



August 2017

Dr. Isa Jahnke

**Curriculum Vitae (CV)**

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## 1 About me



**Dr. Isa Jahnke**  
Female

Born	November 24, 1971 (Langenberg/Velbert, Germany)
Family status	Married to Ralf Jahnke-Wachholz, M.Sc. in economy/business administration
Nationality	German
Languages	German (native), English (fluently), Swedish (beginner)
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Google Scholar H-Index	21 <a href="http://scholar.google.de/citations?user=NG7zEFkAAAAJ&amp;hl=de">http://scholar.google.de/citations?user=NG7zEFkAAAAJ&amp;hl=de</a>
Scopus	8 <a href="http://www.scopus.com/authid/detail.uri?authorId=8406169600">http://www.scopus.com/authid/detail.uri?authorId=8406169600</a>

## 2 Degrees and Appointments

### Degrees

- 2002-2005 Doctor of Philosophy (Dr. phil.)  
Ph.D. defense on December 20<sup>th</sup>, 2005 (Very Good)  
Faculty of Sociology and Educational Sciences, TU Dortmund University  
Title: “Dynamic of social roles at knowledge management” in the context of teaching and learning in higher education (written in German), published in May 2006, DUV/Springer  
Advisor: Prof. Dr. Sigrid Metz-Göckel (University of Dortmund),  
Advisor: Prof. Dr.-Ing. Thomas Herrmann (Ruhr-University Bochum)
- 1997 M.Sc. (German Diplom), Social Sciences, a focus on technology,  
Bergische Universität Wuppertal, Wuppertal university Germany
- 1994 B.A., Social Sciences (German Vordiplom)  
Bergische Universität Wuppertal, Wuppertal university Germany

### Academic Appointments

- 8/2015 – (active) Associate Professor (tenure) and **Director of Research** for the Information Experience Lab, School of Information Science and Learning Technologies, SISLT, iSchool University of Missouri, USA
- 4/2011-31/2016 Professor (tenure position)  
Professor of ICT, media and learning (ICTML) – **scientific leader**  
Department of Applied Educational Science  
Interactive Media and Learning (IML)  
Umeå University, Sweden
- 4/2008-3/2011 Assistant Professor (Juniorprofessor) – **co-leader/associate director of HDZ**  
Center for Research on Higher Education and Faculty Development (HDZ)  
TU Dortmund University, Germany
- 2005-2008 Postdoctoral Researcher and University teacher  
Department of Information and Technology Management  
(Head: Prof. Dr. Thomas Herrmann), Institute for Applied Work Science,  
Ruhr-University of Bochum, Germany
- 2001-2005 Ph.D. student / Research and Teaching Assistant,  
Division of Informatics and Society  
Head: Prof. Dr. Thomas Herrmann, Department of Computer Science,  
TU Dortmund University, Germany

### Visiting Researcher in the USA

- in Winter 2012 2 months: Visiting professor at the University of Florida, Gainesville, College of Education, USA, Educational Technology Program
- in Summer 2007 3 months: Visiting post-doctoral researcher at the Center for Lifelong Learning (L3D), University of Colorado at Boulder/CO

### 3 Funded Grants / Research Projects

#### U.S. National, State/Regional, University level and Europe

##### Current Projects

- 2016-2017, “Students as Game Designers for Learning eXpeditions at Mizzou: LeXMizzou“, MU Internal Interdisciplinary Innovation Fund, IIFund, \$24,997, Role: PI

##### Finalized Work for clients with the Information Experience Lab

- 2016, Panacea’s Cloud, Prasad Calyam, Computer Science
- 2016, ElevatEd, Hook Center, College of Education
- 2015, MU School of Journalism, Knight News Foundation Grant, PI Edward McCain

##### Finalized Research Work

1. 2016-2017, Usability Testing of the Kinect-based Fall Risk Evaluation and Feedback System, PI Lorraine Phillips, Co-I Marjorie Skubic, Co-I Isa Jahnke, Grant from MU Research Council (internal funding), \$9,997 (IE lab as sub contract partner, \$4,467), My role: Co-PI
2. MU COE Grant, \$1.500, Research on iPad classrooms in Schools, 2016, PI
3. Tablet-mediated learning in Finnish schools, 2015-2017, funded by City of Kaarina, Finland (travels) and Teacher Education Council (School of Education), Umeå University (1 Post-doc position for 2 years), PI
4. Designs of Digital Didactics – What Designs of Teaching Practices Enable Deeper Learning in Co-located Settings? (tablets in schools), 2014-2017, funded by the Swedish Research Council (acceptance rate ca. 13%), PI
5. DDD2015 Symposium, PI with Eva Mårell-Olsson (funded by Riksbanken, VR, UMU)
6. Tablet-mediated learning in Danish schools, 2012-2014, partly funded by the Odder municipality in Denmark, travel expenses
7. ICT, media and learning, 2011-2015; funded by Teacher Education Council (School of Education), Umeå University, professorship, and 2 fulltime PhD student positions for 4 years
8. Development of the research area “ICT, media and learning”; start-up fund by Teacher Education Council (School of Education)
9. DaVINCI, Designing of creativity-enhanced learning cultures in higher education, 2008-2011, funded by the German Ministry of Education, BMBF, PI=Thomas Herrmann, Co-Pi=Isa Jahnke and Johannes Wildt
10. PeTEX, Platform for elearning and Telemetric EXperimentation, 2009-2011, funded by the EU-EC in the Lifelong Learning Programme, sub-programme Leonardo DaVinci (ICT), (acceptance rate ca. 10%), sub-project manager together with Co-PI Johannes Wildt (HDZ), PI is A. Erman Tekkaya (TU Dortmund), partners are Nicolescu (KTH, Sweden), Fratini (Palermo, Italy)
11. Research Networking Activities for the German Ministry of Education research programme called “Empirical research on higher education”; Congress „HD-HF in November 2009, funded by the German BMBF, together with Johannes Wildt
12. eGOV, E-Government in North-Rhine Westfalia (Germany), an analysis of actors, topics and trends, 2006-2007, funded by the Informationsbüro d-NRW, together with Thomas Herrmann

13. BMBF-EVAL, Ex-post- and Ex-ante-Evaluation of the German BMBF research programme „Innovative Design for Workplaces“, 2005-2006, funded by the German Ministry of Education, project-manager together with Thomas Herrmann (Co-PI) and TÜV Consulting Rheinland (PI)
14. WINK, Knowledge management in networks – analysis of seven research projects called Wissensmedia, 2004-2007, funded by the German Ministry of Economy; Evaluation of Human-Technology-Organization, Co-PI with Thomas Herrmann; partners were Sozialforschungsstelle Dortmund (J. Howaldt), TU Dortmund University (U. Wilkesmann)
15. HBS-EVAL, Evaluation of the study programme for doctoral students promoted by Hans-Böckler-Stiftung; Blended Learning, Winter 2005/06, funded by Hans-Böckler-Foundation, Germany, PI with Angela Carell
16. The Learning Region of Dortmund (LernDo) sub-project LernDo-Connect, Designing for knowledge sharing web-based cooperation platform BSCW, 2002-2004, funded by BMBF (Ministry of Education, Germany), 2002-2004, together with Thomas Herrmann and Sozialforschungsstelle Dortmund (PI)
17. WerkStadt Dortmund, Sociotechnical Design of the interactive platform Werkstadt-Dortmund, 2002-2003, funded by German Kooperationsstelle Wissenschaft-Arbeitswelt (KOWA), together with Thomas Herrmann
18. WIS – Knowledge management for organizing the study programme of Computer Science; 2001-2002, PI Thomas Herrmann; funded by the German state of North-Rhine Westfalia; evaluation in 2002 for continuing the project (2003-2004), Initiating the InPUD-community, Co-PI for 2003-2004 together with Thomas Herrmann, 1 PhD student

## 4 Publications

Google Scholar Profile, H-Index = 21

<http://scholar.google.de/citations?user=NG7zEFkAAAAJ&hl=de>

### Books / Monograph (refereed)

B2. Isa Jahnke (2016).

Digital Didactical Designs –Teaching and Learning in CrossActionSpaces. New York: Routledge.

B1. Isa Jahnke (2006).

Dynamik sozialer Rollen beim Wissensmanagement. Soziotechnische Anforderungen an Communities und Organisationen (Dynamics of roles in online learning communities). Dissertation. Wiesbaden: Springer, Germany.

### Journal Articles (refereed)

J22. Isa Jahnke, Peter Bergström, Eva Mårell-Olsson, Lars Häll, & Swapna Kumar (2017).

