science, University of New South Wales, Sydney
Prof. Dr Rudy Ying-Yin Huang	Taiwan	Department of Industrial Engineering & Management, National Taipei University of Technology, Taipei
Prof. Dr. Frank Po Hung-Lin	Taiwan	Department of Industrial Engineering & Management, National Kaohsiung University of Science and Technology, Kaohsiung

Following TC members agreed to have their address public:

- Mr Tony Bergen Australia Managing Director, Steve Jenkins & Associates Pty Ltd, Melbourne
- Dr Alex Black Australia Lecturer, School of Optometry and Vision Science, QUT
- Dr Catherine Burns Canada Centre for Bioengineering and Biotechnology, University of Waterloo, Advanced Interface Design Lab, University of Waterloo
- Dr. André Calero Valdez Germany RWTH Aachen University
- Ms Margareta Bratt Carlström Sweden HR Office at Karolinska Institutet
- Ms Caley Chaplin Singapore Ergonomist at Synergo Consulting Pty Ltd
- Mr Satyan Chari Australia Human Factors and Systems Safety, Metro North Hospital and Health Service, Queensland
- Ms Chhua Joo Cheng, Nicolette Singapore DMERI, DSO National Laboratories
- Ms Nivedita Dabir India Behavioral Optometrist, Director of Finevision Optometry & Contact lens clinic
- Dr Ekeoma Adure Edemeraro Nigeria Optometrist
- Dr Knut Inge Fostervold Norway Department of Psychology, University of Oslo
- Mr Peter Frener Germany German legal accident insurance (DGUV), c/o Berufsgenossenschaft Holz und Metall
- Ms Rosemma Gario Italy Research department (virtual reality), Finsoft s.r.l
- Dr Ian Gibson Australia Certified Professional Ergonomist, Perth
- Dr Susanne Glimne Sweden Unit of Optometry/Optomety Education, Karolinska Institut, Stockholm

- Dr Andreas Haslbeck Germany Ergonomist
- Mr Magne Helland Norway Department of Optometry, Radiography and Lighting Design, Faculty of Health and Social Sciences, University of South-Eastern Norway, Kongsberg
- Dr José Laparra Hernández Spain Head of Human Factors Area, Instituto de Biomecánica de Valencia
- Mr Sven Hoffmann Switzerland Program Manager MAS Work+Health, University of Zurich and University of Lausanne
- Dr Daniel Holder Germany Institute for Engineering Design and Industrial Design, University of Stuttgart
- Dr Peter Howarth United Kingdom, Loughborough Design School, Loughborough University
- Dr Jukka Häkkinen Finland Department of Psychology and Logopedics, Faculty of Medicine, University of Helsinki
- Ms Paola Jara Cerda Chile Architect, Bioclimatic Laboratory, Universidad Central de Chile and Universidad de Santiago de Chile
- Ms Eva Jangdin Sweden Certified European Ergonomist/physiotherapist, Ergo Innovation Sweden AB
- Dr Reza Kazemi Iran Occupational Health Engineering, Department of Ergonomics, School of Health, Shiraz University of Medical Sciences
- Dr. Sanjram Premjit Khanganba India Human Factors & Applied Cognition Lab, Indian Institute of Technology Indore
- Dr Fabricio Kovalechen Brazil Occupational Medicine
- Dr R Krishna Kumar India Optometrist, Occupational Optometry Services, Chennai, Elite School of Optometry, Unit of Medical Research Foundation, Chennai
- Dr Yun-Ju Lee Taiwan Department of Industrial Engineering and Engineering Management, National Tsing Hua University
- Ms So Young Lee Australia Adelaide Exposure Science and Health (AESH), School of Public Health, the University of Adelaide
- Dr Alan Laird Lewis USA Adjunct Professor of Physiological Optics, New England College of Optometry, Boston.
- Dr Ray F. Lin Taiwan Department of Industrial Engineering & Management, Yuan Ze University
- Dr Yandan Lin China Research Center of Lighting Ergonomics, Fudan University
- Dr. Francisco Martinez-Verdú, Spain Department of Optics, Pharmacology and Anatomy, University of Alicante, Spain
- Mr Horst Mayer Sweden Psychophysicologist, retired
- Ms Annika Mattus Tufvesson Sweden Ergonomist/physiotherapist, A-Ergonomi
- Ms Randi Mork Norway Department of Optometry, Radiography and Lighting Design, Faculty of Health and Social Sciences, University of South-Eastern Norway, Kongsberg
- Dr Miwa Nakanishi Japan Department of Administration Engineering, Keio University
- Mr Hussein Nasser Al Islami Iran Master student of Cognitive Psychology, University of Tabriz
- Dr Peter Nickel Germany Institute for Occupational Safety and Health of the German Social Accident Insurance (IFA)
- Dr Per Nylén Sweden Swedish Work Environment Authority
- Ms Ann-Kristin Nyström Sweden Physiotherapist/ergonomist
- Mr Steven Orfield USA Orfield Laboratories, Minneapolis
- Dr Cecilia Österman Sweden Linnaeus University

