

CV of Marino Menozzi, ETH Zürich

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Achievements:

- 1978 High school graduation in mathematical and natural science in Oberwil (BL), Switzerland with supplementary training in astronomy and programming.
- 1978 – 1983 Diploma study at the department of mathematics and physics of the Swiss federal institute of technology (ETH) in Zürich. Specialisation in physics of metals, laser and laser plasma. Diploma in physics in 1983. Diploma work about distributed feedback CO₂ lasers.
- 1984 – 1989 Doctorate study at the institute of Hygiene and Applied Physiology (IHA) of ETH. Assistant of Prof. Dr. Dr. H. Krueger. Major contributions to developments of techniques used to record visual functions. PhD thesis on “Vision and Displays” in 1989. Thesis honoured with the ETH medal for top 5% of dissertations.
- 1999 Habilitation and venia legendi in “Human Factors” at ETH Zürich.
- 2000 Certification as European ergonomist by CREE (re-certificate 2005, 2010).

Scientific activities:

- 1989 – 1994 Head of the group of “applied sensory physiology” at the IHA of ETH Zürich.
- 1990 - 2004 Scientific collaborator of Prof. Dr. Dr. H. Krueger. Senior assistant at IHA. Starting as lecturer at ETH in 1990.
- 1994 - 2004 Head of “applied vision research” at IHA.
- 2002 Guest researcher at the Space Medicine Research Center, Research Institute for Environmental Medicine, Nagoya University
- 2002 - 2003 Research and development at Essilor Company in St. Maur (Paris), France
- 2003 - 2004 Vice director of the Institute of Hygiene and Applied Physiology, ETH Zürich
- 2004 - Head of group “Ergonomics of Information Media” now named “Human Factors Engineering”, ETH Zürich

Board member:

- 1998 - Member of the ethics committee at ETH Zürich
- 2003 – 2009 Board member of the German “Gesellschaft für Arbeitswissenschaft e. V.”
- 2003 - 2012 Board member of the conference of lecturers of ETH Zürich
- 2004 - 2012 Member of the university senate (“Hochschulversammlung”) of ETH Zürich
- 2004 - 2005 Delegate to the Conference of Departments of ETH for the department of Industrial Management and Manufacturing, ETH Zürich
- 2005 - 2012 Representative of lecturers in the conference of the department of Management, Technology and Economics (MTEC) of ETH Zürich
- 2005 - 2008 President of the Swiss Society for Ergonomics, SwissErgo
- 2005 - 2008 President of suissepro, the Swiss umbrella association (“Dachverband”) for occupational safety and health
- 2005 - Board member of the international board of advisors of the journal Ergonomia (Italy)

- 2005 - 2008 Expert at the German Research Foundation (DFG) for the priority program “1184 “age differentiated work systems” as well for individual research grants and the cluster of excellence and graduate schools (excellence initiative, panel 27, system engineering)
- 2006 - 2012 Appointment to the scientific advisory board of the Leibnitz Research Centre for Working Environment and Human Factors (IfADo former institute of work physiology) at the university in Dortmund, Germany
- 2006 - Appointment to the scientific committee on “Vision and Work” of the International Commission on Occupational Health (ICOH)
- 2009 - Appointment to the scientific advisory board of the “Zentralblatt für Arbeitsmedizin, Arbeitsschutz und Ergonomie” (Journal of occupational health, occupational safety and ergonomics)
- 2010 - Member of the technical committee “Visual Ergonomics” of the International Ergonomics Association IEA, Vize-Chair of the committee since 2015
- 2013 - Board member (re-elected) of the German “Gesellschaft für Arbeitswissenschaft e.V.“
- 2013 - Member of the editorial board of the “International Journal on Working Conditions”
- 2014 - Member of the advisory board of the “Zeitschrift für Arbeitswissenschaft” (German Journal of Occupational Science)

Lectures and other activities in education:

- 1990 - 2004 “Ergonomics”, held at ETH Zürich
- 1995 - 2002 “Actual problems in vision research”, held at ETH Zürich
- 1996 Build up and running the Swiss refraction course for ophthalmologists.
- 1996 - 1997 “Workplace design considering perception”, department of psychology, University of Zürich
- 1998 - 2007 “Basics in psychophysics”, ETH Zürich and department of psychology, University of Zürich
- 2000 - 2003 “Selected topics in sensory physiology”, hold at the department of psychology of the University of Zürich
- 2001 - “Ergophthalmology and physiological optics”, Varilux University, Paris, France
- 2003 - 2005 Director of the post-diploma study “work + health”, ETH Zürich
- 2005 - 2008 “Designing interactive systems”, ETH Zürich
- 2006 - “Ergonomics”, Institute for Industrial Design, university of applied sciences, FHNW, Basel, Switzerland
- 2008 - 2012 “Human Vision in Product Development and Innovation”, ETH Zürich
- 2011 „Human Factors: Wahrnehmungsforschung in Industrie, Arbeitsplatz und Technik“, University Bern, Switzerland
- 2011 - 2012 “Human Information Processing and Cybernetics”, ETH Zürich
- 2012 - “Ergonomie”, (taught in French), University of Neuchâtel, Switzerland
- 2013 - 2014 “Human Information Processing and Cybernetics in Product Development”, ETH Zürich
- 2014 - Ergonomie, MAS Medizintechnik, FH Bern
- 2014 - Applications of Cybernetics in Ergonomics, ETH Zürich
- 2014 - Human Factors I & II, ETH Zürich
- 2015 Managing the Innovation Driven Enterprises, ETH Zürich

Patents:

- Color discrimination vision test, USA Patent and Trademark Office, 2001
- Vision testing apparatus, USA Patent and Trademark Office, 2001
- Instrument for the measurement of the accommodation of the eye. (Apparato per misurare l'accomodazione dell'occhio ad alta risoluzione spaziale e temporale), CH Patent, 2009

Review activities:

For journals:

- Ergonomics
- WORK: A Journal of Prevention, Assessment, and Rehabilitation
- Zeitschrift für Arbeitswissenschaft
- Spatial Cognition and Computation: An Interdisciplinary Journal
- Biomedizinische Technik
- Displays
- IEEE Transaction on Robotics
- Journal of Eye Movement Research
- Journal of Environmental Psychology
- Swiss Journal of Psychology

For conferences:

- Society for Information Display (IEEE)
- European Conference on Eye Movements
- International Symposium on Occupational Safety and Health (Portugal)
- SouthCHI 2013 - Int. Conference on Human Factors in Computing & Informatics
- Int. conf. of the International Ergonomics Association, Melbourne, Australia, 2015

For funding bodies / prizes:

- Swiss National Science Foundation
- Swiss Federal Road Office (ASTRA)
- Ambient Assisted Living AAL (EU programme)
- European Cooperation in Science and Technology, COST
- Deutsche Forschungsgemeinschaft (single proposals & Schwerpunktprogramm, Exzellenzprogramm in Systems Engineering)
- Sinoswiss, Innovedum (ETH)
- Walter-Rohmert Forschungspreis für Arbeitswissenschaft

For education:

- ETH Zürich
- Université de Neuchâtel
- The College of Optometrists (Loughborough University)
- Swiss Universities of Applied Sciences (FHNW, ZHAW)