Digital Didactical Designs as Research Framework – iPad Integration in Nordic Schools. In: *Computers & Education* (2017) <http://dx.doi.org/10.1016/j.compedu.2017.05.006>

J21. Peter Bergström, Eva Mårell-Olsson, & Isa Jahnke (2017).

Variations of Symbolic Power and Control in the One-to-One Computing Classroom: Swedish Teachers' Enacted Didactical Design Decisions. In *Scandinavian Journal of Educational Research* (30 May 2017), <http://dx.doi.org/10.1080/00313831.2017.1324902>

J20. F. Demir, S. Ahmad, P. Calyam, D. Jiang, R. Huang, & I. Jahnke (2017).

A Next-Generation Augmented Reality Platform for Mass Casualty Incidents. In *Journal of Usability Studies*.

J19. Prasad Calyam, Isa Jahnke, Anup Mishra, Ronny Bazan Antequera, Dmitrii Chemodanov, Marjorie Skubic (2017). Towards an ElderCare Living Lab for Sensor-Based Health Assessment and Physical Therapy. in *IEEE Cloud Computing*.

J18. Isa Jahnke, Tobias Haertel & Johannes Wildt (2017).

Teachers' Conceptions on Student Creativity in Higher Education. In *Innovations of Education and Teaching International*. 54(1), pp. 87-95.

J17. Madeleine Ramstedt, Tomas Hedlund, Erik Björn, Jerker Fick and Isa Jahnke (2016).

Re-Thinking Chemistry Education Towards Technology-Enhanced Problem-Based Learning. In: *Education Inquiry*, Vol. 7, No. 2, <http://dx.doi.org/10.3402/edui.v7.27287> pp. 115–135.

J16. Isa Jahnke & Swapna Kumar (2014).

Digital Didactical Designs: Teachers' Integration of iPads for Learning-Centered Processes, In *Journal of Digital Learning in Teacher Education*, Vol. 30, Issue 3. pp. 81-88.

J15. Isa Jahnke (2013).

Teaching Practices in iPad-Classrooms – Alignment of Didactical Designs, Mobile Devices and Creativity. In. *International Journal of Mobile and Blended Learning*, ijMBL.

J14. Isa Jahnke & Julia Liebscher (2013).

Towards a Didactical Design Using Mobile Devices to Encourage Creativity. In *Journal of Enhancing Learning in the Social Sciences* (ELiSS), Vol 5, Issue 1. DOI:10.11120/elss.2013.05010051  
<http://journals.heacademy.ac.uk/toc/elss/5/1> , PDF  
<http://journals.heacademy.ac.uk/doi/pdf/10.11120/elss.2013.05010051> pp. 51-64.

- J13. Sean P. Goggins & Isa Jahnke (2012).  
CSCL@Work: Making Learning Visible in Unexpected Online Places Across Established Boundaries. In *International Journal of Sociotechnology and Knowledge Development*, 4(3), pp. 17-37. DOI: 10.4018/jskd.2012070102.
- J12. Tobias Haertel & Isa Jahnke (2011).  
(in German) Wie kommt die Kreativitätsförderung in die Hochschullehre? In *Zeitschrift für Hochschulentwicklung, ZFHE* Jg.6 / Nr.3 (Oktober 2011). S. 238-245.  
Online <http://www.zfhe.at/index.php/zfhe/article/view/278/421>
- J11. Claudius Terkowsky, Christian Pleul, Isa Jahnke & A. Erman Tekkaya (2011).  
Tele-Operated Laboratories for Online Production Engineering Education - Platform for E-Learning and Telemetric Experimentation (PeTEX). *IJOE* 7(S1), pp. 37-43.
- J10. Isa Jahnke & Tobias Haertel (2010).  
(in German) Kreativitätsförderung in der Hochschule – ein Rahmenkonzept.  
In: *Hochschulwesen*. Universitätsverlag Webler. 3/2010, pp. 88-96.
- J9 Nicole Burzan & Isa Jahnke (2010).  
(in German) Was misst die studentische Lehrkritik? Eine empirische Infragestellung von Lehrevaluationen an Hochschulen. In: *Soziologie*, 39. Jg., Heft 4, 2010, S. 310-333.
- J8. Isa Jahnke (2010).  
A way out of the information jungle – a longitudinal study on a socio-technical community and informal learning in higher education. In: *International Journal of Sociotechnology and Knowledge Development*, 2010.
- J7. Isa Jahnke (2010).  
Dynamics of social roles in a knowledge management community. In *Computers in Human Behavior*, 26 (2010), pp. 533-546. DOI 10.1016/j.chb.2009.08.010
- J6. Claudius Terkowsky, Isa Jahnke, Christian Pleul, R. Licari, P. Johansson, G. Buffa, H. Heiner, L. Fratini, E. Lo Valvo, M. Nicolescu, J. Wildt, AE Tekkaya (2010). Developing Tele-Operated Laboratories for Manufacturing Engineering Education. Platform for E-Learning and Telemetric Experimentation (PeTEX) In *International Journal of Online Engineering (iJOE)*, 6, IAOE, Vienna, pp. 60-70.
- J5. Isa Jahnke & Michael Koch (2009).  
Web 2.0 goes academia: Does Web 2.0 make a difference? In: *International Journal Web Based Communities*, Vol. 5, No. 4, 2009, pp. 484-500.
- J4. Isa Jahnke (2009):  
(in German) Das Informelle ist das Besondere. Veränderung formaler Strukturen in Organisationen durch neue Medien. In: *Information, Wissenschaft, Praxis (IWP)* 60 (2009) Nr. 4. S. 189-196.
- J3. Isa Jahnke und Isabel Schaller (2008):  
(in German) E-Government-Praxis erfordert wissenschaftliche Begleitung. In: *Innovative Verwaltung*. Heft 4/2008, S. 34-36.
- J2. Thomas Herrmann, Kai-Uwe Loser & Isa Jahnke (2007).  
Socio-technical Walkthrough (STWT): a means for Knowledge Integration. In *Learning Organization*. Vol. 14, Number 5, 2007. pp. 450-464.
- J1. Isa Jahnke, Volker Mattick & Thomas Herrmann (2005).  
(in German) Software-Entwicklung und Community-Kultivierung: ein integrativer Ansatz. In: *I-COM Zeitschrift für interaktive und kooperative Medien*. Heft 2, S. 14-21. In German.

**Conference proceedings (competitive, refereed)\***

\* *submission of a full paper, double-blind, 3-5 reviewers, acceptance rate between about 20-30%, proceedings have been published at time when conference took place*

- C36. Thomas Herrmann, Isa Jahnke, & Alexander Nolte (2016).  
Evaluating Socio-Technical Systems with Heuristics - A Feasible Approach?  
In Proceedings of STPIS'16, pp. 91-97. Retrieved June 9, 2016, from <http://ceur-ws.org/Vol-1604/Paper9.pdf> International
- C35. Eva Mårell-Olsson, Tomas Mejtoft, T., & Isa Jahnke (2015).  
Designing for collaborative learning expeditions by using wearable technology and smart glasses. In O. Lindwall, P. Häkkinen, T. Koschmann, P. Tchounikine & S. Ludvigsen (Eds.), *Exploring the Material Conditions of Learning: The Computer Supported Collaborative Learning (CSCL) Conference 2015, Volume 2* (pp. 689-690). Gothenburg, Sweden: International Society of the Learning Sciences.
- C34. Isa Jahnke, Lars Norqvist, Andreas Olsson (2014).  
Digital Didactical Designs of Learning Expeditions. In: The 9th EC-TEL2014 conference proceedings of European Conference for Technology-Enhanced Learning.
- C33. Lars Norqvist, Isa Jahnke, Andreas Olsson (2014).  
The Learners' Expressed Values of Learning in a Media Tablet Learning Culture. In: 9th ECTEL2014 conference proceedings of European Conference for Technology-Enhanced Learning.
- C32. Isa Jahnke, Niels V. Svendsen, Simon K. Johannsen, & Pär-Ola Zander (2014).  
The Dream About the Magic Silver Bullet – the Complexity of Designing for Tablet-Mediated Learning. In: ACM GROUP 2014 conference proceedings.
- C31. Isa Jahnke, Lars Norqvist, Andreas Olsson (2013).  
Digital Didactical Designs in iPad-classrooms. In: Proceedings of ECTEL 2013, Cyprus.
- C30. Tobias Haertel, Claudius Terkowsky, Isa Jahnke (2012).  
Where have all the inventors gone? Is there a lack of spirit of research in engineering education curricula? In: Proceedings of ICL-IGIP 2012, Interactive Collaborative Learning. 26-28 September 2012, Austria.
- C29. Isa Jahnke (2012).  
Technology-Embraced Informal-*in*-Formal Learning. In A. Ravencroft, S. Lindstaedt, C. Delgado Kloos, D. Hernandez-Leo (Eds.). 21st Century Learning for 21st Century Skills. 7th European Conference on Technology Enhanced Learning, Saarbrücken (Germany), September 2012, Proceedings. Berlin: Springer. pp. 395-400.
- C28. Isa Jahnke, Peter Bergström, Krister Lindwall, Eva Mårell-Olsson, Andreas Olsson, Fredrik Paulsson, Peter Vinnervik (2012). Understanding, Reflecting and Designing Learning Spaces of Tomorrow. In: I. Arnedillo Sánchez & P. Isaías (Eds.). Proceedings of IADIS Mobile Learning 2012. Berlin, <http://www.mlearning-conf.org/> pp. 147-156. ISBN: 978-972-8939-66-3
- C27. Julia Liebscher & Isa Jahnke (2012).  
Ansatz einer kreativitätsfördernden Didaktik für das Lernen mit mobilen Endgeräten. In: G. Csanyi, F. Reichl & A. Steiner (Hrsg.), *Digitale Medien. Werkzeuge für exzellente Forschung und Lehre*. Münster et al.: Waxmann. pp. 211-222.
- C26. Claudius Terkowsky, Isa Jahnke, Christian Pleul, & A. Erman Tekkaya (2011). Platform for E-Learning and Telemetric Experimentation (PeTEX) - Tele-Operated Laboratories for Production Engineering Education", In: Auer, M.E., Al-Zoubi, Y. & Tovar, E. (Eds.): Proceedings of the 2011 IEEE Global Engineering Education Conference (EDUCON) – "Learning Environments and Ecosystems in Engineering Education". IAOE, Vienna, pp. 491-497. DOI: 10.1109/EDUCON.2011.5773181 Winner of Best paper award.



