

CURRICULUM VITAE

University of Idaho

NAME: Werner, Steffen

DATE: 1/2020

RANK OR TITLE: Associate Professor

DEPARTMENT: Psychology Department

OFFICE LOCATION AND CAMPUS ZIP: Stud. Health 008A, 3043

OFFICE PHONE: 208-885-9241

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DATE OF FIRST EMPLOYMENT AT UI: July 23, 2000

DATE OF TENURE: 2003

DATE OF PRESENT RANK OR TITLE: 2003

EDUCATION BEYOND HIGH SCHOOL:

Degrees:

Ph.D., University of Göttingen, Göttingen, Germany, 1994, Exp. Psychology, (Dr. rer. nat.)
M.A., University of Göttingen, Göttingen, Germany, 1991, Psychology, (Dipl.-Psych.)
Pre-Diploma, University of Göttingen, Göttingen, Germany, 1989, Mathematics, (Vordiplom)
Pre-Diploma, University of Göttingen, Göttingen, Germany, 1989, Psychology, (Vordiplom)

EXPERIENCE:

Teaching, Extension and Research Appointments:

2012-13, Director, University of Idaho Interdisciplinary Neuroscience Program
2010-11, Visiting Professor, Institute of Psychology, University of Göttingen, Germany
2004-present, Associate Professor, Interdisciplinary Neuroscience Program, University of Idaho, Moscow, Idaho
2003-present, Associate Professor, Department of Psychology, University of Idaho, Moscow, Idaho
2000-2003, Assistant Professor, Department of Psychology, University of Idaho, Moscow, Idaho
1996-2000, Assistant Professor (C1), Institute of Psychology, University of Göttingen, Germany
1995-96, Postdoctoral Fellow, Department of Brain and Cognitive Sciences, Massachusetts Institute of Technology, Massachusetts
1994-95, Research Assistant and Lecturer (C1), Institute of Psychology, University of Göttingen, Germany
1991-94, Graduate Research Assistant, Institute of Psychology, University of Göttingen, Germany
1990, 3-Month Internship at the German Research Center for Artificial Intelligence (DFKI), Kaiserslautern, Germany
1988-91, Undergraduate Research Assistant, Institute of Psychology, University of Göttingen, Germany

Consulting:

1997-99, Consultant to reorganize the wayfinding system of the City Hall of Göttingen
1998-99, Development of a wayfinding system for a new police office building (>200 offices) in Göttingen, Germany

TEACHING ACCOMPLISHMENTS:

Areas of Specialization:

Cognitive Psychology, Human Factors, Cognitive Neuroscience, Spatial Cognition, High-level Perception, Human-Computer Interaction, User Experience, Research Methods, Experimental Psychology

Courses Taught:

Cognitive Science

Cognitive Psychology (undergraduate and graduate level, on-campus and via the web)

Cognitive Neuroscience

Topics in Neuroscience Graduate Seminar

Perception

Memory (undergraduate seminar)

Applied Psychology / Human Factors

Human-Computer Interaction

Design, Technology, and the Human User

UX Design I: Basic Techniques

UX Design II: Advanced Techniques

Applied Cognitive Psychology

Neuroergonomics & Augmented Cognition

Engineering Psychology

Research Methods / Statistics

Research Methods (undergraduate and graduate level)

Experimental Psychology Laboratory Courses I & II

Statistics

Students Advised:

Undergraduate Students: On average 4-35 per year

Graduate Students:

University of Idaho:

Advised to Completion of Degree-Major Professor:

Thomas Ulrich, Ph.D., Experimental Psychology, 2017

Michael Hammes, M.S., Psychology, 2016

Christopher Hauck, M.S., Psychology, 2016

Michelle Hester, M.S., Psychology, 2016

Erin Morrissey, M.S., Psychology, 2016

Connor Hoover, M.S., Psychology, 2015

Daniel Choates, M.S., Psychology, 2015

Joseph Vargas, M.S., Psychology, 2015

Nicole Sanders, M.S., Psychology, 2014

Krutika Gohil, M.S., Psychology, 2014

Michael Teske M.S., Psychology, 2010

Kylie Pfeifer, M.S., Psychology, 2010

Robert Bastholm, M.S., Psychology, 2010

Brad Hagoski, M.S., Psychology, 2007

Korey Johnson, M.S., Psychology, 2007

Derek Viita, M.S., Psychology, 2006

Jayne Jacobson, M.S., Psychology, 2005

Thomas Sneed, M.S., Psychology, 2004

Andreas Finkelmeyer, M.S., Psychology, 2002

Current Advisees:

Graduate: Lakna Jayasinghe, Andrew Perry, Kellen Probert (PhD), Nathan Minard, Isaiah Samuel, Lucas Terry
Undergraduate: approx. 15-20

Advised in other functions

Korey Johnson et al.: VIEW Business plan competition, 2nd place (2007)
Scott Falconer & J.R.Pekola: VIEW business plan competition, 1st place (2007)

Graduate Student Served on graduate committee:

Leah Zulas, Ph.D. (WSU), 2014
Clinton Culp, Ph.D. (University of Idaho), 2012
Thomas Ulrich, M.S., 2011
Andrew Schaudt, M.S., 2007
Roger Lew, M.S., 2007
Shawnee Williams, M.S., 2007
Suzanne Anderson, M.S., 2006
Elaine Green, MFA., 2005
David Bucy, Ph.D., 2005
Kristin Caufield, 2004
Kelli Tunnicliff-Kludt, M.S., 2002

University of Göttingen:

Advised to Completion of Degree-Major Professor:

Thomas Schmidt, Ph.D., Psychology, January 2002
Christina Saade, Ph.D., Psychology, April 2001
Vanessa Jainek, Dipl.-Psych., M.S., August 22, 2002
Dr. Julia Trommershaeuser, Dipl.-Psych., M.S., November 6, 2001
Bjoern Rump, Dipl.-Psych., M.S., October 10, 2001
Andreas Finkelmeyer, Dipl.-Psych., M.S., October 27, 2000
Kristine Schmidt, Dipl.-Psych., M.S., March 22, 2000
Ulrich Trautwein, Dipl.-Psych., M.S., January 18, 1999
Joern Diedrichsen, Dipl.-Psych., M.S., January 20, 1999
Stefanie Wolf, Dipl.-Psych., M.S., April 29, 1999
Bjoern Thies, Dipl.-Psych., M.S., December 4, 1998

Non-credit Classes, Workshops, Seminars, Invited Lectures, etc.:

Werner, S. (September, 2002). Spatial Cognition and Navigation: The Viewer and the Build Environment. Guest lecture for ART 110, University of Idaho, Moscow, Idaho.

