Reinhold Scherer

School of Computer Science and Electronic Engineering
University of Essex
Wivenhoe Park
Colchester CO4 3SQ, UK

Tel : +44 (0) 1206 872786
Email : r.scherer@essex.ac.uk
ORCID: http://orcid.org/0000-0003-3407-9709

Education:

2001 – 2008	Dr.techn. degree (honors) in computer science, Graz University of Technology, Austria
1991 – 2001	Dipl.-Ing. degree (honors) in computer science, Graz University of Technology, Austria

Professional background:

*2019 – Present: **University of Essex**, School of Computer Science and Electronic Engineering, UK*

- 2019/01 – present   Professor in Brain-Computer Interfaces and Neural Engineering

*2010 – 2018: **Graz University of Technology**, Institute of Neural Engineering, Austria*

- 2011/11 – 2018/12   Deputy Head of the Institute of Neural Engineering
- 2016/09 – 2018/12   Associate Professor
- 2016/03   Habilitation (venia docendi) in applied computer science
- 2011/11 – 2016/08   Assistant Professor
- 2010/05 – 2011/10   Postdoctoral research fellow at the Institute for Knowledge Discovery

*2008 – 2010: **University of Washington**, Department of Computer Science, Seattle, WA, USA*

- 2008/05 – 2010/04   Postdoctoral research fellow

*2007 – 2008: **University of Graz**, Department of Applied Neuropsychology, Institute of Psychology, Austria*

- 2007/10 – 2008/04   Research associate

*2005 – 2016: **Clinic Judendorf-Straßengel**, Gratwein- Straßengel , Austria*

- 2005/10 – 2016/08   Technical manager, Institute for Neurological Rehabilitation and Research

*2001 – 2007: **Graz University of Technology**, Graz, Austria*

- 2005/05 – 2007/09   Research associate at the Institute for Knowledge Discovery
- 2003/01 – 2005/06   Research associate the Department of Medical Informatics
- 2001/09 – 2002/12   Research associate at the Ludwig Boltzmann Institute for Medical Informatics and Neuroinformatics

Research interests:

Research interests	Invasive and non-invasive Brain-Computer Interfaces (BCI), Statistical and Adaptive Signal Processing, Mobile Brain and Body Imaging, Robotic-mediated (Neuro)Rehabilitation, and Assistive Technology

Research activities:

2007/02	Short-term research visit at the Department of Electronic Engineering, Tohoku University, Sendai, Japan; Dr. Shin'Ichiro Kanoh
2006/02	Short-term research visit, Brain Research Laboratories, Dep. of Psychiatry, New York University School of Medicine, New York, USA; Prof. Roy John

2004/09   Short-term research mission, Dep. of Biomedical Engineering, University of Malaya, Kuala Lumpur, Malaysia; Prof. Sing Yau Goh

2003/06   Short-term research mission, Dep. of Biomedical Engineering, University of Michigan, Ann Arbor, USA; Prof. Simon Levine

Prizes and Awards:

2015/05   Austrian ScienceSlam Champion

2014/05   Research Prize HTI:Human-Technology-Interface for excellence in basic science in the Human-Technology-Interface field awarded by the state government of Steiermark, Austria.

2007/11   Best paper award for research paper "The Self-Paced Graz Brain-Computer Interface: Methods and Applications" from Styrian Brain Research Initiative (INGE-St)

2007/02   ARCO/BEEP Electronic Art Prize (category Off-ARCO) at ARCO 07, Madrid, Spain for Brainloop in cooperation with Davide Grassi

Professional service:

- Member of the Editorial Board for the "Brain-Computer Interfaces" Journal
- Review Editor for the "Frontiers in Neuroprosthetics" and "Frontiers in Robotics and AI" Journal
- Reviewer for journals IEEE Trans. Biomed. Eng., IEEE Trans. Neural Syst. Rehabil. Eng., IEEE Trans. Syst. Man Cybern. B, IEEE Trans. Human-Mach. Syst., IEEE Trans. Comput. Intell. AI in Games, Proc. IEEE, Comput. Intell. Neurosci., J. Neural Eng., Comput. Methods Programs Biomed., Neuroimage, Biomed. Signal Process. Control., Med. Eng. Phys., PloS One, PLoS Biol., Clin. Neurophysiol., Proc. Natl. Acad. Sci. U.S.A., Int. J. Neural Syst., Brain Res., Neural Net., Pattern Recognit. Lett., BioMed Res. Int., Biomed. Eng. Online, Front. Neurosci., Neurorehabil. Neural Repair , Disabil. Rehabil. Assist. Technol., J. Neuroeng. Rehabil., J. Neurosci. Methods, Int. J. Hum.-Comput. St., Int. J. Adv. Robot Syst., Nature Biomedical Engineering, Brain Topogr, Sci. Rep.
- Reviewer for conferences TOCHI, CHI, NIPS, IEEE SMC, IEEE NE, Int. BCI conference, Int. BCI meeting, ICNR, MICCA, ICMI, ICPR, SouthCHI, IEEE World Haptics, SYMBIOTIC, LAWCN
- Reviewer for French National Research Agency (ANR), Dutch Technology Foundation STW, Swiss National Science Foundation (SNSF), Wings for Life Spinal Cord Foundation, Academy of Finland, Netherlands Organisation for Scientific Research (NWO), Irish Research Council Laureate Awards Programme (IRCLA), National Science Center Poland, European Commission ERA-NET Neuron.
- Co-organizer of International Brain-Computer Interface Workshop & Training Course conference Series
- Member of the IEEE
- Member of the BCI Society
- Founding member of the Styrian Brain-Research Initiative (INGE-St) and executive board member

Research Projects (primary & co-investigator):

National   Gehirnzentrale, Province of Steiermark, Austria, 2016/6-2018/06

rE(EG)map!, Province of Steiermark (HTI:Tech_for_Med), 2014/07 – 2016/06.

Moderne (NICHT-)Wissensgesellschaft, Province of Steiermark, Austria, 2014/07 – 2017/03.

bci4rehab, Province of Steiermark, Austria, 2011/05 – 2012/07.

MOVEMENTs (Austrian Research Promotion Agency) 2012/05 –2012/10.

International   EC FP7 *BrainAble* (Autonomy and social inclusion through mixed reality Brain-Computer Interfaces: Connecting the disabled to their physical and social world), 2010 – 2012.

EC FP7 *Better* (Brain-Neural Computer Interaction for Evaluation and Testing of Physical Therapies in Stroke Rehabilitation of Gait Disorders), 2010-2012.

EC FP7 *ABC* (Augmented Brain-Computer Interface Communication), 2011 – 2015.