- C25. Isa Jahnke, Sandra Sülzenbrück, Roberto Avanzi, Frank Meyer zu Heringdorf, Gerald Enzner, Viola Hofmann, Beate Schmuck, Dorothea Voss-Dahm (2011).  
Mensch 3.0: Risikokompetenz und Risikowahrnehmung im Umgang mit neuen Technologien. In: Th. Köhler, J. Neumann (Hrsg.), Wissensgemeinschaften. Digitale Medien - Öffnung und Offenheit in Forschung und Lehre. Munster u.a.: Waxmann. pp. 47-58.
- C24. Isa Jahnke (2010).  
<<Manchmal möchte man eben etwas sagen>> – eine Studie über informelles Lernen mit Online-Foren unterstützt. In: GMW Jahrestagung 2010 (Zürich), Waxmann.
- C23. Isa Jahnke, Claudius Terkowsky, Christian Pleul, A. Erman Tekkaya (2010).  
Online Learning with Remote-Configured Experiments. In: DeLFI – 8. Deutsche E-Learning Fachtagung.
- C22. Claudius Terkowsky, Isa Jahnke, Ch. Pleul, R. Licari, P. Johannsen, G. Buffa, M. Heiner, M. Fratini, E. LoValovo, M. Nicolescu, J. Wildt, E. Tekkaya (2010). Developing Tele-Operated Laboratories for Manufacturing Engineering Education. In: Remote Engineering & Virtual Instrumentation (REV 2010) Conference Proceedings, IAOE.
- C21. Isa Jahnke, Tobias Haertel, Volker Mattick, Karsten Lettow (2010).  
Was ist eine kreative Leistung Studierender? Medien-gestützte kreativitätsförderliche Lehrbeispiele. In: Tagungsband „Hochschuldidaktik Informatik“, HDI 2010, Paderborn.
- C20. Isa Jahnke (2009).  
The Process of Digital Formalization in Sociotechnical Learning Communities – Needed or Overloaded? In: O'Malley, Claire / Suthers D. / Reimann P. / Dimitracopoulou, A. (Eds.): Computer Supported Collaborative Learning Practices - CSCL 2009 Conference Proceedings. International Society of the Learning Sciences (ISLS), pp. 287-291
- C19. Isa Jahnke & Thomas Laukamm (2009).  
Unterstützung kreativer Lernprozesse mit Student Generated Webtours. In: A. Schwill, N. Apostolopoulos (Hrsg.): Lernen im Digitalen Zeitalter. Tagungsband der DeLFI 2009 in Berlin. Bonn: Köllen Verlag. pp. 163-174.
- C18. Isa Jahnke, Claudius Terkowsky, Christian Burkhardt, Uwe Dirksen, Matthias Heiner, Johannes Wildt, A. Erman Tekkaya (2009): Experimentierendes Lernen entwerfen - E-Learning mit Design-based Research. In: N. Apostolopoulos, H. Hoffmann, V. Mansmann & A. Schwill, (Hrsg.): E-Learning 2009. Lernen im digitalen Zeitalter. Tagungsband der GMW 2009 in Berlin. Münster: Waxmann. S.279-290.
- C17. Angela Carell & Isa Jahnke (2009): Medien und kreativitätsfördernde Lehr-/Lernkultur an der Hochschule: Projekt „DaVinci“. In: Hornung-Prähauer, Veronika / Luckmann, M. (Hrsg.): Kreativität und Innovationskompetenz im digitalen Netz. 5. EduMedia Fachtagung 2009, Salzburg 04.- 05. Mai 2009. Salzburg: Salzburg Research Forschungsgesellschaft. S. 197-205.
- C16. Christian Pleul, Claudius Terkowsky, Isa Jahnke, Uwe Dirksen, Matthias Heiner, Johannes Wildt, A. Erman Tekkaya (2009): Experimental E-Learning – Insights from the European Project PeTEX. In: Online-Educa Berlin, International Conference, Berlin, Dec 2009.
- C15. Isa Jahnke & Volker Mattick: (2008):  
Shift from teaching to learning with Web 2.0. In: Cortesi, Agostino / Luccio, F. (Eds.): Proceedings of the ACM IFIP IEEIII 2008, Informatics Education Europe III Conference, Dec 4-5, 2008. Venice (Italy): CS Department Universita Ca' Foscari. pp. 105-114.
- C14. Isa Jahnke, Thomas Herrmann & Michael Prilla (2008).  
Modellierung statt Interviews? Eine neue qualitative Forschungsmethode? In: M. Herczeg, M. C. Kindsmüller (Hrsg.): Mensch und Computer 2008. 8. fachübergreifende Konferenz für interaktive und kooperative Medien. München: Oldenbourg V. S. 377-386.

- C13. Isa Jahnke & Volker Mattick: (2008).  
Integration informeller Lernwege in formale Universitätsstrukturen: Vorgehensmodell Sozio-technische Communities. In: S. Zauchner, P. Baumgartner, E. Blaschitz, A. Weissenböck (Hrsg.): Offener Bildungsraum Hochschule. Konferenzband der Gesellschaft für Medien in der Wissenschaft. Münster u.a.: Waxmann, S. 192-203.
- C12. Isa Jahnke & Michael Prilla (2008).  
Neue Formen von Wissensgenerierungsprozessen: Crowdsourcing und Co. In: Bentele, M. / Gronau, N. / Hochreiter, R. / Schütt, P. / Weber, M. (Hrsg.): Erhöhen Sie Ihren BQ! 10. Kongress zum IT-gestützten Wissensmanagement, KnowTech. Berlin, S. 587-595.
- C11. Isa Jahnke & Michael Prilla (2008).  
Crowdsourcing – ein neues Geschäftsmodell? In: Andrea Back, Norbert Gronau, Klaus Tochtermann (Hrsg.): Web 2.0 in der Unternehmenspraxis. Grundlagen, Fallstudien und Trends zum Einsatz von Social Software. München: Oldenbourg, S. 132-141.
- C10. Thomas Herrmann, Isa Jahnke, Heiko Klick & Rainer Skrotzki (2007).  
Ex-Post und Ex-ante Evaluation des BMBF-Rahmenkonzeptes "Innovative Arbeitsgestaltung, Zukunft der Arbeit": Zukunft eines Forschungsprogramms. In: Tagungsband der BMBF-Tagung "Innovationsfähigkeit in einer modernen Arbeitswelt" 30./31.3.2007 in Berlin, Campus Verlag.
- C9. Thomas Herrmann; Gila Brandt-Herrmann & Isa Jahnke (2007).  
Work Process Oriented Introduction of Knowledge Management: Reconsidering the Guidelines for SME. In: Proceedings of I-Know 2007, Graz (Austria).
- C8. Thomas Herrmann & Isa Jahnke (2006).  
Der Sociotechnical Walkthrough (STWT) als Methode zum Transfer innovativer Wissensmanagement-Lösungen. In: Proceedings Knowtech, 26.-27.10.2006, München.
- C7. Isa Jahnke & Thomas Herrmann (2006).  
Erfolgsfaktoren zur Kultivierung sozio-technischer Communities aus der Sicht dynamischer Rollenstrukturen. In: A. M. Heinecke, H. Paul (Hrsg.): Mensch & Computer 2006: Mensch und Computer im Strukturwandel. München: Oldenbourg V., S. 103-113.
- C6. Isa Jahnke & Thomas Herrmann (2006).  
Why is the Input-Community so successful? Informal Structures, Trust and Social Proximity Cultivating Knowledge Transfer. In: Proceedings of I-Know, 6.-8.9.2006, Graz.
- C5. Jahnke, Isa; Ritterskamp, Carsten & Herrmann, Thomas (2005).  
Sociotechnical Roles for Sociotechnical Systems: a perspective from social and computer science. In: 2005 AAAI Fall Symposium, 8. Symposium: Roles, an interdisciplinary perspective. Arlington, Virginia. Washington DC, November 3-6, 2005.
- C4. Jahnke, Isa (2005).  
Impact of Social Roles on Designing sociotechnical Knowledge Sharing. In: Tochtermann, Klaus; Maurer Herrmann (Eds.): Proceedings of I-Know 2005. 5th International Conference on Knowledge Management. Graz Austria, 29.6.-1.7.2005. Journal of Universal Computer Science. pp. 624-632.
- C3. Herrmann, Thomas; Jahnke, Isa & Loser, Kai-Uwe (2004).  
The Role Concept as a Basis for Designing Community Systems. In: Françoise Darses; Rose Dieng; Carla Simone; Manuel Zackland (Eds.): Cooperative Systems Design. (COOP2004 conference proceedings). Amsterdam: IOS Press. pp. 163-178.
- C2. Herrmann, Thomas; Hoffmann, Marcel; Jahnke, Isa; Kienle, Andrea; Kunau, Gabriele; Loser, Kai-Uwe & Menold, Natalja (2003). Concepts for Usable Patterns of Groupware Applications. In: M. Pendergast, K. Schmidt, C. Simone, M. Tremaine (Eds.): Proceedings of the 2003 International ACM SIGGROUP Conference on Supporting Group Work. ACM: New York. pp. 349-358.