SCHOLARSHIP ACCOMPLISHMENTS:

Publications, Exhibitions, Performances, Recitals:

Refereed/Adjudicated:

Journal Articles:

Jacobson, J. & Werner, S. (2004). Why cast shadows are expendable: Insensitivity of human observers and the inherent ambiguity of cast shadows in pictorial art. *Perception*, 33, 1369-1383.

Diedrichsen, J., Werner, S., Schmidt, T., & Trommershäuser, J. (2004). Immediate spatial distortions of pointing movements induced by visual landmarks. *Perception & Psychophysics*. 66, 89-103.

McNamara, T.P., Rump, B., & Werner, S. (2004). Egocentric and geocentric frames of

- reference in memory of large-scale space. *Psychonomic Bulletin & Review*. 10, 589-595.
- Werner, S. & Schindler, L.E. (2004). Misaligned local reference systems in floorplan layout impair wayfinding performance. *Environment & Behavior*. 36, 461-482.
- Werner, S. (2002). Cognitive spatial reference systems and their role in human factors design. *Künstliche Intelligenz (KI)*, 15(3), 10-13.
- Werner, S. and Diedrichsen, J. (2002). The time course of spatial memory distortions. *Memory & Cognition*, 30(5), 717-729.
- Trautwein, U. and Werner, S. (2001). Old Paintings, New Technology: Does Instructive Animation Make Sense in Art Education? *Journal of Educational Multimedia and Hypermedia*, 10, 253-373.
- Saade, C. and Werner, S. (2000). Flexibilität mentaler Repräsentationen räumlicher Information in Abhängigkeit von der Erwerbsperspektive [The role of perspective on the flexibility of spatial mental representation]. *Zeitschrift für experimentelle Psychologie*, 47, 180-194.
- Werner, S. and Thies, B. (2000). Is “change blindness” attenuated by domain-specific expertise? An expert-novices comparison of change detection in football images. *Visual Cognition*, 7, 163-173.
- Werner, S. and Habel, C. (1999). Spatial reference systems (editorial). *Spatial Cognition and Computation*, 1(4), iii-vii.
- Werner, S. and Schmidt, K. (1999). Environmental reference systems for large-scale spaces. *Spatial Cognition and Computation*, 1(4), 447-473.
- Werner, S. (1996). What images are not: Some limitations of visual mental images. *Psychologische Beiträge*, 38, 279-292.

Book Chapters:

- Werner, S. and Long, P. (2003). Cognition meets LeCorbusier: Cognitive principles of architectural design. To appear in C. Freksa, et al. (Eds.), *Spatial Cognition III*. (pp. 112-126). Berlin: Springer.
- Werner, S. (2001). *Change blindness*. In D. Janetzko, H.A. Meyer, and M. Hildebrandt (Eds.). *Das experimentalpsychologische Praktikum*. Göttingen: Hogrefe
- Werner, S., Krieg-Brückner, B., and Herrmann, T. (2000). Modelling spatial knowledge by route graphs. In C. Freksa, W. Brauer, C. Habel, and K.F. Wender (Eds.), *Spatial Cognition II - Integrating Abstract Theories, Empirical Studies, Formal Methods, and Practical Applications*, LNAI 1849 (pp. 295-316). Berlin: Springer.
- Werner, S. and Schmidt, T. (2000). Investigating spatial reference systems through distortions in visual memory. In C. Freksa, W. Brauer, C. Habel, and K.F. Wender (Eds.), *Spatial Cognition II - Integrating Abstract Theories, Empirical Studies, Formal Methods, and Practical Applications*, LNAI 1849 (pp. 169-183). Berlin: Springer.
- Werner, S., Saade, C., and Lüer, G. (1998). Relations between the mental representation of extrapersonal space and spatial behavior. In K.-F. Wender, C. Freksa and C. Habel (Eds.), *Spatial Cognition - An Interdisciplinary Approach to Representing and Processing Spatial Knowledge*, LNAI 1404 (108-127). Berlin: Springer.

Lüer, G., Werner, S., and Lass, U. (1995). Repräsentation analogen Wissens im Gedächtnis [Representation of analog knowledge in memory]. In E. van der Meer and D. Dörner (Hrsg.), *Das Gedächtnis*. Göttingen: Hogrefe.

Lass, U., Lüer, G., Ulrich, M., and Werner, S. (1993). Access to analog representations in memory for visually perceived forms: The facilitating effect of declarative knowledge. In G. Strube and K.F. Wender (Eds.), *The Cognitive Psychology of Knowledge*, 75-96. Amsterdam: Elsevier.

Proceedings Articles and Abstracts:

Cain, A.A., Werner, S., & Still, J.D. (2017). *Graphical Authentication Resistance to Over-the-Shoulder-Attacks*. CHI EA '17, Proceedings of the 2017 CHI Conference Extended Abstracts on Human Factors in Computing Systems, May 6-11, 2017, Denver, CO, pp. 2416-2422.

Lew, R., Ulrich, T.A., Boring, R.L., & Werner, S. (2017, September). Applications of the Rancor microworld nuclear power plant simulator. 2017 Resilience Week (RWS). Wilmington, DE, September 18-22. 10.1109/RWEEK.2017.8088663

Ulrich, T. A., Lew, R., Werner, S., & Boring, R. L. (2017, September). Rancor: A Gamified Microworld Nuclear Power Plant Simulation for Engineering Psychology Research and Process Control Applications. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*, (61)1, pp. 398-402. Sage CA: Los Angeles.

Ulrich T.A., Boring R.L., Werner S., Lew R. (2017). A Comparison of an Attention Acknowledgement Measure and Eye Tracking: Application of the as Low as Reasonable Assessment (ALARA) Discount Usability Principle for Control System Studies. *Lecture Notes in Computer Science*, 10284, 251-260.

Hester, M., Werner, S., Greenwald, C., & Gunning, J. (2016). *Exploring the Effects of Text Length and Difficulty on RSVP Reading*. Proceedings of the the 60th Annual Meeting of the Human Factors and Ergonomics Society, September 19-23, 2016, Washington, DC, pp. 1293-1297.

Ulrich, T.A., Werner, S., & Boring, R.L. (2016). *Change Detection for Measuring Attention Allocation: A New Approach for Capturing Situation Awareness*. Proceedings of the the 60th Annual Meeting of the Human Factors and Ergonomics Society, September 19-23, 2016, Washington, DC, pp. 1806-1810.

Ulrich, T., Werner, S., Lew, R., & Boring, R.L. (2016). *COSSplay: Validating a Computerized Operator Support System Using a Microworld Simulator*. HCI International 2016, Toronto, Canada, July 17-22, 2016. Communications in Computer and Information Science, (617), pp 161-166.

Werner, S., Hauck, C., & Masingale, M. (2016). *Password Entry Times for Recognition-based Graphical Passwords*. Proceedings of the the 60th Annual Meeting of the Human Factors and Ergonomics Society, September 19-23, 2016, Washington, DC, pp. 754-758.

