

## Publikationen: Andrea Kohlhasse

### Journal-Artikel

- [1] Andrea Kohlhasse and Michael Kohlhasse. “Spreadsheets with a Semantic Layer”. In: *Electronic Communications of the EASST: Specification, Transformation, Navigation – Special Issue dedicated to Bernd Krieg-Brückner on the Occasion of his 60th Birthday* (2013). Ed. by Till Mossakowski, Markus Roggenbach, and Lutz Schröder. in press. URL: [Http://kwarc.info/kohlhasse/papers/easst11.pdf](http://kwarc.info/kohlhasse/papers/easst11.pdf).
- [2] Michael Kohlhasse, Joe Corneli, Catalin David, Deyan Ginev, Constantin Jucovschi, Andrea Kohlhasse, Christoph Lange, Bogdan Matican, Stefan Mirea, and Vyacheslav Zholudev. “The Planetary System: Web 3.0 & Active Documents for STEM”. In: *Procedia Computer Science* 4 (2011): *Special issue: Proceedings of the International Conference on Computational Science (ICCS)*. Ed. by Mitsuhsa Sato, Satoshi Matsuoka, Peter M. Slood, G. Dick van Albada, and Jack Dongarra. Finalist at the Executable Paper Grand Challenge, pp. 598–607. DOI: 10.1016/j.procs.2011.04.063. URL: <https://svn.mathweb.org/repos/planetary/doc/epc11/paper.pdf>.
- [3] Andrea Kohlhasse and Michael Kohlhasse. “Semantic Knowledge Management for Education”. In: *Proceedings of the IEEE; Special Issue on Educational Technology* 96.6 (June 2008), pp. 970–989. URL: <http://kwarc.info/kohlhasse/papers/semkm4ed.pdf>.
- [4] Andrea Kohlhasse and Milena Reichel. “Embodied Conceptualizations: Social Tagging and E-Learning”. In: *International Journal of Web-Based Learning and Teaching Technologies* 1 (2008), pp. 58–67.
- [5] Andrea Kohlhasse. “Learner and Learning Technology: The Interaction Process as a Full Partnership”. In: *ECTI Transactions Journal* (2007). Under final review. URL: <http://www.ecti.or.th/>.

### Buchkapitel

- [6] Andrea Kohlhasse and Normen Müller. “Added-Value: Getting People into Semantic Work Environments”. In: *Emerging Technologies for Semantic Work Environments: Techniques, Methods, and Applications*. Ed. by Jörg Rech, Björn Decker, and Eric Ras. IGI Global, Apr. 2008, pp. 185–205. DOI: 10.4018/978-1-59904-877-2. URL: <http://www.igi-global.com/reference/details.asp?ID=7543>.

### Artikel in Sammlungen

- [7] Andrea Kohlhasse and Milena Reichel. “Social Tagging and Learning: The Fuzzy Line between Private and Public Space”. In: *Novel Developments in Web-Based Learning Technologies: Tools for Modern Teaching*. Ed. by Nikos Karacapilidis. Advances in Web-based Learning (AWBL). ISBN 978-1-60566-938-0. Information Science Reference, Jan. 2010. Chap. 11.
- [8] Andrea Kohlhasse and Michael Kohlhasse. “Compensating the Computational Bias of Spreadsheets”. In: *Festschrift in Honour of Bernd Krieg-Brückner’s 60<sup>th</sup> Birthday*. Ed. by Berthold Hoffmann, Bernd Gersdorf, Christoph Lüth, Till Mossakowski, Thomas Röfer, Lutz Schröder, Shi Hui, and Mattias Werner. DFKI, 2009, pp. 184–200.

### Konferenzbeiträge (Peer Review, Archiviert)

- [9] Andrea Kohlhasse. “Human-Spreadsheet Interaction”. In: *Proceedings of the 14th IFIP TC 14 International Conference on Human-Computer Interaction*. INTERACT’13. in press. Cape Town, South Africa: Springer-Verlag, 2013.