- C1. Herrmann, Thomas; Jahnke, Isa; Loser, Kai-Uwe (2003).  
Die Unterstützung von Rollenzuweisung und Rollenübernahme: ein Ansatz zur Gestaltung von Wissensmanagement- und CSCL-Systemen. In: G. Szwillus, J. Ziegler (Hrsg.): Mensch & Computer 2003: Interaktion in Bewegung. Wiesbaden: Teubner. pp. 87-98.

### **Books Edited (refereed)**

- E2. Sean P. Goggins, Isa Jahnke & Volker Wulf (Eds.) (2013).  
Computer-Supported Collaborative Learning at Work. New York et al.: Springer. Foreword by John Seely Brown.
- E1. Isa Jahnke & Johannes Wildt (Eds.) (2011).  
Fachbezogene und fachübergreifende Hochschuldidaktik (Subject-oriented and interdisciplinary designs of instruction). Reihe Blickpunkte Hochschuldidaktik. Bielefeld: WBV Bertelsmann (German).

### **Special Issues in journals (guest editor, refereed)**

- S6. Ilona Buchem, Isa Jahnke, Yishay Mor, Dimitris Apostolou (Eds.) (2015).  
Innovative Designs with Social, Mobile and Wearable Technologies for Creative Teaching and Learning. Special Issue in Interaction Design and Architecture(s),  
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- S5. Ilona Buchem, Isa Jahnke, & Norbert Pachler (Eds.) (2013).  
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- S4. F. Ulbrich, I. Jahnke, P. Mårtensson (Eds.) (2010).  
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- S3. Johannes Wildt & Isa Jahnke (Eds.) (2010).  
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- S2. Isa Jahnke (Ed.) (2010).  
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- S1. Isa Jahnke & Piet Kommers (Eds.) (2009).  
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### **Book Chapters (refereed)**

- CR21. Isa Jahnke (2017).  
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- CR20. Isa Jahnke (2017).  
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- Digitalen Didaktischen Design (DDD). In: Ilona Nord & Hanna Ziperovszky (Eds.). *Religionspädagogik in mediatisierten Welt*. Stuttgart: Kohlhammer. pp. 159-179.
- CR19. Isa Jahnke (2017). Tablets im Schulunterricht in Skandinavien – der Ansatz des Digitalen Didaktischen Design (DDD) für empirische Studien: Designs-in-Practice. In Jasmin Bastian & Stefan Aufenanger (Hrsg.). Wiesbaden: Springer VS. pp.37-62.
- CR18. Isa Jahnke, Eva Mårell-Olsson, & Tomas Mejtoft (2016). Organizing Teaching in Project Teacher Teams Across Established Disciplines Using Wearable Technology – Digital Didactical Designing a new Form of Practice. In: Liudvika Leisyte & Uwe Wilkesmann (Eds.). *Organizing Academic Work in Higher Education: Teaching, Learning and identities*. New York: Routledge. pp. 169-185.
- CR17. Lars Norqvist, Eva Leffler, Isa Jahnke (2016). Sweden and informal learning – Towards Integrated Views of Learning in a Digital Media World. A Pedagogical Attitude? In M. Haring, M. Witte, T. Burger (Eds.), *Handbuch Informelles Lernen. Interdisziplinäre und internationale Perspektiven*. Weinheim: Beltz/Juventa. pp. 217-235
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- CR15. Isa Jahnke & Swapna Kumar (2014). iPad-Didactics - Didactical Designs for iPad-classrooms: Experiences from Danish Schools and a Swedish University. In Charles Miller & Aaron Doering (Eds.), *The New Landscape of Mobile Learning: Redesigning Education in an App-based World*. New York: Routledge. pp. 242-257
- CR14. Anders Norberg & Isa Jahnke (2014). Are you Working in the Kitchen? European Perspectives on Blended Learning. In Anthony G. Picciano, Charles D. Dziuban, & Charles R. Graham (Eds.), *Blended Learning – Research Perspectives*. Vol. 2. Routledge/Taylor & Francis, pp. 251-267.
- CR13. Sean P. Goggins & Isa Jahnke (2013). CSCL@Work: Computer-Supported Collaborative Learning at the Workplace - Making Learning Visible in Unexpected Online Places Across Established Boundaries. In: S. P. Goggins, I. Jahnke & V. Wulf (Eds.). *Computer-Supported Collaborative Learning at the Workplace*. New York et al.: Springer. Chapter 1, pp. 1-20.
- CR12. Claudius Terkowsky, Isa Jahnke, Christian Pleul, Dominik May, Thorsten Jungmann, & Erman A. Tekkaya (2013). PeTEX@Work: Designing CSCL@Work for Online Engineering Education. In: S. P. Goggins, I. Jahnke & V. Wulf (Eds.). *Computer-Supported Collaborative Learning at the Workplace*. New York et al.: Springer. Chapter 13, pp. 269-292.
- CR11. Isa Jahnke (Jan 2013). Informal Learning via Social Media. Preparing for Didactical Designs. In A. Tokar, M. Beurskens, S. Keuneke, M. Mahrt, I. Peters, C. Puschmann, T. van Treeck & K. Weller (Eds.), *Science and the Internet*. Düsseldorf: dupress. pp. 59-72.
- CR10. Christian Pleul, Claudius Terkowsky, Isa Jahnke & A. Erman Tekkaya (2012). Tele-operated Laboratory Experiments in Engineering Education. The Uniaxial Tensile Test for Material Characterization in Forming Technology. In: Javier García Zubía and Gustavo R. Alves (eds.), "Using Remote Labs in Education". Bilbao: University of Deusto Press, pp. 323-348.
- CR9. Thomas Herrmann & Isa Jahnke (2012). Role Making and Role Taking in Learning. In: Norbert Seel (Ed.), *Encyclopedia of the Sciences of Learning (ESL)*, New York et al. Springer.