Werner, S., Hauck, C., Roome, N., Hoover, C., & Choates, D. (2015). *Can VoiceScapes Assist in Menu Navigation*. Proceedings of the the 59th Annual Meeting of the Human Factors and Ergonomics Society, October 26-30, 2015, Los Angeles, California.

Ulrich, T., Werner, S., & Boring, R. (2015). *Studying SA on a Shoestring Budget: An Example of an Inexpensive SA Simulation Environment for Theoretical Research*. Proceedings of the the 59th Annual Meeting of the Human Factors and Ergonomics Society, October 26-30, 2015, Los Angeles, California.

- Werner, S. & Hoover, C. (2014). The Potential of Narrative Passwords for Cognitive Authentication Systems. Poster presented at the Annual Meeting of the Psychonomic Society, November 20-23, 2014, Long Beach, CA.
- Hoover, C., Cohen, R. & Werner, S. (2014). *Cognitive Authentication and Narrative Passwords*. Proceedings of the the 58th Annual Meeting of the Human Factors and Ergonomics Society, October 27-31, 2014, Chicago, Illinois.
- Werner, S. (2014). The Steering Wheel as a Touch Interface: Using Thumb-Based Gesture Interfaces as Control Inputs While Driving. *AutomotiveUT'14 Adjunct Proceedings*, Sep 17-19 2014, Seattle, WA, USA. ACM 978-1-4503-0725-3/14/09. <http://dx.doi.org/10.1145/2667239.2667299>
- Ulrich, T.A., Spielman, Z., Holmberg, J., Hoover, C., Sanders, N., Gohil, K., & Werner, S. (2013). *Playing Charades With Your Car – The Potential of Free-form and Contact-based Gestural Interfaces for Human Vehicle Interaction*. Proceedings of the the 57th Annual Meeting of the Human Factors and Ergonomics Society, September 30-October 4, 2013, San Diego.
- Dyre, B.P., Adamic, E.J., Werner, S., Lew, R., Gertman, D.I., & Boring, R.L. (2013). *A Microworld Simulator for Process Control Research and Training*. Proceedings of the the 57th Annual Meeting of the Human Factors and Ergonomics Society, September 30-October 4, 2013, San Diego.
- Connor Hoover, Nathan Minard, Thomas Hsu, & Steffen Werner (2013). *Using an Adaptive Recognition Approach to Measure Information Retention in Story-based Passwords*. Poster presented at the 15th annual NOWCAM, 15th-18th May, 2013, Surrey, Canada.
- Werner, S. & Hoover, C. (2012). Cognitive approaches to password memorability – the possible role of story-based passwords. In *Proceedings of the HFES 56th Annual Meeting, Boston, October 22-26, 2012*.
- Werner, S. (2012). GoCognitive – free online resources for cognitive neuroscience. *Poster presented at the Annual Meeting of the Psychonomic Society, Minneapolis, November 15-18, 2012*.
- Lew, R., Dyre, B.P., Soule, T., Ragsdale, S.A., & Werner, S. (2010). Assessing Mental Workload From Skin Conductance and Pupillometry Using Wavelets and Genetic Programming. In *Proceedings of the 54th annual meeting of the Human Factors and Ergonomics Society*. San Francisco, CA.
- Werner, S. (2009). Flash/XML based experimentation shells for psychological research. Paper presented at the 39th Annual Meeting of the Society for Computers in Psychology, Boston, MA, Thursday, November 19, 2009.
- Werner, S. (2008). GoCognitive.net – a new online center for teaching materials. *Poster presented at the annual meeting of the Psychonomic Society, November 13–16, 2008, Chicago*.
- Johnson, K. & Werner, S. (2008). Graphical User Authentication – A comparative evaluation of Composite Scene Authentication (CSA) vs. three competing graphical passcode systems (Passfaces, VIP, PassPoints). In *Proceedings of the 52nd annual meeting of the Human Factors and Ergonomics Society*. Baltimore, MD.
- Lew, R., Dyre, B., Wotring, B. Werner, S., & Tran, T. (2008). Exploring the Potential of Short-Time Fourier Transforms for Analyzing Skin Conductance and Pupillometry in Real-Time Applications. In *Proceedings of the 52nd annual meeting of the Human Factors and Ergonomics Society*. Baltimore, MD.

- Johnson, K. & Werner, S. (2007, September). Memorability of Alphanumeric and Composite Scene Authentication (CSA) Passcodes Over Extended Retention Intervals. In *Proceedings of the 51st annual meeting of the Human Factors and Ergonomics Society*, 434-438. Baltimore, MD.
- Johnson, K. & Werner, S. (2006, October). Using Composite scene authentication (CSA) as a graphical alternative to alphanumeric password systems. In *Proceedings of the 50th annual meeting of the Human Factors and Ergonomics Society*, 661-665. San Francisco, CA.
- Viita, D. & Werner, S. (2006, October). Alignments Effects on Simple Turn Decisions in Track-up and North-up Maps. In *Proceedings of the 50th annual meeting of the Human Factors and Ergonomics Society*, 1519-23. San Francisco, CA. (*awarded best student presentation by HFES Perception and Performance Technical Group)
- Jainek, V., Werner, S., and Schmidt, T. (2002). Der Einfluß natürlicher Referenzsysteme auf das räumliche Gedächtnis. In H.H. Bühlhoff et al. (Eds.), *Beiträge zur 5. Tübinger Wahrnehmungskonferenz*, 170.
- Trommershäuser, J., Schmidt, T., and Werner, S. (2002). Aufmerksamkeitsabhängige Verzerrungen im visuellen Kurzzeitgedächtnis. In H.H. Bühlhoff et al. (Eds.), *Beiträge zur 5. Tübinger Wahrnehmungskonferenz*, 187.
- Werner, S. (2002). Square or Diamond? How Semantics can Determine Spatial Reference Selection in Memory. Accepted for presentation at the 42nd Annual Meeting of the Psychonomic Society.
- Werner, S. and Finkelmeyer, A.E. (2002). Reusable simulations and interactive learning experiences in human factors education. *Proceedings of the Human Factors and Ergonomics Society 46th Annual Meeting – 2002*, 779-782.
- Werner, S. and Jaeger, M. (2002). Intrinsic reference systems in map displays. *Proceedings of the Human Factors and Ergonomics Society 46th Annual Meeting – 2002*, 1628-1632.
- Finkelmeyer, A.E. and Werner, S. (2001). The role of gravity in human spatial memory. *Proceedings of the Human Factors and Ergonomics Society 45th Annual Meeting - 2001*, 140-143.
- Schmidt, T. and Werner, S. (2001). Symmetry properties of spatial distortions in visual memory In H.H. Bühlhoff et al. (Eds.), *Beiträge zur 4. Tübinger Wahrnehmungskonferenz*, 97.
- Werner, S. (2001). Role of environmental reference systems in human spatial memory. *Abstracts of the Psychonomic Society, 42nd Annual Meeting*, 15-18 November 2001, Orlando, 6, 43.
- Schmidt, T. and Werner, S. (2000). Spatial distortions in visual memory do not form a linear system. *Abstracts of the Psychonomic Society, 41st Annual Meeting of the Psychonomic Society*, 16-19 November, 2000, New Orleans, 5, 64.
- Schmidt, T. and Werner, S. (2000). Räumliche Verzerrungen im visuellen Gedächtnis: Ein lineares System? In H.H. Bühlhoff et al. (Eds.), *Beiträge zur 3. Tübinger Wahrnehmungskonferenz*, 136.
- Werner, S. and Diedrichsen, J. (1999). The time course of spatial memory distortions. *Abstracts of the Psychonomic Society, 40th Annual Meeting of the Psychonomic Society*, Los Angeles, 4, 37.
- Werner, S. and Wolf, S. (1998). Einfluß ego- und allozentrischer Referenzsysteme auf die Verfügbarkeit räumlicher Information. In H.H. Bühlhoff et al. (Eds.), *Beiträge zur 1. Tübinger Wahrnehmungskonferenz*, 31.

