

Curriculum Vitae

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Dr. Christian Scharinger

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Education

08/2010-11/2015	PhD (Dr. rer. nat.) in Cognitive Science, University of Tübingen
10/2000-07/2007	Undergraduate studies in Linguistics, Computer and Information Sciences, and Art and Media Sciences, University of Trier and University of Konstanz (M.A.)

Professional Experience

10/2017-today	Postdoc, Multimodal Interaction Lab, Leibniz-Institut für Wissensmedien (IWM) Tübingen
02/2017-09/2017	Postdoc, Applied Cognitive Psychology and Media Psychology, University of Tübingen, and Research Associate, Multimodal Interaction Lab, Leibniz-Institut für Wissensmedien Tübingen
11/2015-01/2017	Post-doctoral Researcher, Multimodal Interaction Lab, Leibniz-Institut für Wissensmedien Tübingen
08/2010-10/2015	Post-graduate Research Assistant and PhD student, Multimodal Interaction Lab, Leibniz-Institut für Wissensmedien Tübingen
03/2010-07/2010	Post-graduate Research Assistant, DFG Research Group "Person Perception", Department of General Psychology, Friedrich-Schiller University of Jena
02/2009-02/2010	Usability Engineer, Portal Design and Production, WEB.DE, Karlsruhe
08/2005-10/2005	Internship, Max Planck Institute for Human Cognitive and Brain Sciences Leipzig
09/2004-06/2006	Student Research Assistant, Department of Linguistics, University of Konstanz

Professional Activities

Ad-hoc reviewer:	Applied Cognitive Psychology, Biological Psychology, Brain Research, Brain Topography, Cognition, Computers & Education, Frontline Learning Research, Journal of Computer-assisted Learning, Learning and Individual Differences, PloS ONE, Psychophysiology, Scientific Reports
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Membership in Scientific Societies

Deutsche Gesellschaft für Psychologie (DGPS)

Scholarships

2016 DAAD travel grant (€ 2.056), Annual Meeting of the Society for Psychophysiological Research (SPR), Minneapolis, US.

Third-Party Funding

10/2018-10/2021 **Scharinger, C.** Potentials of neurophysiological measures for research on instructional design: The case of decorative pictures. Research Grant, Deutsche Forschungsgemeinschaft (DFG), SCHA 2137/1-1 (€ 338.930)

01/2015-12/2016 Gerjets, P., Rosenstiel, W. , Bogdan, M., **Scharinger, C.**, Walter, C. Brain Computer Interfaces and workload-adaptive informational environments II. Leibniz ScienceCampus Tübingen (€ 240.000)

01/2013-12/2014 Gerjets, P., Rosenstiel, W. , Bogdan, M., Pape, A., **Scharinger, C.**, Walter, C. Brain Computer Interfaces and workload-adaptive informational environments I. Leibniz ScienceCampus Tübingen (€ 240.000)

Publications

Appel, T., **Scharinger, C.**, Gerjets, P., & Kasneci, E. (2018). Cross-subject workload classification using pupil-related measures. *Proceedings of the 2018 ACM Symposium on Eye Tracking Research & Applications - ETRA '18*. New York, NY, USA: ACM.

Grissmann, S., Faller, J., **Scharinger, C.**, Spüler, M., & Gerjets, P. (2017). Electroencephalography based Analysis of Working Memory Load and Affective Valence in an N-back Task with Emotional Stimuli. *Frontiers in Human Neuroscience*, 11:616.

Grissmann, S., Spüler, M., Faller, J., Krumpe, T., Zander, T. O., Kelava, A., **Scharinger, C.**, & Gerjets, P. (2017). Context sensitivity of EEG-based workload classification under different affective valence. *IEEE Transactions on Affective Computing*.

Scharinger, C., Soutschek, A., Schubert, T., & Gerjets, P. (2017). Comparison of the working memory load in n-back and working memory span tasks by means of EEG frequency band power and P300 amplitude. *Frontiers in Human Neuroscience*, 11(6).

Spüler, M., Krumpe, T., Walter, C., **Scharinger, C.**, Rosenstiel, W., & Gerjets, P. (2017). Brain-computer interfaces for educational applications. In J. Buder & F. Hesse (Eds.), *Informational Environments: Effects of Use, Effective Designs* (pp. 177-201). Cham, Switzerland: Springer International Publishing.

Scharinger, C., Kammerer, Y., & Gerjets, P. (2016). Fixation-related EEG frequency band power analysis: a promising neuro-cognitive methodology to evaluate the matching-quality of web search results? In C. Stephanidis (Ed.), *Communications in Computer and Information Science Series*, Vol. 617 (S. 245-250). Cham: Springer International Publishing.

Scharinger, C., Kammerer, Y., & Gerjets, P. (2015). Pupil dilation and EEG alpha frequency band power reveal load on executive functions for link-selection processes during text reading. *PLoS ONE*, 10, e0130608.

Scharinger, C., Soutschek, A., Schubert, T., & Gerjets, P. (2015). When flanker meets the n-back: What EEG and pupil dilation data reveal about the interplay between the two central-executive working memory functions inhibition and updating. *Psychophysiology*, 52, 1293-1304.

Book Chapter

Spüler, M., Krumpe, T., Walter, C., **Scharinger, C.**, Rosenstiel, W., & Gerjets, P. (2017). Brain-computer interfaces for educational applications. In J. Buder & F. Hesse (Eds.), *Informational Environments: Effects of Use, Effective Designs* (pp. 177-201). Cham, Switzerland: Springer International Publishing.

Teaching / Supervisor Experience

Summer term 2018	<i>Wirtschaftspsychologie II.</i> (gemeinsam mit Annika Scholl und Sonja Utz; Themenblock: Usability und User Experience). Vorlesung. Universität Tübingen. (<i>Economic Psychology II.</i> Lecture together with Annika Scholl and Sonja Utz; sessions: <i>Usability and User Experience</i> . University of Tübingen.)
Winter term 2017/18	<i>Einfach und gerne zu nutzen? Usability und User Experience digitaler Wissensmedien.</i> Forschungsseminar. Universität Tübingen. (<i>Easy and enjoyable to use? Usability and user experience of digital knowledge media.</i> Research seminar. Applied Cognitive Psychology and Media Psychology, University of Tübingen.)
Summer term 2017	<i>Digitale Informationsumgebungen – Kognitive Prozesse.</i> Seminar. Universität Tübingen. (<i>Digital informational environments – cognitive processes.</i> Seminar. Applied Cognitive Psychology and Media Psychology, University of Tübingen.) <i>Datenerhebung und Auswertung.</i> Praktikum Bachelor Psychologie. Universität Tübingen. (<i>Research Methods.</i> Bachelor Psychology, University of Tübingen)
Summer term 2016	<i>Kognitive Belastung.</i> Seminar. Universität Tübingen. (<i>Cognitive Load.</i> Seminar. Applied Cognitive Psychology and Media Psychology, University of Tübingen)
Since 2011	Supervision of Bachelor and Diploma thesis in Psychology / Cognitive Science (together with Prof. Gerjets)