- [10] Andrea Kohlhase, Michael Kohlhase, Constantin Jucovschi, and Alexandru Toader. “Full Semantic Transparency”. In: *Proceedings of the 14th IFIP TC 14 International Conference on Human-Computer Interaction*. INTERACT’13. in press. Cape Town, South Africa: Springer-Verlag, 2013. URL: [http://kwarc.info/kohlhase/papers/Interact2013\\_FST.pdf](http://kwarc.info/kohlhase/papers/Interact2013_FST.pdf).
- [11] Catalin David, Constantin Jucovschi, Andrea Kohlhase, and Michael Kohlhase. “Semantic Alliance: A Framework for Semantic Allies”. In: *Intelligent Computer Mathematics*. Conferences on Intelligent Computer Mathematics (CICM) (Bremen, Germany, July 9–14, 2012). Ed. by Johan Jeuring, John A. Campbell, Jacques Carette, Gabriel Dos Reis, Petr Sojka, Makarius Wenzel, and Volker Sorge. LNAI 7362. Berlin and Heidelberg: Springer Verlag, 2012, pp. 49–64. ISBN: 978-3-642-31373-8. URL: <http://kwarc.info/kohlhase/papers/mkm12-SALLY.pdf>.
- [12] Andrea Kohlhase and Michael Kohlhase. “Maintaining Islands of Consistency via Versioned Links”. In: *Proceedings of the 29th annual ACM international conference on Design of communication (SIGDOC)*. (Pisa, Italy). ACM Special Interest Group for Design of Communication. New York, NY, USA: ACM Press, 2011, pp. 167–174. URL: <http://kwarc.info/kohlhase/papers/sigdoc2011-verslinks.pdf>.
- [13] Andrea Kohlhase and Michael Kohlhase. “Maintaining Islands of Consistency via Versioned Links”. In: *Intelligent Computer Mathematics – Work in Progress Papers*. Ed. by James Davenport, William Farmer, Florian Rabe, and Josef Urban. 2011. URL: [http://kwarc.info/kohlhase/papers/VersionedLinks\\_WiP.pdf](http://kwarc.info/kohlhase/papers/VersionedLinks_WiP.pdf).
- [14] Andrea Kohlhase and Michael Kohlhase. “Towards a Flexible Notion of Document Context”. In: *Proceedings of the 29th annual ACM international conference on Design of communication (SIGDOC)*. (Pisa, Italy). ACM Special Interest Group for Design of Communication. New York, NY, USA: ACM Press, 2011, pp. 181–188. URL: <http://kwarc.info/kohlhase/papers/sigdoc2011-flexiforms.pdf>.
- [15] Christoph Lange, Michael Kohlhase, Catalin David, Deyan Ginev, Andrea Kohlhase, Bogdan Matican, Stefan Mirea, and Vyacheslav Zholudev. “The Planetary System: Executable Science, Technology, Engineering and Math Papers”. In: *ESWC (Part II)*. 8th Extended Semantic Web Conference (ESWC) (Hersonissos, Crete, Greece, May 29–June 2, 2011). Ed. by Grigoris Antoniou, Marko Grobelnik, Elena Paslaru Bontas Simperl, Bijan Parsia, Dimitris Plexousakis, Pieter De Leenheer, and Jeff Z. Pan. Lecture Notes in Computer Science 6644. Heidelberg: Springer Verlag, 2011, pp. 471–475. ISBN: 978-3-642-21033-4. arXiv: 1103.1482 [cs.DL].
- [16] Andrea Kohlhase. “Towards User Assistance for Documents via Interactional Semantic Technology”. In: *KI 2010: Advances in Artificial Intelligence*. Ed. by Rüdiger Dillmann, Jürgen Beyerer, Uwe D. Hanebeck, and Tanja Schultz. LNAI 6359. Karlsruhe, Germany, 2010, pp. 107–115.
- [17] Andrea Kohlhase and Michael Kohlhase. “What we understand is what we get: Assessment in Spreadsheets”. In: *Symp. of the European Spreadsheet Risks Interest Group (EuSpRIG 2010)*. Ed. by Simon Thorne. European Spreadsheet Risk Interest Group, 2010, pp. 111–121. ISBN: 978-1-905404-50-6. URL: <http://www.kwarc.info/kohlhase/papers/eusprig10-coverage.pdf>.
- [18] Andrea Kohlhase, Michael Kohlhase, and Christoph Lange. “Dimensions of Formality: A Case Study for MKM in Software Engineering”. In: *Intelligent Computer Mathematics*. Ed. by Serge Autexier, Jacques Calmet, David Delahaye, Patrick D. F. Ion, Laurence Rideau, Renaud Rioboo, and Alan P. Sexton. LNAI 6167. Springer Verlag, 2010, pp. 355–369. ISBN: 3642141277. arXiv: 1004.5071v1 [cs.DL].

