

**PD. Dr.-Ing.
Stefan Glasauer**

Center of Sensorimotor Research
Department of Neurology
Ludwig-Maximilian University München
81377 München, Germany
<http://www.nefo.med.uni-muenchen.de/~sglasauer>
eMail: [sglasauer \[at\] nefo-med.uni-muenchen.de](mailto:sglasauer@nefo-med.uni-muenchen.de)
Tel.: +49-89-7095-4839



Born October 3, 1963

Career

- 1993 - present Senior researcher and coordinator of the Center of Sensorimotor Research, Dept. of Neurology, Ludwig-Maximilian University München, Germany
- 1991 - 1993 Postdoctoral researcher LPPA, Collège de France – CNRS, Paris, France

Research Interests

processing of vestibular information, perception of spatial orientation, path integration, working memory, perception of space and time, ocular motor control, visual processing for eye movements, cerebellar function in primates, grip force control, postural control, color perception

Honours

- . Scholarship award from the Barany Society, 2000
- . Best poster award, European Neurological Society, 1999
- . Postdoctoral scholarship award from the Centre National de la Recherche Scientific (CNRS), 1991-1993
- . Doctoral scholarship award from the Max-Planck-Society, 1988-1991

Activities/Competence

- . Member of the Program Committee of the 51th Meeting of the German Society for Clinical Neurophysiology and Functional Imaging, 2007
- . Principal Investigator of the Bernstein Center of Computational Neuroscience Munich, 2005-
- . Member of the Study Group Artificial Gravity, International Academy of Astronautics, 2004-2006
- . Member of the Program Committee of the IEEE International Conference on Computational Cybernetics ICC 2004
- . Member of the ESA Topical Team "Sensorimotor Adaptation and Motor Coordination in Reduced Gravity" 2000-2003

Most Important Relevant Publications (Selected)

- [1] T. Brandt, **S. Glasauer**, E. Schneider. A third eye for the surgeon. *J Neurol Neurosurg Psychiatry*, 77: 278, 2006
- [2] **S. Glasauer**. Cerebellar contribution to saccades and gaze holding: a modelling approach. *Ann NY Acad Sci*, 1004: 206-219, 2003
- [3] **S. Glasauer**. Vestibular and motor processing for head direction signals. In: *Head direction cells and the neural mechanisms of spatial orientation* (Wiener SI, Taube JS, eds.), MIT Press 2005, pp 113-136
- [4] **S. Glasauer**, M.A. Amorim, I. Viaud-Delmon, A. Berthoz. Differential effects of labyrinthine dysfunction on distance and direction during blindfolded walking of a triangular path. *Exp Brain Res*, 145: 489-497, 2002
- [5] **S. Glasauer**, M. Dieterich, T. Brandt. Central positional nystagmus simulated by a mathematical ocular motor model of otolith-dependent modification of Listing's plane. *J Neurophysiol*, 86: 1546-1554, 2001
- [6] **S. Glasauer**, M. Hoshi, U. Kempermann, T. Eggert, U. Buttner. Three-dimensional eye position and slow phase velocity in humans with downbeat nystagmus. *J Neurophysiol*, 89:338-354, 2003
- [7] **S. Glasauer**, E. Schneider, K. Jahn, M. Strupp, T. Brandt. How the eyes move the body. *Neurology*, 65: 1291-1293, 2005
- [8] W. Gunthner, **S. Glasauer**, P. Wagner, H. Ulbrich. Biologically inspired multi-sensor fusion for adaptive camera stabilisation of driver assistance systems. In: *Advanced Microsystems for Automotive Applications* (Valldorf J, Gessner W, eds.), Springer Berlin 2006, pp 107-122
- [9] T. Mergner, **S. Glasauer**. A simple model of vestibular canal-otolith signal fusion. *Ann NY Acad Sci*, 871, 430-434, 1999
- [10] D. Nowak, **S. Glasauer**, J. Hermsdorfer. How predictive is grip force control in the complete absence of somatosensory feedback? *Brain*, 127: 182-192, 2004