Werner, S., Krieg-Brückner, B., Mallot, H.A., Schweizer, K. and Freksa, C. (1997). Spatial cognition: The role of landmark, route, and survey knowledge in human and robot navigation. In M. Jarke, K. Pasedach, and K. Pohl (Eds.), *Informatik '97* (41-50). Berlin: Springer.

Werner, S. (1996). Semantic priming of the perception of unfamiliar bistable line-drawings. *Abstracts of the Psychonomic Society, 37th Annual Meeting of the Psychonomic Society*, November 1-3, Chicago, 1.

Peer Reviewed/Evaluated:

Werner, S. (2001). Kognition im Umraum [Review of the book *Kognition im Umraum*]. *Zeitschrift für Psychologie*

Gehrke, J., Hommel, B., May, M., Mecklenbräuker, S., and Werner, S. (1998). Raum und Handlung: Bericht über ein Arbeitstreffen. *Kognitionswissenschaft*, 7, 89-90.

Werner, S. (1994). Reinterpretation mental konstruierter Vorstellungsbilder - Eine kritische Auseinandersetzung mit der Annahme struktureller Äquivalenz von Vorstellungen und Wahrnehmungsbildern [Reinterpretation of mentally constructed visual images: a critical analysis of the structural equivalence between mental images and visual percepts]. Göttingen: Cuvillier.

Patents:

Werner, S., Caltagirone, S., & Johnson, K. (2007). *Method for Generating and Using Composite Scene Passcodes*. Final Patent Application, filed 10/15/2007 with U.S. Patent and Trademark Office.

Werner, S., Caltagirone, S., & Johnson, K. (2006). *Method for Generating and Using Composite Scene Passcodes*. Provisional Patent Application, filed 10/13/2006 with U.S. Patent and Trademark Office.

Websites produced

Werner, S. (2008-present). GoCognitive.net.
Site-statistics as of 1/25/2018 (Google Analytics):
Total visits: 812,758; Unique visitors: 600,560
Page views: 1,738,351; Average page views: 2.14; Time on site: 2:22 min

Interviews produced/conducted:

Werner, S. (2012). The Neuroscience of Declarative Memory – Interview with Larry Squire, University of California San Diego. Available through goCognitive and youTube channel. *Total run-time: 24:12 minutes (partial edit), 6 individual video clips, total views (as of 1/21/2013): 1,637.*

Werner, S. (2012). Long-term Memory – Interview with Robert Bjork, University of California Los Angeles. *Total run-time: 1:07:57 hours, 13 individual video clips, total views (as of 1/21/2013): 3,448.*

Werner, S. (2011). The Neuroscience of Language – Interview with Angela Friederici, Max-Planck Institute for Cognitive Neuroscience, Leipzig, Germany. Available through goCognitive and youTube channel. *Total run-time: 1:48:07 hours, 26 individual video clips, total views (as of 1/21/2013): 9,203.*

Werner, S. (2011). Mirror Neurons – Interview with Giacomo Rizzolatti, University of Parma, Parma, Italy. Available through goCognitive and youTube channel. *Total run-time: 1:06:37 hours, 19*

individual video clips, total views (as of 1/21/2013): 11,095.

- Werner, S. (2011). The Science of Decision Making – Interview with Gerd Gigerenzer, Ph.D. Max-Planck Institute for Human Development, Berlin, Germany. Available through goCognitive and youTube channel. *Total run-time: 1:39:00 hours, 17 individual video clips, total views: 13,313.*
- Werner, S. (2011). Synesthesia – Interview with Jamie Ward, University of Sussex, United Kingdom. Available through goCognitive and youTube channel. *Total run-time: 52:00 minutes, 18 individual video clips, total views (as of 1/21/2013): 15,447.*
- Werner, S. (2011). Human-Brain Computer Interfaces–Interview with Niels Birbaumer. Interview conducted December 8th, 2010, University of Tübingen, Germany. *Total run-time: 1:06:07 hours, 16 individual video clips, total views (as of 1/21/2013): 3,853*
- Werner, S. (2010). Working Memory–Interview with Alan Baddeley. Interview conducted October 5th, 2010. University of York, York, United Kingdom. *Total run-time: 1:52:33 hours, 27 individual video clips, total views (as of 1/21/2013): 53,597.*
- Werner, S. (2010). Models of Attention–Interview with Michael Posner. University of Oregon, Eugene, OR. *Total run-time: 55:48 minutes, 3 individual video clips.*
- Werner, S. (2010). Short-Term Memory Capacity –Interview with Edward Awh. University of Oregon, Eugene, OR. *Total run-time: 46:52 minutes, 3 individual video clips.*
- Werner, S. (2010). Driver Distraction–Interview with David Strayer (University of Utah). University of Idaho, Moscow, ID. *Total run-time: 30:49 minutes, 3 individual video clips.*
- Werner, S. (2010). Mild Cognitive Impairment–Interview with Maureen Schmitter-Edgecombe (Washington State University). University of Idaho, Moscow, ID. *Total run-time: 35:14 minutes, 3 individual video clips.*
- Werner, S. (2009). Neuroplasticity–Interview with Ione Fine. University of Washington, Seattle, WA. *Total run-time: 35:14 minutes, 3 individual video clips.*
- Werner, S. (2009). Visual Attention and fMRI Studies –Interview with Geoff Boynton. University of Washington, Seattle, WA. *Total run-time: 54:24 minutes, 3 individual video clips.*
- Werner, S. (2009). Visual Perception–Interview with Scott Murray. University of Washington, Seattle, WA. *Total run-time: 19:53 minutes, 1 video clip.*
- Werner, S. (2009). The Sense of Smell–Interview with Kevin Kelliher. University of Idaho, Moscow, ID. *Total run-time: 48:10 minutes, 3 individual video clips.*
- Werner, S. (2009). Neurogenesis–Interview with Deborah Stenkamp. University of Idaho, Moscow, ID. *Total run-time: 24:48 minutes, 2 individual video clips.*
- Werner, S. (2009). Spatial Hemineglect and Prosopagnosia–Interview with Marlene Behrman. Carnegie Mellon University, Pittsburgh, PA. *Total run-time: 48:27 minutes, 3 individual video clips.*
- Werner, S. (2009). Haptic Perception–Interview with Roberta Klatzky. Carnegie Mellon University, Pittsburgh, PA. *Total run-time: 24:34 minutes, 3 individual video clips.*
- Werner, S. (2008). Change Blindness–Interview with Ronald Rensink . University of British Columbia, Vancouver, Canada. *Total run-time: 35:14 minutes, 3 individual video clips.*
- Werner, S. (2008). The Psychology of Magic–Interview with Alym Amlani. Vancouver, Canada. *Total run-time: 12:38 minutes, 1 video clip.*