- [19] Andrea Kohlhase, Michael Kohlhase, and Christoph Lange. “sTeX – A System for Flexible Formalization of Linked Data”. In: *Proceedings of the 6<sup>th</sup> International Conference on Semantic Systems (I-Semantics) and the 5<sup>th</sup> International Conference on Pragmatic Web*. Ed. by Adrian Paschke, Nicola Henze, Tassilo Pellegrini, and Hans Weigand. ACM, 2010. ISBN: 978-1-4503-0014-8. DOI: 10.1145/1839707.1839712. arXiv: 1006.4474v1 [cs.SE]. URL: <http://portal.acm.org/citation.cfm?id=1839707>.
- [20] Andrea Kohlhase and Michael Kohlhase. “Compensating the Computational Bias of Spreadsheets with MKM Techniques”. In: *MKM/Calculus Proceedings*. Ed. by Jacques Carette, Lucas Dixon, Claudio Sacerdoti Coen, and Stephen M. Watt. LNAI 5625. Springer Verlag, July 2009, pp. 357–372. ISBN: 978-3-642-02613-3. URL: <http://kwarc.info/kohlhase/papers/mkm09-sachs.pdf>.
- [21] Andrea Kohlhase and Michael Kohlhase. “Modeling Task Experience in User Assistance Systems”. In: *Proceedings of the 27<sup>th</sup> annual ACM international conference on Design of communication (SIGDOC)*. (Bloomington, Indiana, USA, 2009). Ed. by Brad Mehlenbacher, Aristidis Protopsaltis, Ashley Williams, and Shaun Slattery. ACM Special Interest Group for Design of Communication. New York, NY, USA: ACM Press, 2009, pp. 135–142. DOI: 10.1145/1621995.1622013. URL: <http://kwarc.info/kohlhase/papers/sigdoc09-taskexperience.pdf>.
- [22] Andrea Kohlhase and Michael Kohlhase. “Semantic Transparency in User Assistance Systems”. In: *Proceedings of the 27<sup>th</sup> annual ACM international conference on Design of communication (SIGDOC)*. (Bloomington, Indiana, USA, 2009). Ed. by Brad Mehlenbacher, Aristidis Protopsaltis, Ashley Williams, and Shaun Slattery. ACM Special Interest Group for Design of Communication. New York, NY, USA: ACM Press, 2009, pp. 89–96. DOI: 10.1145/1621995.1622013. URL: <http://kwarc.info/kohlhase/papers/sigdoc09-semtrans.pdf>.
- [23] Andrea Kohlhase and Michael Kohlhase. “Spreadsheet Interaction with Frames: Exploring a Mathematical Practice”. In: *MKM/Calculus Proceedings*. Ed. by Jacques Carette, Lucas Dixon, Claudio Sacerdoti Coen, and Stephen M. Watt. LNAI 5625. Springer Verlag, July 2009, pp. 341–356. ISBN: 978-3-642-02613-3. URL: <http://kwarc.info/kohlhase/papers/mkm09-framing.pdf>.
- [24] Andrea Kohlhase. “MS PowerPoint Use from a Micro-Perspective”. In: *Proceedings of the World Conference on Educational Multimedia, Hypermedia & Telecommunications 2008 (ED-MEDIA’08)*. (Vienna, Austria, June 2008). AACE, June 2008, pp. 1279–1286. URL: <http://go.editlib.org/p/28550>.
- [25] Andrea Kohlhase. “MS PowerPoint Use from a Micro-Perspective”. In: *Proceedings of the World Conference on Educational Multimedia, Hypermedia & Telecommunications 2008 (ED-MEDIA’08)*. (Vienna, Austria, June 2008). AACE, June 2008, pp. 1279–1286. URL: <http://go.editlib.org/p/28550>.
- [26] Andrea Kohlhase. “Semantic Perspectives on Knowledge Management and E-Learning”. In: *Wissens- und Erfahrungsmanagement LWA (Lernen, Wissensentdeckung und Adaptivität) conference proceedings*. Ed. by Alexander Hinneburg. Martin-Luther-University Halle-Wittenberg, 2007, pp. 281–288.
- [27] Andrea Kohlhase. “Semantic PowerPoint: Content and Semantic Technology for Educational Added-Value Services in MS PowerPoint”. In: *Proceedings of the World Conference on Educational Multimedia, Hypermedia & Telecommunications 2007 (ED-MEDIA’07)*. Ed. by Craig Montgomerie and Jane Seale. AACE, June 2007, pp. 3576–3583. URL: <http://go.editlib.org/p/25890>.

