

# CURRICULUM VITAE

## CONTACT INFORMATION WORK

Name: Dr.-Ing. Stefan Werner Knoll  
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## EDUCATION

**2012/11** Otto-von-Guericke University of Magdeburg, Germany  
Degree: Doktoringenieur (graduate PhD)  
Final grade: magna cum laude (very good)  
Thesis title: Collaboration process design for ideation in distributed environments

**2008/10 - 2010/12** Otto-von-Guericke University of Magdeburg, Germany  
Postgraduate Scholarship

**2007/06 - 2012/11** Otto-von-Guericke University of Magdeburg, Germany  
PhD Student  
Research Interest: front end of innovation, collaboration, collaboration process design, creativity, groupware technology

**2006/02** Otto-von-Guericke University of Magdeburg, Germany  
Degree: Diplomingenieur für Computervisualistik (graduate engineer)  
Final grade: 1,7 ('good' - B)  
Thesis title: The visual support of parts of the ideation process by a software tool

**2005/03** Otto-von-Guericke University of Magdeburg, Germany  
Degree: Bakkalaureus der Computervisualistik (bachelor of science)  
Final grade: 1,5 ('very good' - A)  
Thesis title: An approach for the optimized use of Macromedia Director as a prototype tool in the evaluation process of user interfaces

**2000/10 - 2006/02** Otto-von-Guericke University of Magdeburg, Germany  
Student: Study of Computational Visualistics, with focus on user interface design, computer graphics, simulation, mechanical engineering, and product design

## ACADEMIC WORK EXPERIENCE

**Since 2013/10** Otto-von-Guericke University of Magdeburg, Germany  
Faculty of Computer Science  
Postdoctoral Researcher: Discovery-Driven-Collaboration

**2011/04 - 2013/09** Delft University of Technology, The Netherlands  
Faculty of Technology, Policy and Management, Section Systems Engineering  
Researcher: SMART VORTEX (Large Integrated Project co-financed by the European Union within the Seventh Framework Program)

<b>2007/04 - 2011/03</b>	Otto-von-Guericke University of Magdeburg, Germany Faculty of Computer Science Tutor: Coaching students in soft skills
<b>2006/07 - 2008/09</b>	Otto-von-Guericke University of Magdeburg, Germany Faculty of Computer Science Research Assistant: Teaching and consulting students

## WORK EXPERIENCE

<b>2006/04 - 2006/06</b>	Zephram GbR, Magdeburg, Germany Consulting Company for the Front End of Innovation Freelancing Programmer: Design of a group support system for ideation
<b>2006/01 - 2011/07</b>	Zephram GbR, Magdeburg, Germany Consulting Company for the Front End of Innovation Freelancer: Support of innovation workshops
<b>2004/04 - 2004/09</b>	human interface.design, Hamburg, Germany Design Agency for User Interface Design, Software Ergonomics and Usability Engineering Internship: Design of an interface-simulator for Draeger Safety AG Design of a software system for user interface prototyping
<b>2000/07 - 2000/10</b>	CargoLifter Communication GmbH, Frankfurt, Germany Internship: Design of multimedia concepts for the CargoLifter GmbH

## HONORARY ACTIVITIES

<b>2007/04 - 2009/12</b>	UniMentor e.V. Magdeburg, Germany Mentoring Initiative for Students at the Otto-von-Guericke University of Magdeburg, Germany Organizer: Prof-Mentoring (Mentoring for students in a higher semester)
<b>Since 2005/04</b>	Idea Engineering Research Group at the Otto-von-Guericke University of Magdeburg, Germany Member of the research group

## PUBLICATION

<b>2013</b>	A Context-sensitive Intervention Approach for Collaboration in Dynamic Environments Knoll, S.W. & Lukosch, S.G. (2013) Proceeding of the Eighth International and Interdisciplinary Conference on Modeling and Using Context (CONTEXT'13), 28th-31th October 2013, Annecy, France. A Semantic Model for Adaptive Collaboration Support Knoll, S.W., Janeiro, J., Lukosch, S.G. & Kolfshoten, G.L. (2013) Hussein, T., Paulheim, H., Lukosch, S.G., Ziegler, J. & Calvary, G. (Eds.) Semantic Models for Adaptive Interactive Systems, Springer London.
<b>2012</b>	Adaptive Collaboration Support Systems: Designing Collaboration Support for Dynamic Environments Janeiro, J., Knoll, S.W., Lukosch, S.G., & Kolfshoten, G.L. (2012) Proceeding of the Third International Engineering Systems Symposium (CESUN), 28th-20th June 2012, Delft, The Netherlands. Designing Collaboration Support for Dynamic Environments Janeiro, J., Knoll, S.W., Lukosch, S.G., Kolfshoten, G.L. & Brazier, F.M.T. (2012) Proceeding of the Group Decision and Negotiation Meeting 2012 (GDN), 20th-24th May 2012, Recife, Brazil.