Other:

Werner, S. & Johnson, K. (2007-9-12). Comparative Evaluation of Composite Scene Authentication (CSA) – executive summary. Internal report for distribution through UI research foundation.

Werner, S. (1998). Verarbeitung visuell mehrdeutiger Information [Processing of visually ambiguous information]. *Arbeitsbericht Nr. 24 der Abteilung für Kognitions- und Arbeitspsychologie*, Georg-Elias-Müller Institut für Psychologie, Universität Göttingen.

Professional Meeting Papers, Workshops, Showings, Recitals:**International Conference Presentations:**

Werner, S. (2015). User-friendly Password Systems – A Cognitive Perspective. *Presentation at the 20th Annual Meeting of the Cognitive Science Association for Interdisciplinary Learning, July 30 – August 3, Hood River, OR.*

Werner, S. (2011). Development of GoCognitive – a Web-Based Resource for Cognitive Neuroscience. *Presentation at the 17th annual meeting of the Cognitive Science Association for Interdisciplinary Learning, August 4-8, 2011, Hood River, OR.*

Werner, S. (2009). GoCognitive.net - Educational tools for cognitive neuroscience. Presentation at the Fifteenth Annual Meeting of the Cognitive Science Association for Interdisciplinary Learning, July 30 - August 3, 2009, Hood River, OR.

Werner, S. & Johnson, K. (2007). Human memory and computer security – improving user authentication interaction through graphical passcodes. Paper presented at the 13th Cognitive Science Association for Interdisciplinary Learning (CSAIL), August 2-6, Hood River, Oregon.

Werner, S. (2002). Integration of spatial reference systems for wayfinding in natural and built environments. Paper presented at the Cognitive Science Association for Interdisciplinary Learning (CSAIL), August 1-5, Hood River, Oregon.

Werner, S. and Long, P. (2002). Cognition meets LeCorbusier: Cognitive principles of architectural design. Paper presented at the 7th meeting of the German Research Initiative on Spatial Cognition, May 20-23, Tutzing.

Finkelmeyer, A., Werner, S., and Schindler, L. (2001). Spatial reference systems in the perception of rotating three-dimensional objects. Poster presented at the Northwestern Cognition and Memory Meeting (NOWCAM), May 24-26, 2001, Vancouver, BC, Canada.

Sneed, T.D., Werner, S., and Finkelmeyer, A. (2001). Role of geometrical properties of virtual environments in spatial memory. Poster presented at the Northwestern Cognition and Memory Meeting (NOWCAM), May 24-26, 2001, Vancouver, BC, Canada.

Werner, S. and Schmidt, K. (1999). Reference systems and the accessibility of spatial information in imagined large-scale environments. Paper presented at the 7th European Workshop on Imagery and Cognition, July 12-15, Windsor, England.

Werner, S. and Schmidt, K. (1999). Reference systems at environmental scale. Paper presented at the workshop “Systems of reference for spatial knowledge,” April 22-24, Hamburg, Germany.

Trautwein, U. and Werner, S. (1998). Old paintings - New technologies: An empirical study on the benefits of multimedia techniques in art education. Paper presented at the XV Congress of

the International Association of Empirical Aesthetics, September 21-24, Rome, Italy.

- Werner, S. and Saade, C. (1997). Task-specific constraints on mental representations of extra-personal space. Paper presented at the 6th European Workshop on Imagery and Cognition, August 9-13, Oslo, Norway.
- Werner, S. (1996). Semantic priming of the perception of unfamiliar bistable line-drawings. Poster presented at the 37th Annual Meeting of the Psychonomic Society, November 1-3, Chicago.
- Werner, S. (1996). Seeing unfamiliar ambiguous figures: Semantic primes can influence what we see, and only what we see is semantically primed. Paper presented at the 4th Workshop on Object Perception and Memory, October 31, Chicago.
- Werner, S. (1996). Perception of unfamiliar bistable linedrawings. Paper presented at the Summer Workshop in Cognitive Psychology, July 29-30, Williams College and SUNY Albany, Williamstown.
- Werner, S. (1994). Mental construction tasks and the limitations of visual mental imagery. Paper presented at the Fifth European Workshop on Imagery and Cognition, July 23-27, Saarbrücken, Germany.
- Werner, S. (1992). Mental construction in two and three dimensions. Poster presented at the Fourth European Workshop on Imagery and Cognition, December, La Laguna, Tenerife, Spain.

National (GERMAN or US) Conference Presentations:

- Schmidt, T. and Werner, S. (2000). Symmetry properties of spatial distortions in visual memory. Poster presented at the 42nd Meeting of the German Psychological Society, September 24-28, Jena.
- Werner, S. (2000). Referenzsysteme im räumlichen Gedächtnis [Reference systems in spatial memory]. Paper presented at the 6th meeting of the German Research Initiative on Spatial Cognition, June 4-7, Tutzing.
- Finkelmeyer, A.E. and Werner, S. (2000). Die Rolle der Gravitation beim Aufbau und Abruf räumlicher Information [The role of gravitation for the acquisition and access of spatial information]. Poster presented at the 42nd Meeting of Experimental Psychologists (Teap), April 3-6, Braunschweig.
- Rump, B., Werner, S., and McNamara, T.P. (2000). Orientierungsabhängigkeit mentaler Repräsentationen von Räumen, die durch aktive Navigation erfahren wurden [Orientation dependency of spatial representations for large-scale spaces experienced through active navigation]. Poster presented at the 42nd Meeting of Experimental Psychologists (Teap), April 3-6, Braunschweig.
- Krieg-Brückner, B., Werner, S., and Herrmann, T. (1999). Modellierung von räumlichem Wissen durch Routengraphen. [Modelling spatial knowledge by route graphs.] Paper presented at the 5th meeting of the German Research Initiative on Spatial Cognition, May 25-27, Tutzing.
- Werner, S. (1999). Räumliche Referenzsysteme – ein Überblick. [Spatial reference systems – an overview.] Paper presented at the 5th meeting of the German Research Initiative on Spatial Cognition, May 25-27, Tutzing.
- Werner, S. Diedrichsen, J., and Rump, B. (1999). Zeitverlauf kognitiver Verzerrungen bei der Erinnerung räumlicher Konfigurationen [Time course of spatial memory distortions]. Poster presented at the 41st Meeting of Experimental Psychologists (Teap), March 28-April 1, Leipzig. Also presented at the Regional Meeting of Psychologists of Northern Germany, February 6, Braunschweig.