- [28] Andrea Kohlhase. “The Music is not in the Piano: Engaging vs. Enabling MS PowerPoint”. In: *Proceedings of Society for Information Technology and Teacher Education International Conference 2007 (SITE’07)*. Ed. by Roger Carlsen, Karen McFerrin, Jerry Price, Roberta Weber, and Dee Anna Willis. St. Antonio, TX (USA), 2007-03-24/28. AACE, 2007, pp. 2026–2028.
- [29] Andrea Kohlhase and Michael Kohlhase. “Reexamining the MKM Value Proposition: From Math Web Search to Math Web *Re*Search”. In: *Towards Mechanized Mathematical Assistants. MKM/Calculus*. Ed. by Manuel Kauers, Manfred Kerber, Robert Miner, and Wolfgang Windsteiger. LNAI 4573. Springer Verlag, 2007, pp. 266–279. ISBN: 978-3-540-73083-5. URL: <http://mathweb.org/projects/mws/pubs/mkm07.pdf>.
- [30] Andrea Kohlhase, Heidi Schelhowe, and Michael Lund. “What Can the Hundred Languages of Children Teach Us?” In: *Interaktion im Plural*. Ed. by Tom Gross. Konferenzreihe Mensch und Computer 7. Bauhaus-Universität Weimar, Germany: Oldenbourg Verlag, Sept. 2007, pp. 189–198.
- [31] Andrea Kohlhase. “Media or Medea Society? Learner and Learning Technology as Full Partners”. In: *ICDML2006*. Ed. by Bundit Thipakorn. Vol. 1. Bangkok (Thailand), 2006-03-13/14. Tana Press, Mar. 2006, pp. 6–12.
- [32] Andrea Kohlhase. “What if PowerPoint became emPowerPoint (through CPoint)?” In: *Society for Information Technology and Teacher Education, 17<sup>th</sup> International Conference SITE 2006*. Ed. by Caroline M. Crawford. Orlando (USA), 2006-03-20/24. SITE. AACE, 2006, pp. 2934–2939.
- [33] Andrea Kohlhase and Michael Kohlhase. “An Exploration in the Space of Mathematical Knowledge”. In: *Mathematical Knowledge Management, MKM’05*. Ed. by Michael Kohlhase. LNAI 3863. Springer Verlag, 2006, pp. 17–32. URL: <http://kwarc.info/kohlhase/papers/mkm05.pdf>.
- [34] Andrea Kohlhase and Michael Kohlhase. “Communities of Practice in MKM: An Extensional Model”. In: *Mathematical Knowledge Management (MKM)*. Ed. by Jon Borwein and William M. Farmer. LNAI 4108. Springer Verlag, 2006, pp. 179–193. URL: <http://kwarc.info/kohlhase/papers/mkm06cp.pdf>.
- [35] Andrea Kohlhase and Milena Reichel. “Embodied Constructionist Learning: Social Tagging and Folksonomies in E-Learning Environments”. In: *Current Developments in Technology-Assisted Education (mICTE06)*. Vol. 3. Badajoz, Spain, 2006.
- [36] Andrea Kohlhase. “Overcoming Proprietary Hurdles: CPoint as Invasive Editor”. In: *Open Source for Education in Europe: Research and Practise*. Ed. by Fred de Vries, Graham Attwell, Raymond Elferink, and Alexandra Tödt. Proceedings at <http://hdl.handle.net/1820/483>. Open Universiteit Nederland. Heerlen, The Netherlands: Open Universiteit Nederland, Nov. 2005, pp. 51–56. URL: <http://hdl.handle.net/1820/483>.
- [37] Andrea Kohlhase and Michael Kohlhase. “CPoint: Dissolving the Author’s Dilemma”. In: *Mathematical Knowledge Management, MKM’04*. Ed. by Andrea Asperti, Grzegorz Bancerek, and Andrej Trybulec. LNAI 3119. Springer Verlag, 2004, pp. 175–189. URL: <http://kwarc.info/kohlhase/papers/mkm04.pdf>.
- [38] Michael Kohlhase, Klaus Sutner, Peter Jansen, Andrea Kohlhase, Peter Lee, Dana Scott, and Matthew Szudzik. “Acquisition of Math Content in an Academic Setting”. In: *Second International Conference on MathML and Technologies for Math on the Web*. Chicago, USA, 2002. URL: <http://www.mathmlconference.org/2002/presentations/kohlhase/>.