- CR8. Isa Jahnke (2012).  
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- CR7. Isa Jahnke (2011).  
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- CR6. Isa Jahnke, Claudius Terkowsky, Christian Pleul (2011).  
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- CR5. Isa Jahnke (2009).  
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- CR4. Isa Jahnke (2008).  
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- CR3. Herrmann, Thomas; Jahnke, Isa; Kunau, Gabriele & Loser, Kai-Uwe (2005).  
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- CR2. Jahnke, Isa (2005).  
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- CR1. Herrmann, Thomas; Jahnke, Isa; Kunau, Gabriele & Loser; Kai-Uwe (2004).  
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### **Workshop Publications (refereed)**

- WP5. Isa Jahnke, Lars Norqvist, Andreas Olsson & Anders Norberg (2014).  
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- WP4. Sean P. Goggins & Isa Jahnke (2013).  
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- WP3. Isa Jahnke (2012):  
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- WP2 Isa Jahnke (2005). The Case of the INPUD Community: Online as well as Regional. Position paper at the workshop "Collaboration, cooperation, transaction in various communities: Exploring differences and

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WP1. Isa Jahnke (2004). The development of roles in online communities: a model for the development of organizations. Presentation "Human & Computer" conference, CSCW-doctoral colloquium, organized by Michael Koch, Germany

### **Articles (editor-refereed) / Popular science**

A27. Tobias Haertel, Claudius Terkowsky, & Isa Jahnke (2017).

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A26. Isa Jahnke, Eva Mårell-Olsson, Lars Norqvist, Andreas Olsson, Peter Bergström (2015).

Tablettien Käytön Digitaalis-Didaktist Mallit Kouluissa - TVT on enemmäm kuin pelkkä työkalu. IN: Marki Kuuskorpi (Ed.) Digitaalinen oppiminen ja oppimisympäristöt. ISBN 978-952-68159-3-0 (PDF) (*Book Chapter written in Finnish*, Digital Didactical Designing for Media Tablets in Schools – ICT is More Than Just a Tool). In Finnish.

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A23. Martina Kunzendorf & Isa Jahnke (2014).

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A22. Isa Jahnke (2014).

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A20. Julia Liebscher & Isa Jahnke (2012).

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A19. Isa Jahnke, Tobias Haertel & Michael Winkler (2011).

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A18. Isa Jahnke, Martina Kunzendorf, Volker Mattick (Eds., 2011). Journal Hochschuldidaktik. Special Issue on

„eLEARNING TUD0 2011 - Kreativ Lehren und Lernen mit digitalen Medien“. [eLearning – Creative Teaching and Learning with Digital Media] 22. Jg. Nr. 1, März 2011. Online available. <http://www.hdz.tu-dortmund.de/203/>

A17. Julia Liebscher & Isa Jahnke (2011).

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A16. Isa Jahnke (2010).

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A15. Johannes Wildt & Isa Jahnke (2010).

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A14. Isa Jahnke & Dorothea Voss-Dahm (2010).

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A13. Isa Jahnke (2009).

Digitale Didaktik: Eine Anleitung zum Einsatz von Web 2.0 & Co. in der Lehre. In: Neues Handbuch Hochschullehre. Oktober 2009, Raabe Verlag. Ausgabe 4/2009, 39, Abschnitt D 3.14. S. 1-30.

A12. Isa Jahnke, Claudius Terkowsky, Christian Burkhardt, Uwe Dirksen, Matthias Heiner, Johannes Wildt, A. Erman Tekkaya (2009). Forschendes E-Learning. Live-Experimente mit Design-based Research entwerfen. In: Journal Hochschuldidaktik, Jg. 20 (2009), Heft 2. S. 30-32.

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A10. Tobias Haertel & Isa Jahnke (2009).

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A9. Isa Jahnke & Claudius Terkowsky (2009).

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A8. Isa Jahnke, Thomas Herrmann & Isabel Schaller (2007).

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A7. Isa Jahnke (2008).

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A6. Isa Jahnke (2008).

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A5. Isa Jahnke (2008).

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A4. BMWI (Hrsg.), Isa Jahnke (gemeinsam mit Thomas Herrmann, Carsten Ritterskamp, Jürgen Howaldt, Olaf Katenkamp, Uwe Wilkesmann, Maxie Wilkesmann und Ingolf Rascher) (2007). Wissensmanagement in

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A3. Jahnke, Isa; Volker Mattick & Thomas Herrmann (2005).

InpuD: Wissensmanagement zur Organisation des Studienverlaufs. In: Journal Hochschuldidaktik, 16. Jg. Nr. 1, April 2005. S. 13-16.

A2. Carell, Angela; Jahnke, Isa & Reiband, Natalja (2002).

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A1. Jahnke, Isa (2000).

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### **Technical Reports**

T3. I. Jahnke, F. Demir, Neeley, C. (IE Lab) (2016).

A comprehensive usability and user experience study –Report for the Kinect-based Fall Risk Evaluation and Feedback System: Time Up and Go Test (TUG test). Technical Report. December 2016

T2. I. Jahnke, F. Demir, Neeley, C. (IE Lab) (2016).

Usability Study of Panacea's Cloud. Technical Report June 2016.

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ElevatEd: Strategic Improvement Planning in Schools. Technical Report. March 2016.



## 5 Conference Workshops Organized (Refereed)

- W10. Tessy Ceratto-Pargman, [Isa Jahnke](#), and others (2017). Tablet-Mediated Collaborative Learning Workshop at CSCL 2017 (June 2017), International Conference
- W9. [Isa Jahnke](#), Tessy Ceratto-Pargman, Anniken Furberg, Sanna Järvelä, Barbara Wasson (2015). Changing Teaching and Learning Practices in Schools with Tablet-Mediated Collaborative Learning: Nordic, European and International Views. Workshop at CSCL 2015 in Gothenburg, International Conference
- W8. Ilona Buchem, [Isa Jahnke](#), John Cook, Dimitri Apostolou & Neil Maiden (2014). Creative Mobile Learning and Teaching (#CMLT14), at ECTEL2014, International Conference
- W7. Sean Goggins, [Isa Jahnke](#), Thomas Herrmann (2013). CSCL at Work, Computer-Support Collaborative Learning at the Workplace, at CSCL2013, USA, International Conference
- W6. P. Karampiperis, D. Apostolou, I. Buchem, [I. Jahnke](#), & K. Zachos, (2013). Computational tools fostering Creativity in Learning processes. ECTEL 2013 conference, Cyprus, International Conference
- W5. Sean Goggins, [Isa Jahnke](#), & Vollker Wulf (2012). CSCL@ work revisited-beyond CSCL and CSCW - Aare there key design principles for computer supported collaborative learning at the workplace? ACM Group 2012, International Conference
- W4. Ilona Buchem, [Isa Jahnke](#) & Carl Smith (2012). Mobile Learning and Creativity Workshop (#MLCW12), ECTEL 2012, International Conference.
- W3. Sean Goggins & [Isa Jahnke](#) (2010). Computer Supported Collaborative Learning (CSCL) at Work. ACM Group Conference, 2010, Florida, International Conference
- W2. [Isa Jahnke](#) & Michael Koch (2009). Workshop-Organisatorin (gemeinsam mit Prof. Michael Koch) „Academia 2.0 and beyond? How Social Software changes research and education in academia" – European Conference on Computer-Supported Cooperative Work, E-CSCW 2009, Vienna, Austria, International Conference
- W1. [Isa Jahnke](#) & Aurélien Bénel, Jean-Pierre Cahier, Manuel Zacklad (France), Thomas Herrmann (University of Bochum), Michael Koch (University Munich), Wolfgang Prinz (Head of Cooperation Systems, Fraunhofer FIT & RWTH Aachen) (2008). Academia 2.0 and beyond, Workshop at the International Conference „Design of Cooperative Systems", COOP 2008, France, International Conference

## 6 Keynotes & Presentations

### Keynote speeches

- K12 March 2018 "Teaching and Learning in CrossActionSpaces", International Conference: The Spatial Turns and Its Implications and Effects on (In)Formal Learning Contexts, Bochum, Germany
- K11 Oct. 2016 "Studying Learning Expeditions in CrossActionSpaces with Digital Didactical Designs", EDENRW9 2016, Distance and Online Learning International conference, Oldenburg, Germany
- K10 March 2015 "Digital Didactical Designs in Higher Education", University of Bolzano, Italy
- K9. Sept 2014 "Media Tablets in Danish Schools and a Swedish University"; Keynote at the Center for ICT in Education, Norway
- K8. Oct 2013 "Where does elearning go? What is the future in eLearning?" Keynote at DINI symposium, in Stuttgart, Germany
- K7. March 2013 "Creativity in Higher Education & Digital Didactics - Approaching a theory of designing teaching and learning in a Social Media world", Keynote at the UPC Conference, Umeå University, Sweden
- K6. Sept 2012 "Didaktik 2.0? Collaborative learning in an Internet-driven world" Keynote at University of Siegen, Germany
- K5. Aug 2012 "Informal Learning via Social Media: Does it Affect Formal Teaching and new Concepts of Science", Keynote at the International Conference on Science and the Internet, COSCI International conference
- K4. March 2012 "Mobile Learning", Keynote at DOSS2012, TU Dortmund, Germany
- K3. Jan 2011 "Creative Learning Cultures" (Gestaltung von Lehre und Lernen mit neuen Technologien), Keynote at eLEARNING TuDO 2011, Dortmund
- K2. Dec 2010 "Learning Communities at the Workplace", Keynote at the session „New impulses for occupational education“, Online Educa, Berlin, International conference
- K1. Sept 2008 "How to design good learning? (Veränderungen und neue Herausforderungen in der Hochschullehre)", Keynote at the 14th "Start of Teaching and Learning", TU Dortmund, Germany