- Wolf, S. and Werner, S. (1998). Einfluß ego- und allozentrischer Referenzsysteme auf die Verfügbarkeit räumlicher Information. [The role of ego- and allocentric reference systems on the accessibility of spatial information.] Poster presented at the 41st Meeting of the German Psychological Society, September 27-October 1, Dresden.
- Werner, S. and Diedrichsen, J. (1998). Vergleich kognitiver Verzerrungen räumlicher Handlungen. [Comparison of memory distortions for different spatial actions.] Poster presented at the 41st Meeting of the German Psychological Society, September 27-October 1, Dresden.
- Diedrichsen, J. and Werner, S. (1998). Wie greife ich nach meiner Tasse ohne hinzuschauen? Kognitive Verzerrungen beim Erinnern und Handeln. [How do I grasp my cup without looking? Cognitive distortions in memory and action.] Poster presented at the 1st research open-house of the Georg-Müller-Institut für Psychologie, Universität Göttingen, July 10, Göttingen.
- Werner, S. and Lürer, G. (1998). Analoge Repräsentation räumlicher Information. [Analog representation of spatial information.] Presentation at the 4. Kolloquium des DFG-Schwerpunktprogramms „Raumkognition“, July 2-4, Evangelische Akademie, Tutzing.
- Werner, S., Lürer, G. and Saade, C. (1998). Mentale Repräsentation räumlicher Information: Referenzsystemeffekte bei unterschiedlichen Räumen und Handlungen. [Mental representation of spatial information. Reference-systems for different spaces and actions.] Poster presented at the 4th meeting of the German Research Initiative on Spatial Cognition, July 2-4, Tutzing.
- Werner, S. and Wolf, S. (1998). Einfluß ego- und allozentrischer Referenzsysteme auf die Verfügbarkeit räumlicher Information. [Ego- and allocentric reference systems and the accessibility of spatial information.] Paper presented at 40th meeting of Experimental Psychologists, April 6-9, Marburg. Invited address at the 1st annual Perception Conference of Tübingen (Tübinger Wahrnehmungskonferenz), February 27-March 1, Tübingen.
- Werner, S. and Diedrichsen, J. (1997). Klassifikationen extrapersonalen Raums und empirische Belege für ihre Gültigkeit. [Classifications of extrapersonal space and their empirical validity.] Vortrag gehalten auf dem Workshop „Raum und Handlung“, December 12-14, Ohlstedt.
- Werner, S., Saade, C., Wolf, S. and Lürer, G. (1997). Relations between mental representation of extrapersonal space and spatial behavior. Lecture given at the fall meeting of the German Research Initiative on Spatial Cognition, September 29-October 1, Trier.
- Werner, S. and Saade, C. (1997). Einfluß von Situationsparametern auf die mentale Repräsentation räumlicher Information. [Influence of situational parameters on the mental representation of spatial information.] Paper presented at the annual meeting of the Society for Cognitive Science (Gesellschaft für Kognitionswissenschaft), September 24-27, Jena.
- Werner, S., Saade, C. and Lürer, G. (1997). Analoge Repräsentation räumlicher Information: Theoretische Anmerkungen und empirische Zugänge zu einem erklärungsbedürftigen Konzept. [Analog representation of spatial information: theoretical comments and empirical approaches to a difficult concept.] Paper presented at the 39th meeting of Experimental Psychologists (TEAP, Tagung experimentell arbeitender Psychologen), March 24-27, Berlin.
- Werner, S., Saade, C. and Lürer, G. (1997). Analoge Repräsentation räumlicher Information. [Analog representation of spatial information.] Paper presented at the 2nd meeting of the German Research Initiative on Spatial Cognition, February 24-26, Gustav-Stresemann-Institut, Bonn.

Werner, S. (1994). Über die Reinterpretierbarkeit visueller Vorstellungen. [The re-interpretation of visual images.] Paper presented at the 39th meeting of the German Psychological Society, September 25-29, Hamburg. Also presented at the annual meeting of the Wilhelm-Wundt-Gesellschaft, July 23-25, Hamburg.

Werner, S. and Lüer, G. (1990). Ein Modell der Verarbeitung und Reproduktion von einfachen, visuellen Reizmustern. [A model for the processing and reproduction of simple visual patterns.] In D. Frey (Ed.), *Bericht über den 37. Kongress der Deutschen Gesellschaft für Psychologie in Kiel, 1990*, (157-158). Göttingen: Hogrefe.

Invited Lectures and Colloquia Presentations:

Werner, S. (2011). Invited lecture “HCI and security: Can graphical passwords overcome the password problem?”, Department of Cognitive Psychology and Ergonomics, Technical University of Berlin, April 20th 2011.

Werner, S. (2010). HCI and security: Can graphical passwords overcome the password problem?. Invited lecture, Ludwig Maximilians Universität München, Vortrag im Rahmen der Veranstaltung „Mensch-Maschine Interaktion II“, Dezember 15th, 2010, Munich, Germany.

Werner, S. (2010). The human element in computer security - Graphical passcodes as a means to create secure authentication systems. Invited lecture, RWTH Aachen Göttingen, Kolloquium des Institutes für Psychologie, November 29th, 2010, Aachen, Germany.

Werner, S. (2010). The human element in computer security - Graphical passcodes as a means to create secure authentication systems. Invited lecture, Universität Göttingen, Experimentalpsychologisches Kolloquium, November 19th, 2010, Göttingen, Germany.

Werner, S. (2010). The human element in computer security - Graphical passcodes as a means to create secure authentication systems. Invited lecture, Helmut Schmidt Universität Hamburg, Informatisches Kolloquium, November 15th, 2010, Hamburg, Germany.

Werner, S. (2007). Visual long term memory might hold the key to secure authentication - An overview of composite scene graphical user passcodes. Presentation at Memory Seminar, Johns Hopkins University, October 5th, 2007. Baltimore, MD.

Werner, Steffen (2005). Issues in human centered design for traffic signals. *Presentation at the Plug and Play Smart Traffic Signals Workshop, University of Idaho, October 13, 2005.*

Werner, S. (2002). Selection and integration of spatial reference systems. Talk presented at the Department of Industrial and Operations Engineering, University of Michigan, Ann Arbor, Michigan, January 17, 2002.