### Beiträge auf Workshops (meist Peer Reviewed)

- [39] Andrea Kohlhase. “Spreadsheets: From Data Interfaces to Knowledge Interfaces”. In: *Mathematical User Interfaces Workshop 2013*. Ed. by Andrea Kohlhase and Paul Libbrecht. July 2013.

- [40] Andrea Kohlhase. “Navigation in Mathematical Documents”. In: *Mathematical User Interfaces Workshop 2012*. Ed. by Paul Libbrecht. June 2012, pp. 12–23. URL: <http://ceur-ws.org/Vol-921/mathui-02.pdf>.
- [41] Andrea Kohlhase and Michael Kohlhase. “What you get is what you understand: Assessment in SACHS”. In: *Wissens- und Erfahrungsmanagement (Knowledge and Experience Management), FGWM*. Ed. by Christoph Lange and Jochen Reutelshöfer. Workshop at LWA 2009, published as part of [51]. Sept. 2009, pp. 22–29. URL: <http://www.kwarc.info/kohlhase/papers/lwa09-sachs.pdf>.
- [42] Andrea Kohlhase and Michael Kohlhase. “Compensating the Semantic Bias of Spreadsheets”. In: *Wissens- und Erfahrungsmanagement LWA (Lernen, Wissensentdeckung und Adaptivität) Conference Proceedings*. Ed. by Joachim Baumeister and Martin Atzmüller. Vol. 448. Oct. 2008. URL: <http://omdoc.org/pubs/kohkoh-lwa08.pdf>.
- [43] Andrea Kohlhase. “CPoint — ein invasiver, semantischer Editor für Content in MS PowerPoint”. In: *Offene Bildung im/mit dem Web 2.0!?!* Ed. by Veronika Hornung-Prähauser. 3. Interdisziplinäre EduMedia Tagung, 16.-17. April 2007, Salzburg. Salzburg Research, 2007, pp. 116–118. URL: <http://edumedia.salzburgresearch.at>.
- [44] Andrea Kohlhase. “CPoint – ein invasiver, semantischer Editor für wiederverwendaren Content in MS PowerPoint”. In: *Proceedings der Pre-Conference Workshops der 4.e-Learning Fachtagung Informatik DeLFI 2006*. Ed. by Christoph Rensing. ISBN 3-8325-1330-2. Logos Verlag, 2006, pp. 35–42.
- [45] Andrea Kohlhase. “The User as Prisoner: How the Dilemma Might Dissolve”. In: *2<sup>nd</sup> Workshop on Learner Oriented Knowledge Management & KM Oriented e-Learning*. Ed. by Martin Memmel, Eric Ras, and Stephan Weibelzahl. Online Proceedings at <http://cnm.open.ac.uk/projects/ectel06/pdfs/ECTEL06WS68d.pdf>. 2006, pp. 26–31. URL: [http://dimeb.informatik.uni-bremen.de/documents/LOKMOL2006\\_UserAsPrisoner.pdf](http://dimeb.informatik.uni-bremen.de/documents/LOKMOL2006_UserAsPrisoner.pdf).
- [46] Andrea Kohlhase. “CPoint’s Mathematical User Interface”. In: *Mathematical User Interfaces*. Ed. by Paul Libbrecht. 2004. URL: <http://dimeb.informatik.uni-bremen.de/documents/DeLFI2006CPointContentAuthoringForELectures.pdf>.