Ontological Collaboration Engineering

Knoll, S.W., Plumbaum, T., De Luca, E.W. & Predoiu L. (2012) Brueggemann S. & d'Amato, C. (Eds.) Collaboration and the Semantic Web: Social Networks, Knowledge Networks and Knowledge Resources, IGI Global

**2011** A Transfer Approach for Facilitation Knowledge in Computer-Supported Collaboration

Knoll, S.W., Schumann, J., Matzdorf, T., Adege, A., Linnemann, M. & Horton, G. (2011) 17th CRIWG Conference on Collaboration and Technology, CRIWG 2011. 2nd-7th October 2011, Paraty, Rio de Janeiro, Brazil

Changing the Perspective: Using a Cognitive Model to Improve Generate thinkLets for Ideations

Knoll, S.W. & Horton, G. (2011) Journal of Management Information Systems, Special Section, Vol.28, No.1, 2011

The Structure of Idea Generation Techniques — Three Rules for Generating Goal-Oriented Ideas

Knoll, S.W. & Horton, G. (2011) Mesquita A. (Ed.) Technology for Creativity and Innovation: Tools, Techniques and Applications, IGI Global

Idea Engineering: A Case Study of a Practically Oriented University Course in Innovation

Horton G., Chelvier, R., Knoll, S.W. & Goers, J. (2011) Proceeding of the Hawaii International Conference on System Sciences 2011 (HICSS), 5th-8th January 2011, Koloa, Kauai, Hawaii.

The Impact of Stimuli Characteristics on the Ideation Process: An Evaluation of the Change of Perspective 'Analogy'

Knoll, S.W. & Horton G. (2011) Proceeding of the Hawaii International Conference on System Sciences 2011 (HICSS), 5th-8th January 2011, Koloa, Kauai, Hawaii.

**2010** Collaboration Ontology: Applying Collaboration Knowledge to a Generic Group Support System

Knoll, S.W., Plumbaum, T., Hoffmann, J.L. & De Luca, E.W. (2010) Proceeding of the Group Decision and Negotiation Meeting 2010 (GDN), 21th-23th June 2010, Delft, The Netherlands.

Semantic Group Support System for Context Adaptive Collaboration

Knoll, S.W., Plumbaum, T. & De Luca, E.W. (2010) Workshop on Context-Adaptive Interaction for Collaborative Work, CHI '10 28th ACM Conference on Human Factors in Computing Systems. 10th-15th April 2010, Atlanta, USA.

Changing the Perspective: Improving Generate thinkLets for Ideation

Knoll, S.W. & Horton G. (2010) Proceeding of the Hawaii International Conference on System Sciences 2010 (HICSS), 5th-8th January 2010, Koloa, Kauai, Hawaii.

**2009** Integrating Semantic Web and Web 2.0 Technologies for supporting Collaboration Engineering

Knoll, S.W., De Luca, E.W., Horton G. & Nürnberger, A. (2009) 17th Workshop on Adaptivity and User Modeling in Interactive Systems (ABIS), 21th - 23th September 2009, Darmstadt, Germany.

Applying a ThinkLet- and ThinXel-Based Group Process Modeling Language: A Prototype of a Universal Group Support System

Knoll, S.W., Hörning, M. & Horton G. (2009) Proceeding of the Hawaii International Conference on System Sciences 2009 (HICSS), 5th-8th January 2009, Waikoloa, Big Island, Hawaii.

- 2008** | A Markov Model for Multi-Criteria Multi-Person Decision Making  
Chelvier, R., Dammasch, K., Horton G., Knoll, S.W., Krull, K. & Rauch-Gebbensleben, B. (2008) Proceedings of the 5th International Conference on Innovations in Information Technology, 16th-18th December 2008, Al Ain, United Arab Emirates.
- | A Design Approach for a Universal Group Support System using ThinkLets and ThinXels  
Knoll, S.W., Hörning, M. & Horton G. (2008) Proceeding of the Group Decision and Negotiation Meeting 2008 (GDN), 17th-20th June 2008, Coimbra, Portugal.
- 2007** | Formalised Online Creativity using ThinXels  
Knoll, S.W., Chelvier, R. & Horton G. (2008) Proceeding of the 10th European Conference on Creativity and Innovation, 14th-17th October 2007, Copenhagen, Denmark.

## REVIEWER

- Journal** | International Journal of Information Technology & Decision Making (2013)  
International Journal of Cooperative Information Systems (2013)  
Business & Information Systems Engineering (2010)  
Computer Supported Cooperative Work (2011)  
Group Decision and Negotiation (2012)
- Conference** | European Conference on Information Systems (ECIS 2014)  
Computer Supported Cooperative Work (CSCW 2014)  
Hawaii International Conferences on System Sciences (HICSS 2009-2014)  
Collaboration Researcher's International Workshop on Groupware (CRIWG 2010)

## AWARDS

- 2010** | Best Paper Award Hawaii International Conference on System Sciences (HICSS) / Collaboration Systems and Technologies Track
- 2009** | Nominated for Best Paper Award Hawaii International Conference on System Sciences (HICSS) / Collaboration Systems and Technologies Track

## INTERESTS

Research Interests: | Collaboration, Collaboration Engineering, Computer Supported Work,  
Lean-Startup-Method, Front End of Innovation, Creativity, Usability,  
Decision Making