- Mr Per-Ake Ostman Sweden Optometrist
- Mr Carlos Perez Mexico
- Mr Octavio Luis Perez USA PhD candidate “Lighting and Healthcare”, Rensselaer Polytechnic Institute (RPI)
- Mr Per Johan Pettersson Sweden MD Merident Optergo – MD Optics – ergonomic vision solutions
- Mr Avinash Prabhu India Assistant professor, Department of Optometry, Manipal University
- Mr Paulo Cabreza Respicio Philippines Occupational health & safety specialist, physiotherapist
- Mr Markus Reisinger Austria Lighting design & applied perception research, Reisinger Studios
- Dr Adam Roberts Singapore Nanyang Technological University
- Dr Mark Rosenfield USA SUNY College of Optometry, New York
- Dr Biswanath Roy India Illuminating Engineering, Electrical Engineering Department, Jadavpur University, Kolkata
- Dr Brendan Ryan United Kingdom, University of Nottingham
- Dr Eduardo Costa Sa Brazil Occupational Health Doctor and Ophthalmologist in São Paulo, PhD. Teacher at the Medicine Faculty of São Paulo University and ABC Medicine Faculty.
- Mr Sambath RD India Indian Institute of Technology Roorkee, India.
- Mr Chandan Shettigar India Department of Optometry, School of Allied Health Sciences, Manipal University
- Ms Isabella Tiziana Steffan Italy Studio Steffan, Progettazione & Ricerca (Design & Research)
- Dr Thomas Stüdeli Switzerland Head of Human Factors Engineering, Healthcare Quality, Global Healthcare Operations, Merck Group
- Ms Tone Svela Norway Optometrist
- Mr Freddy Svensson Sweden Optometrist
- Mr Peter Thorns United Kingdom, Zumtobel
- Dr Hanne-Mari Schiøtz Thorud Norway Department of Optometry, Radiography and Lighting Design, National Centre for Optics, Vision and Eyecare, University of South-Eastern Norway, Kongsberg
- Dr Allan Toomingas Sweden Institute of Environmental Medicine, Unit of Occupational Medicine, Karolinska Institute, Stockholm
- Dr Berna Ulutas Turkey Department of Industrial Engineering, Eskisehir Osmangazi University, Turkey
- Mr Bas van der Doelen, MSc Netherlands Ergonomist, Eur. Erg
- Ms Iris van’t Leven Netherlands Occupational Hygienist/Ergonomist, Iris Advies
- Dr Jennifer Veitch Canada National Research Council of Canada
- Dr Arnold Wilkins England Department of Psychology, University of Essex
- Ms Ling Yan
- Dr Seyed Abolfazl Zakerian Iran Department of Occupational Health, Tehran University of Medical Science (TUMS)
- Dr Camilla Zetterberg Sweden Centre for Musculoskeletal Research, Department of Occupational Health Science and Psychology, University of Gävle

- Ms Christina Zetterlund Sweden Center of Rehabilitation research (HFC) Örebro Count council, University of Örebro