## Prüfungsarbeiten

- [47] Andrea Kohlhase. “Semantic Interaction Design: Composing Knowledge with CPoint”. PhD thesis. Computer Science, Universität Bremen, Apr. 2008. URL: [http://kwarc.info/ako/pubs/AKo\\_Promo.pdf](http://kwarc.info/ako/pubs/AKo_Promo.pdf).

## Akademische Tätigkeiten: Andrea Kohlhasse

### Programmkomitee (Co-)Chair

- FGWM at LWA 2013 (Fachgruppe Wissensmanagement; Lernen, Wissen, Adaption)
- MathUI at CICM 2013 (Mathematical User Interfaces; Conferences on Intelligent Computer Mathematics)

### Programmkomitee-Mitglied

- ISDOC 2013 (International Conference on Information Systems and Design of Communication)
- MKM at CICM 2013 (Mathematical Knowledge Management; Conferences on Intelligent Computer Mathematics)
- DML at CICM 2013 (Digital Mathematical Libraries; Conferences on Intelligent Computer Mathematics)
- AISC at CICM 2012 (Artificial Intelligence and Symbolic Computation; Conferences on Intelligent Computer Mathematics)
- MathUI at CICM 2012 (Mathematical User Interfaces; Conferences on Intelligent Computer Mathematics)
- FGWM at LWA 2012 (Fachgruppe Wissensmanagement; Lernen, Wissen, Adaption)
- MKM at CICM 2011 (Mathematical Knowledge Management; Conferences on Intelligent Computer Mathematics)
- FGWM at LWA 2011 (Fachgruppe Wissensmanagement; Lernen, Wissen, Adaption)

### Reviewing

- CHI 2013 (Computer Human Interaction Conference)
- IUI 2013 (Intelligent User Interfaces Conference)
- CICM 2013 (Conferences on Intelligent Computer Mathematics)
- MathUI at CICM 2013 (Mathematical User Interfaces; Conferences on Intelligent Computer Mathematics)
- iJET 2013 (International Journal of Emergent Technologies in Learning)
- OSDOC 2013 (Open Source and Design of Communication Workshop)
- AISC 2012 (Artificial Intelligence and Symbolic Computation Conference)
- CHI 2012 (Computer Human Interaction Conference)
- IUI 2012 (Intelligent User Interfaces Conference)
- CICM 2012 (Conferences on Intelligent Computer Mathematics)
- LWA 2012 (Lernen, Wissen, Adaption Konferenz)
- OSDOC 2012 (Open Source and Design of Communication Workshop)
- MathUI at CICM 2012 (Mathematical User Interfaces; Conferences on Intelligent Computer Mathematics)
- Bentham Science Publishers 2011 (Buchgutachten)
- LWA 2011 (Lernen, Wissen, Adaption Konferenz)
- OSDOC 2011 (Open Source and Design of Communication Workshop)
- iJET 2009 (International Journal of Emergent Technologies in Learning)
- iJET 2008 (International Journal of Emergent Technologies in Learning)

### Mitgliedschaften

seit 2004 ACM (Association for Computing Machinery)