### Presentations (Refereed)

1. Nov. 2017, two presentations, "Embracing Student Creativity: the Need for Creative Teachers and Leaders" and "Digital Didactical Designs as a Framework for iPad/Tablet classrooms", AECT 2017, International Conference
2. May 2014; paper presentation, „Tablet-mediated Teaching and Learning, at Designs for Learning conference, Stockholm, Sweden, International Conference
3. Sept 2014; paper presentation; Digital Didactical Designs of Learning Expeditions, EC-TEL 2014, International Conference
4. Jun 2014; *three* presentations at ICED 2014; International Consortium of Educational Developers (Academic Developers), Stockholm, Sweden, International Conference
5. Jun 2014; paper presentation, Media tablets in Education, at EUNIS 2014 conf. European Network of Infrastructure and Learning Technologies, Sweden, International Conference

6. Sept 2012; presentation, „Technology-Embraced Informal-*in*-Formal Learning“, ECTEL 2012, International Conference
7. Sept 2012; presentation, Mobile Learning and Creativity (Ansatz einer kreativitätsfördernden Didaktik für das Lernen mit mobilen Endgeräten), GMW 2012, Vienna, International Conference
8. March 2012; paper presentation, “Understanding, Reflecting Designing Learning Spaces of Tomorrow”, IADIS Mobile Learning 2012, International Conference
9. Sept 2011; paper presentation, Human Being 3.0 (“Mensch 3.0: Risikokompetenz und Risikowahrnehmung im Umgang mit neuen Technologien“), GMW 2011, in Dresden
10. Sept 2010; paper presentation “Manchmal möchte man eben etwas sagen” – eine Studie über informelles Lernen mit Online-Foren unterstützt“, GMW 2010, Zurich
11. Sept 2009; paper presentation, Creative learning processes („Unterstützung kreativer Lernprozesse mit Student Generated Webtours“), DeLFI 2009, Berlin.
12. Sept 2009; paper presentation, Experimental Learning and Design-based Research („Experimentierendes Lernen entwerfen“), GMW 2009, Berlin
13. Juni 2009; paper presentation, “The Process of Digital Formalization in Sociotechnical Learning Communities – Needed or Overloaded?“, CSCL 2009, Greece
14. Oct 2008; paper presentation, Visualizaton of computer-mdiated social structures („Visualisierung von sozialen Strukturen und Prozessen mithilfe grafischer Modelle: sozial-konstruierte Wirklichkeitsabbildung oder Verzerrung?“), Sociology Congress, DGS 2008 in Jena.
15. Aug 2007; paper Presentation, “The dynamics of social roles within a knowledge management community” at EARLI 2007 conference; session organized by Jan-Willem Strijbos & Armin Weinberger, Budapest, Ungarn
16. Oct 2006; paper presentation, “Change of socio-technical organizations to a sociotechnical society“, 33th Congress of the German Sociology Association, Kassel
17. Sept 2006; paper presentation, “Shift from Sociotechnical Organizations to a Sociotechnical Society“, at the symposium of Information, Communication, Society, held at the University of York, UK
18. March 2006; paper presentation, “Dynamics of social roles for knowledge sharing – sociotechnical requirement“ at Didaktik congress 2006, Center for Higher Education, University of Dortmund
19. June 2005; paper presentation; “The INPUD community: online as well as regional. Position paper at the workshop “Collaboration, cooperation, transaction in various communities“; International Conference on Communities and Technologies, Italy
20. Sept 2004; paper presentation; “The development of roles in online communities: a model for the development of organizations“. Human & Computer conference, Doctoral colloquium CSCW, organized by Michael Koch, Germany
21. Dec 2003; paper presentation, “role-based knowledge sharing in sociotechnical systems“, at the symposium „Knowledge management & self-organization“, Center for Higher Education, University of Dortmund
22. 2002; together with Th. Herrmann, G. Kunau and H. Schneider, “Patterns of socio-technical systems“, Workshop at CSCW 2002, USA

## **Invited talks**

### **International (invited talks)**

23. June 2015, Umeå/Sweden, DDD symposium, „Digital Didactical Designing“, International Symposium

24. Dec. 2013; invited talk, "Digital Didactics" at the Symposium „Epistemic and Learning Cultures at the University of the 21<sup>st</sup> Century“, KIT, Karlsruhe, Germany, International Symposium
25. Sept 2013; invited talk, "Digital Didactical Designs in iPad-classrooms", International Conference on Micro-Learning 7.0, Krems, Austria
26. Feb 2013; invited talk, "Digital Didactics – meeting the future of education?" Scandinavia@BETT2013, British Educational Technology Trade, London, International Congress
27. Sept 2012; opening speech at IML2011 –Interactive Media and Learning- Creative Learning Cultures, Umeå University, Sweden, International Symposium

### **National (invited talks)**

28. November 2015, Mainz, Research on Tablets in Schools, Univ. of Mainz, Germany
29. November 2015, Berlin, Digitalization in Schools in Germany – German National Congress
30. June 2015, Berlin „Open Universities in Germany – what means open? – German National Congress
31. March 2014; Symposium of Design-Based Research, German Association for Pedagogy, Berlin, National Conference
32. March 2014; How to bring innovations into the university practice? Invited talk at Stifterverband, Berlin, German National Congress
33. Oct 2013; invited talk, "Didactical Designs + ICT = Digital Didactical Designs?" Conference on ICT in Education, Oslo, Norway, Norwegian National Congress
34. Oct 2013; invited talk, "eLearning, Digital Didaktik and Co. – on the way to a new normality of a sociotechnical society? DINI congress, Stuttgart, German National Symposium
35. Jan 2013; "Creative Learning supported by mobile technology" (auf dem Weg zu einer kreativitätsförderlichen Didaktik); University of Würzburg, German National Symposium
36. Mai 2012; invited talk, "How to Foster Creativity Supported by new Technologies?", at KLÄM conference, Umeå University, Sweden, Swedish National Symposium
37. Dec 2011; invited talk, Creative Spaces of Tomorrow ("Kreative Lernräume der Zukunft: Gestaltung von Mobile Learning"), House of Competence (HOC), Karlsruher Institute for Technology (KIT), German National Symposium
38. Nov 2011; invited talk „Web 2.0, eLearning and Co. in teaching and learning“, Bauhaus University in Weimar, Germany, German National Workshop
39. March 2010; invited talk, Informal Learning in the Online World (Flexibles, informelles Lernen mit Internet-Foren – empirische Befunde“), RuhrCampusOnline (RCO) der Universitätsallianz Metropole Ruhr (UAMR), German National Symposium
40. March 2010; paper presentation, Sociotechnical learning („Sozio-technische Learning Communities“), DOSS2010, TU Dortmund, German National Symposium
41. April 2009; invited talk, „Web 2.0 in teaching and learning“, RuhrCampusOnline (RCO), Universitätsallianz Metropole Ruhr (UAMR), Bochum, German National Symposium
42. Oct 2007; invited talk, "E-Government needs modeling of process", E-Government-Day at the administration of GKD Recklinghausen, German National Symposium