Werner, S. (2000). Reference systems in human spatial memory. Talk presented at the Department of Psychology, Washington State University, Pullman, Washington, November 7, 2000.

Werner, S. and Diedrichsen, J. (1999). The time course of spatial memory distortions. Lecture held at the University of California Berkeley, February 23, Berkeley, California.

Werner, S. and Diedrichsen, J. (1998). Einfluß von Referenzsystemen auf kognitive Verzerrungen bei räumlichen Handlungen und visuellen Vergleichsaufgaben. [Reference-systems and their role in distortions of spatial actions and visual tasks.] Lecture held at the Institut für Psychologie der RWTH-Aachen, December 15, Aachen.

Werner, S. and Diedrichsen, J. (1998). Handlungsabhängigkeit kognitiver Verzerrungen bei der Reproduktion von Objektlokationen. [Action-based spatial distortions when reproducing object locations.] Lecture held at the Institut für Statistik und Ökonometrie, Universität Göttingen, July 1, Göttingen.

- Werner, S. (1998). The influence of egocentric and allocentric frames of reference on the accessibility of spatially organized information. Lecture held at the University of California, Santa Barbara, Dept. of Psychology, May 13, Santa Barbara, California. Also presented at the University of Minnesota, Minneapolis, Institute of Child Development, May 11, Minneapolis, Minnesota.
- Werner, S. (1998). Verfügbarkeit räumlicher Information: von Objekten in einem Raum bis zur Lage von Gebäuden in einer Stadt. Lecture held at the workshop "Routen und Überblickswissen", February 18-19, Bremen.
- Werner, S. (1997). Repräsentation räumlicher Information in handlungsorientierten Aufgaben und mentalen Vorstellungen. [Representation of spatial information for action and mental imagery.] Vortrag gehalten im Rahmen des Forschungskolloquiums „Theoretische und Experimentelle Kognitionspsychologie“ am Institut der Ludwig-Maximilian-Universität, July 16, München.
- Werner, S. (1997). Referenzsysteme und ihre Bedeutung für die Klassifikation räumlichen Wissens. [Reference systems and their importance for the classification of spatial knowledge.] Lecture held at the workshop "Arten räumlichen Wissens: Theoretische und empirische Abgrenzungen unterschiedlicher Repräsentationen räumlicher Information," May 8-9, Institut für Psychologie, Göttingen.
- Werner, S. (1996). The perception of perceptually bistable linedrawings. Lecture held at the Cognitive Luncheon Series, May 21, Department of Brain and Cognitive Sciences, Massachusetts Institute of Technology.
- Werner, S. (1996). Ergebnisse zum "Attentional Blink" Zeitliche und attentionale Charakteristika der postulierten Stufen. [Results regarding the "attentional blink" time course and attentional characteristics of the postulated stages.] Lecture held at the Institute of Psychology, Universität Braunschweig, December 13.

Grants and Contracts Awarded:

External Grants/Contracts Received:

- Werner, S. (2019, August-September). Rancor Microworld Validation Experiments. Contract amendment. Collaborators Ron Boring and Thomas Ulrich (INL). (\$17,970; 100%).
- Werner, S. (2019, May-August). Rancor Microworld Validation Experiments. Collaborators Ron Boring and Thomas Ulrich (INL). (\$28,968; 100%).
- Werner, S. (2017). Situation Awareness in the Nuclear Control Room IV. Contract amendment. Collaborators Ron Boring (INL) and Thomas Ulrich (Ph.D. graduate student, UI). (\$10,752; 100%).
- Werner, S. (2016). Situation Awareness in the Nuclear Control Room IV. Contract extension. Collaborators Ron Boring (INL) and Thomas Ulrich (Ph.D. graduate student, UI). (\$60,977; 100%).
- Werner, S. (2015). Situation Awareness in the Nuclear Control Room III. Contract extension. Collaborators Ron Boring (INL) and Thomas Ulrich (Ph.D. graduate student, UI). (\$56,759; 100%).
- Werner, S. (2015). Situation Awareness in the Nuclear Control Room II. Contract extension. Collaborators Ron Boring (INL) and Thomas Ulrich (Ph.D. graduate student, UI). (\$27,100; 100%).
- Werner, S. (2014). Situation Awareness in the Nuclear Control Room. Collaborators Ron Boring (INL) and Thomas Ulrich (Ph.D. graduate student, UI). (\$24,941; spending authority: 100%).
- Werner, S. & Dyre, B (2012). Alert/Alarm Dashboard. LDRD INL Subaward. Collaborators Ron Boring

and Dave Gertman, INL. Phase II (\$55,000: spending authority: 50%).

Werner, S. (PI), Dyre, B., & Barton, B. (2011). Alert/Alarm Dashboard. LDRD INL Subaward. Collaborators Ron Boring and Dave Gertman, INL. Phase I (\$54,823, spending authority: 45%).

Werner, S. (2010, PI). GoCognitive – Online Teaching Tools for Cognitive Neuroscience Education. National Science Foundation Division of Undergraduate Education: Course, Curriculum and Laboratory Improvement Program: Phase 1 (\$199,344, spending authority: 100%).

Werner, S. (2009) (PI). Association for Psychological Science (APS) Teaching Fund Grant. “Needs Assessment for Online Teaching-Tools in Cognitive Psychology and Cognitive Neuroscience.” (\$3,744 , spending authority: \$3,477 [100%])

Werner, S. (2008) (PI). Idaho State Board of Education Technology Incentive Grant: “GoCognitive.net - An Online Center for Educational Tools in Cognitive Neuroscience . (\$58,600 , spending authority: \$58,600 [100%])

Werner, S. & Dyre, B. (2007) (Co-PI) INL laboratory-directed research and development (LDRD) grant (with Tuan Tran/INL). “Risk Assessment Tools to Evaluate Next Generation Technical System“, S. Werner & B. Dyre (co-PIs), 2007-8. (\$22,000, spending authority: \$11,000 [50%])

Werner, S. (2004) (PI) Idaho BRIN Research Enhancement grant “Human-scale Morris water maze” (\$5,000, spending authority: \$5,000 [100%])

Werner, S. (2002) (PI) EPSCoR Instrumentation Grant “Idaho Driving Simulator.” Supported by the Idaho State Board of Education of Higher Education Research Council, the Idaho NSF EPSCoR Program, and by the National Science Foundation under award number EPS-0132626 (\$59,000, spending authority: \$59,000 [100%])

Werner, S. (2000) (PI) German Science Foundation (DFG) We 1973/3-3 Continuation Research Grant “Reference systems in spatial memory,” 2000-02 (approx. €150,000)