**Local (invited talks / guest lectures)**

43. Nov 2016, two presentations at AppsDevConf “Building Usable and Useful Software: Incorporating Usability Studies and UX into the Design and Development Cycle” and “LexMizzou, ARIS app”, University of Missouri
44. March 2016, University of Missouri, Abell Conversations about College Science Teaching, “Digital Didactical Designs for Learning in CrossActionSpaces” (guest lecture), University of Missouri
45. March 2016, Tiger Place, „Sociotechnical Design“ invited by M. Skubic, University of Missouri
46. February, 2016, Research of iPads in Schools, invited to present at SISLT, University of Missouri
47. September 2015, MU, MPER, iPads in Schools, University of Missouri
48. Oct 2014; Digital Didactical Design, Stockholm University (guest lecture)
49. Dec 2014; Digital Didactical Design, Gothenburg University (guest lecture)
50. Aug 2014; Tablet-mediated Learning in Denmark, Odder/Denmark
51. Jan 2013; “The usage of iPads in schools & Digital Didactics”, University in Oslo, Norway (guest lecture)
52. Nov 2012; “Swedish School System and Teacher Education” at the International Day at University of Florida in Gainesville, Florida
53. April 2012; “iPad-Didactics – What happens in iPad-classroom? First findings from classroom observations and interviews”, Task Force Project Management, Odder/Denmark
54. Dec. 2011; Creative Learning Cultures - Educational Innovations in a Web2.0 world“, LunchTalk, Umeå University, Sweden
55. Oct 2011; „Understanding, reflecting and designing mobile learning space, the classroom of the future - Challenges in Research and Teaching“, Umeå University, Department of Language Studies (guest lecture)
56. July 2010; „Creative Learning Cultures“ (Kreative Lernkulturen - Bildungsinnovationen und Lernen mit neuen Technologien), University of Augsburg (guest lecture)
57. Mai 2010; „Creative learning cultures - educational innovations and knowledge sharing with social media“,University of Oldenburg, Germany, (guest lecture)
58. Nov 2009; Designing for Sociotechnical Systems ("Gestaltung soziotechnischer Systeme: computer-verstärkten Unterricht), R. Schulz-Zander, Institut für Schulentwicklungsforschung, Dortmund (guest lecture)
59. Dec .2008; Visualizaton of computer-mediated social structures („Visualisierung von computer-vermittelten sozialen Strukturen und Prozessen mithilfe grafischer Modelle: sozial-konstruierte Wirklichkeitsabbildung oder Verzerrung?“), Faculty of Sociology, TU Dortmund (guest lecture)
60. Nov 2008; Digital Didactics („Digitale Didaktik - eine Anleitung zur Planung computer-unterstützter Lehrveranstaltungen“), eLearning kurz & gut, TU Dortmund
61. Oct 2008; Designing for Sociotechnical Systems ("Gestaltung soziotechnischer Systeme: Wie lerne ich computer-verstärkten Unterricht zu gestalten? Was muss dabei beachtet werden?“), R. Schulz-Zander, Institut für Schulentwicklungsforschung, Dortmund (guest lecture)
62. Sept 2008; 14th congress,„Start into Teaching and Learning, TU Dortmund
63. April 2008; Teaching and Learning supported by new media, at Day of Teaching, TU Dortmund
64. March 2008; “Methods and tools of requirement analysis for IT infrastructure and process optimization in organizations“, Business Company Materna GmbH, Dortmund

65. Feb 2008; invited talk, Designing and modeling of processes in business planning, Business Company Bosch GmbH, Stuttgart
66. Nov 2006; "Design of socio-technical systems" at Informatics & Society, Department of Informatics, University of Karlsruhe (guest lecture)
67. Sept 2006; "Community cultivation as a method for study advisors" Workshop „From research into university practice?", Center for Higher Education, University of Dortmund

### **Poster presentations (refereed)**

5. Aug 2016 with Sara Ringbauer, "Augmented Learning Expeditions", Games Learning Society conference 2016, Madison WI
4. Juni 2015 with Eva Mårell-Olsson, „Designing for collaborative learning expeditions by using wearable technology and smart glasses“, CSCL 2015, Gothenburg, Sweden
3. Sept 2013 with Lars Norqvist and Andreas Olsson, "Digital Didactical Designs in iPad-classrooms", European Conference on Technology-Enhanced Learning, ECTEL 2013, Cyprus
2. March 2009 with Tobias Haertel, "The Da-Vinci-project: Kreativitätsförderliche Lernkulturen an Hochschulen". Poster presentation at DGHD, German Association for Didaktik, Freiburg
1. Sept 2006 Requirements for cultivating communities as mean for knowledge management; Proceedings of DGWF, German Association of continuing education and distance education, Karlsruhe

## 7 Teaching / courses taught

The following list is organized in two parts. First, I present my courses in undergraduate study programs, and second, courses in continuing education will be listed. Please be aware that Germany, Sweden and USA have different teaching workloads.

### a) Teaching Practice in B.Sc./M.Sc. programs, doctoral study programs

Fall 2017	Learning with the Internet, SISLT, 30 students
Fall 2017	Designing for Computer Support for Collaborative Learning, SISLT, 11 students
Spring 2017	Learning with the Internet, SISLT, 22 students
Fall 2016	Doctoral Seminar Research and Design in ISLT, SISLT, 8 students
Spring & Fall 2016	Learning with the Internet, SISLT, 25 students in each course
Jan-Feb 2015	1 course, Theories in Educational Research, Doctoral course in Educational Sciences, Umeå University, 20 students
Sept-Nov 2014	1 course, ICT in Education, Doctoral course in Educational Sciences, Umeå University, 6 students
March-June 2012	1 course, "Applied IT in schools", Department of Applied Educational Science, Umeå University, online course, approx. 12 students
Summer 2010	1 course, lecture of "Computer Science and Society – Design of Socio-Technical Systems"; Department of Computer Science, TU Dortmund University, Germany, approx. 40 students per course
Summer 2009-2010	2 courses, "Phases and Forms of Life", Faculty for Educational Science and Sociology, Teacher Education, TU Dortmund university, approx. 30 students per course
Winter 2009-2010	2 courses, "Social changes", Faculty for Educational Science and Sociology, Teacher Education, TU Dortmund university, approx. 20 students per course
Winter 2008	1 course, "Social Change", Faculty for Educational Science and Sociology, TU Dortmund university, ca. 10 students
Winter 2008	1 course, "Introduction to scientific work", Faculty for Educational Science and Sociology, TU Dortmund university, ca. 20 students
Summer 2007-2009	3 courses, lecture of "Computer Science and Society – Design of Socio-Technical Systems"; Department of Computer Science, TU Dortmund University, Germany, approx. 80 students per course
Winter 2006-2007	2 courses, "Introduction into qualitative methods", Master of Organizational Management, Institute of Applied Work Science, University of Bochum, Germany, approx. 20 students per course
Winter 2006, 2007	2 courses, "Project Management" and "Knowledge Management"; Master of Organizational Management; Institute of Applied Work Science, University of Bochum, Germany; each 15 students per course
Summer 2004-2007	3 courses, "Management of Communication Processes in Organizations"; Master of Organizational Management; Institute of Applied Work Science, University of Bochum, Germany, ca. 12-18 students per course
Summer 2006	1 course, lecture of "Design of Information Systems", Department of Applied Computer Science of the Ruhr University of Bochum, approx. 30 students
Summer 2002, 2003	2 courses, "Informatics/Computer Science and Society", TU Dortmund university, in the context of introductory college for girls

Summer 2002	1 course, „Introduction into software ergonomic using the example of web design“, Department of Computer Science, TU Dortmund University
2001-2004	8 courses, tutorials in accordance to the lecture “Computer Science and Society” held by Professor Thomas Herrmann, Department of Computer Science, TU Dortmund University, and each lecture ca. 300-900 students
2001-2004	8 courses, “Computer Science and Society” (FIT, Folgen der Informationstechnik), summer and winter semester, for students of Applied Computer Science at the TU Dortmund University, Germany, each course around 25-30 students

My teaching workload as Junior Professor at the University of Dortmund, Germany from 2008-2011 required offering courses for university teachers, instructors and academic staff; see the list, b):

### **b) Teaching Practice in continuing education for instructors/academic staff**

Spring 2017	Educational Technology in Schools, Kansas City Public Schools, Professional Development Workshop (3 days in total)
Summer 2013	3 courses, “Digital Didactical Design”, continuing education for university teachers, in preschool teacher education, Umeå University
January 2012	1 course, “Mobile Devices, Web 2.0 and co. in teaching and learning; Continuing education for university teachers, University of Würzburg
March 2012	1 course, “Digital Didactical Design”, continuing education for university teachers, in preschool teacher education, Umeå University
Summer 2011-2012	2 courses, “Web 2.0, New Media and Co. in teaching and learning”, HIT, University Initiative Thüringen/Weimar and University of Jena, course for faculty development
Winter 2010/11	1 course, “Web 2.0, New Media and Co. in teaching and learning”, TU Dortmund University, course for faculty development
Summer 2010	1 course, “Fostering creativity in teaching and learning”, TU Dortmund University, course for faculty development
Summer 2010	1 course, “Web 2.0, New Media and Co. in teaching and learning”, TU Dortmund University, course for faculty development
Winter 2008	1 course, “Project Management at Universities – Research Project Differs from Industrial Projects”, TU Dortmund, course for faculty development
Summer 2008-2009	5 courses, “Web 2.0, New Media and Co. in teaching and learning”, TU Dortmund University and courses for Universities of Trier, Münster and Cologne, course for faculty development



## 8 Students Supervised

### PhD students, first advisor

Sara Mostofi, SISLT, *active*

Sara Ringbauer, SISLT, *active*

Michele Kroll, SISLT, *active*

Shannon Bossaller, SISLT, *active*

Martina Kunzendorf; Educational innovations in higher education, TUD, Germany (*active*)