Werner, S. (1998) (Co-PI) NSF - NCGIA Varenius Seed Grant (S. Werner Co-PI, Principal Investigator: Timothy P. McNamara) “Reference systems used to represent spaces of environmental scale,” 1998 (\$3,400)

Werner, S. & Luer, G. (1998) (PI) German Science Foundation (DFG) We 1973/3-2 Continuation Research Grant “Analog representation of spatial knowledge,” 1998-2000 (approx. €112,000)

Werner, S. & Luer, G. (1996) (PI) German Science Foundation (DFG) We 1973/3-1 Research Grant “Analog representation of spatial knowledge,” 1996-98 (approx. €73,000)

Werner, S. (1995) (PI) German Science Foundation (DFG) We 1973/1-1 & /2-1 Postdoctoral Fellowship “Processing of ambiguous visual information“, Department of Brain and Cognitive Sciences, Massachusetts Institute of Technology, Cambridge, 1995-96 (approx. €28,000)

Internal Grants Received:

ORED RISE Fall 2019 Equipment and Infrastructure Support Grant Program. “VR system to investigate spatialized auditory interfaces for blind users,” 2019-2020 (\$5,359)

Teaching and Learning Grant Program (University of Idaho), “Interface Simulation (intSim) – web-based, interactive learning experiences in human factors education,” 2002-03 (\$1,500)

Research Council of the University of Idaho Seed Grant, “Reference Systems in Human Spatial Memory for Virtual Spaces,” 2001-02 (\$9,890)

Sponsored Student Research Grants Received:

Daniel Ryskamp (2007, Steffen Werner faculty sponsor) - Student Grant Proposal (UI undergraduate) "Dorsal and ventral stream contributions to visual long-term memory" (\$1,500 awarded)

External Grants Applications Pending or Non-Funded:

Northwest Academic Computing Consortium (NWACC) "Development of GoCognitive.net, a web-site devoted to the access to knowledge in the field of cognitive neuroscience," 2008 (\$10,000 - not funded)

Boeing Company Gift Proposal "Idaho Driving Simulator," 2002 (\$105,000 – not funded)

Northwest Academic Computing Consortium (NWACC) "Interface Simulation (intSim) – web-based, interactive learning experiences in human factors education," 2002 (\$10,000 - not funded)

Northwest Academic Computing Consortium (NWACC) (Co-Investigators Drs. Nekich and N. Werner) "Computer-based Training and Assessment of Social and Emotional Skills for Children and Adolescents," 2001 (\$49,697 - not funded)

Internal Grants Pending or Non-Funded:

Werner, S. (2009, PI). Needs Assessment for Online Teaching-Tools in Cognitive Psychology and Cognitive Neuroscience: Improving cognitive psychology education through the creation of relevant teaching tools. University of Idaho Teaching Grant (\$2,659). Not funded.

Supporting Teaching, Advising, Assessment and Technology Integration Grant (University of Idaho), "Formative Evaluation of Cognitive Psychology Lab: Hands-on experience in cognitive psychology research for on-campus and online delivery," 2009 (\$2,659 – not funded)

Strategic Reinvestment Program (University of Idaho) (Co-Investigator Dr. Dyre), "The Idaho Driving Simulator," 2002 (\$35,000 recommended for funding – due to financial constraints of the university, no funds were made available)

Honors and Awards:

Award by the Secretary of Science and Culture, State of Lower Saxony, Germany, for outstanding student achievement, 1989.

SERVICE:**Major Committee Assignments:**

University of Idaho:

Department of Psychology:

External Relations Committee (chair), 2001-02

Tenure/Promotion Committee, 2001-02

Industrial/Organizational Psychology Departmental Search Committee, 2000-02

Human Factors Psychology Departmental Search Committee (member), 2005-06

Human Factors Psychology Departmental Search Committee (chair), 2006-07

Experimental Psychology Departmental Search Committee (chair), 2007-08

Human Factors Psychology Departmental Search Committee (chair), 2011-12

Clinical and Counseling Psychology Departmental Search Committee (chair), 2014-15

Communication Studies Departmental Search Committee (member), 2018-19

Graduate committee (member, 2000-)

Interdisciplinary Neuroscience Program

Curriculum Committee (member) 2003-2004

Curriculum Committee (chair) 2004-2005

Director 2012-2013
 College level:
 CLASS Safety Committee (member), 2008-2010
 University level:
 University-level Promotion Committee (member), 2006-2008
 VIEW (Vandal Innovation and Enterprise Works) committee, 2007-2010
 Institutional Review Board (member), 2011-2013, 2019 (fall)
 Institutional Review Board (alternate member), 2017-2019

University of Göttingen:
 Institute of Psychology:
 Elected member of the executive committee of the Institute, 1998-2000
 Graduate studies advisor, 1992-2000
 Interim advisor for undergraduate studies, 1997-98

Professional and Scholarly Organizations:

German Psychological Association (DGPs)
 Human Factors and Ergonomics Society
 Psychonomic Society
 Association for Psychological Science
 Palouse Vision Group
 National Science Foundation (served on NSF panel 2014)

Ad hoc Reviewer for the following publications:

Applied Cognitive Psychology; Attention and Performance, XIX; British Journal of Psychology;
 Cognitive Brain Research; Memory and Cognition; Human Factors; IEEE – Transactions on
 Robotics; Environment & Behavior; National Science Foundation (NSF); Perception; Psychonomic
 Bulletin & Review; Quarterly Journal of Experimental Psychology; Spatial Cognition and
 Computation; Visual Cognition; Zeitschrift für Experimentelle Psychologie; Zeitschrift für
 Pädagogische Psychologie; Zeitschrift für Psychologie, German Science Foundation (DFG),
 Conference on Spatial Information Theory (COSIT)

Outreach Service:

Workshop and Conference Organization:

Co-organizer (with Christopher Habel, University of Hamburg) of an international workshop
 entitled “Systems of reference for spatial knowledge“ as part of the German Research
 Initiative on Spatial Cognition, University of Hamburg, April 22-24, 1999. [Selected papers
 to appear in Spatial Cognition and Computation, Special Issue, Guest editors C. Habel and
 S. Werner]
 Organizer of the first student and faculty research conference at the Institute of Psychology,
 University of Göttingen, Germany, June 10, 1998.
 Co-organizer (with Jörg Gehrke, Max Planck Institute of Psychological Research, Munich) of a
 symposium entitled “Spatial Cognition“ at the 40. Meeting of Experimental Psychologists,
 Marburg, Germany, April 6-9, 1998.
 Organizer of a workshop entitled “Spatial knowledge: theoretical and empirical distinctions of
 different spatial mental representations“ as part of the German research initiative on spatial
 cognition. University of Göttingen, Institute of Psychology, Göttingen, Germany, May 8-9,
 1997.

Community Outreach

Consultant and presenter for “Brain-Power” exhibit. Palouse Discovery Science Center, 2007-08