Julia Liebscher; Creativity-enhanced mobile learning, Univ. of Hagen (2017)

Lars Norqvist; Bridging Nonformal and Formal Learning, Umeå, Sweden (2011-2016)

Anders Norberg; New concepts for time-blended learning, Umeå (2011-2015)

Andreas Olsson; Mobile Learning, Umeå University (2011-2015)

### PhD students, second advisor or committee member

(*active Mizzou doctoral students*) Tina Balsler, David Bowering, Javier Leung, Douglas Kueker, Lisa Royse

Katja Ninnemann; Learning Spaces as Experience Spaces, TU Wien (2017)

Karyn Sandström; Peer-reflective learning in language learning, Umeå (2011-2016)

Leif Marklund; Game-based learning in teacher education, Umeå (2011-2015)

Karoline Spelsberg; Diversity in higher education, Duisburg-Essen (2013)

Grit Würmseer; New types of educational institutions, TU Dortmund (2010)

Tobias Haertel; Controlling of technology by standardization, TU Dortmund (2010)

### Committee member in dissertations / Ph.D. defenses

Matthew Dickinson, Multi-Cloud Performance and Security Driven Federated Workflow Management, University of Missouri, 2016

Jalal Nouri, Mobile learning in outdoor activities, Stockholm University, 2014

Peter Bergström, Process-based Assessment, Umeå, 2012

Hakim Usoof, eAssessment of higher order thinking: Sri Lanka, Umeå, 2012

Jan Erik Moström, Student problems in learning to program, Umeå, 2012

Olaf Katenkamp; TU Dortmund, Germany, 2011

Ralf Schneider, TU Dortmund, Germany, 2009

Judith Ricken, TU Dortmund, Germany, 2009

Sanaz Schröder, TU Dortmund, Germany 2009

Stefan Brall, TU Dortmund, Germany, 2009

## 9 Service

### Internal

2016-active	Financial Award Committee, MU College of Education and SISLT, <b>department/college</b>
2015-active	Research Director for the Information Experience Lab, SISLT, University of Missouri-Columbia, <b>department</b>
2016-2017	iPads in Columbia Public Schools (visiting 20 classrooms, observing and documenting changes, contact person Research Dean Dr. Matt Burns), <b>state/regional</b>
2016-2017	Chromebooks in Kansas City Public Schools (MU MPER funded): Facilitating the creation of a digital learning community in the classroom in Kansas City Public Schools including classroom visits, workshops for teachers, professional development, <b>state/regional</b>
2014-2015	Member of Faculty committee of the Faculty of Social Sciences, Umeå University / <b>university</b>
2012-2015	Research committee member, Department of Applied Educational Science; Umeå University, Sweden, <b>department/college</b>
2008-2011	Co-leader of the Center for Research on Higher Education and Faculty Development, TU Dortmund, Germany, <b>department/college</b>
2008-2011	Head of the Team "IT support and new media" at the HDZ; Center for Research on Higher Education and Faculty Development (HDZ), TU Dortmund, <b>department/college</b>
2008-2011	Member of the Steering Committee; Center for Research on Higher Education and Faculty Development (HDZ), TU Dortmund, <b>department/college</b>
2007	Member of re-designing the study program (re-accreditation) called „Master of Organizational Management“ (MOM), IAW, Bochum University, Germany, <b>department/college</b>
2005-2007	Head of the Website Design Team, Institute for Applied Work Science, Bochum University, <b>department/college</b>
2006-2007	Member of the Faculty Board, Institute for Applied Work Science, Bochum University, <b>department/college</b>
2002-2004	Member of Steering Committee and Advisor for Study Management, Department of Computer Science, TU Dortmund, Germany, <b>department/college</b>

### Advisory Boards

2011-active	Member of Advisory Board, Gutenberg Teaching Council (GLK), University of Mainz, Germany
2015-active	Member of Advisory Board for Teaching and Learning, University of Göttingen, Germany
2015-2016	Member of Advisory Board, Digital Learning in Schools, Telekom Foundation, Germany

### Conference Co-Chair

9/2015	Workshop chair of ECTEL2015, European Conference on Technology-Enhanced Learning (EC-TEL), Spain
11/2014	General co-chair of ACM Group'14 International conference on Supporting Groupwork, ACM Group2014, USA
11/2012	Publicity chair, International ACM Group'12, Florida, USA
09/2011	Chair of the International Symposium IML2011 in Umeå/Sweden - Interactive Media and Learning: "Creative Learning Cultures – Educational Innovation in a Web 2.0 World"; Keynote by George Siemens (Canada), Umeå, Sweden
01/2011	Chair of the yearly e-Learning day held at TU Dortmund university, together with Martina Kunzendorf and Volker Mattick, Dortmund, Germany
11/2010	Poster chair, International ACM Group'10, USA, Florida, USA
3/2010	Chair of DOSS 2010, the 4 <sup>th</sup> international conference on Research on Higher Education and Faculty Development, in Dortmund, Germany

11/2009 Chair of German Didaktik congress (including Instructional Design) (HD-HF), funded by the German Ministry of Education, Dortmund, Germany

### **Editorial Board Member**

4/2013-... Journal iTEL, Interdisciplinary journal for technology and learning  
 1/2013-... International Journal for Innovation and Quality in Learning: INNOQUAL  
 2/2008-... International Journal of Sociotechnology and Knowledge Development, IJSKD

### **Reviewer (journals)**

Since 2016 Computers & Education  
 Since 2016 Journal of Computer-Mediated Communication  
 Since 2015 NJDL, Nordic Journal of Digital Learning  
 Since 2014 Computers in Human Behavior  
 Since 2013 International Journal for Transactions on Learning Technologies (TLT), IEEE  
 Since 2012 ijMBL – International Journal of Mobile and Blended Learning, UK  
 Since 2011 Education Inquiry  
 Since 2010 ZFHE – German journal for faculty development  
 Since 2009 ijWBC – International Journal of Web Based Communities  
 Since 2009 ijCSCW – International Journal of Computer-Support Cooperative Work  
 Since 2009 ijCSCL – International Journal of Computer-Support Collaborative Learning  
 Since 2008 Journal of Information, Communication and Society, UK

### **Reviewer (program committees, conferences)**

2017-active INTERACT (Human-Computer-Interaction)  
 2017-active AECT reviewer (2017: 22 reviews)  
 2017-active ECIS, European Conference on Information Systems  
 2015-active iConference  
 2014-active CHI (Computer Human Interaction conference) by ACM  
 2012-active ICALT – IEEE International Conference on Advanced Learning Technologies  
 2011-active CTS - International Conference on Collaboration Technologies and Systems  
 2010-active GROUP, International Conference on Supporting Groupwork by ACM  
 2010-active ECTEL – European Conference on Technology-Enhanced Learning  
 2010-active dghd, German conference on Didaktik (dghd, Association for University Didaktik)  
 2008-active GMW, German Conference organized by the Association for Media in Society  
 2009-active CSCL, Computer-Supported Collaborative Learning  
 2009 Socio-Technical Design within Non-IT-Communities; "Informatik 2009"  
 2008-active CSCW, Computer-Supported Cooperative Work  
 2007 4th Conf. on Professional Knowledge Management, Potsdam  
 2006-2008 International Conference of I-Know, Graz/Austria

### **Professional Memberships**

2017-(current) AECT membership  
 2010-(current) ACM, Association of Computing Machinery  
 2009-(current) ISLS, International Society of the Learning Sciences  
 2009-2015 German DGS, Association of Sociology, Division Media Sociology  
 2008-2015 German GMW, Association for Media in the Sciences  
 2008-2015 German DGHD, Association for Teaching and Learning in Higher Education

## 10 Other Professional Job Experience (Outside Academia)

1999-2001	Consultant at Krups Consultants (Düsseldorf, Germany)
1998-1999	Consultant at MediaRes / MediaCom (Düsseldorf, Germany)
1996-1998	Researcher at Prognos, Institute of Organizational Science (Cologne, Germany)

## 11 Honors, Awards, Scholarships

9/2011	Winner of Best Paper Award “Most innovative paper”, EDUCON, Proceedings of the 2011 IEEE Global Engineering Education Conference
08/2009-11/2010	Global Young Faculty; Member of the International Excellence Research Network Scholarship, by Mercator Foundation, Germany, Outstanding Young Researchers
06/2005-10/2006	Mentee Member, Scholarship supported by the project “Mentoring3”; University Alliance Metropolis Ruhr, Germany
04/2002-03/2004	2-years scholarship holder for my Ph.D. study funded by the Hans-Boeckler Foundation, Germany