

Dr. Matthias Korn

November 2016

Scientific Focus Areas

Computer-Supported Cooperative Work	e-Science / Science Collaboration
Human-Computer Interaction	Urban and Community Informatics
Participatory Design	Mobile and Ubiquitous Computing

Current Positions

- 10/2015 – present **Postdoc**, *Institute for Information Systems, Fak. III, University of Siegen, Germany.*
Computer Supported Cooperative Work and Social Media Group
- 01/2016 – present **Postdoc**, *Collaborative Research Center 1187: Media of Cooperation, University of Siegen, Germany.*

Education

- 12/2009 – 01/2013 **PhD**, *Aarhus University, Denmark.*
Human-Computer Interaction, Advisor: Prof. Susanne Bødker
Thesis: Situating Engagement – Ubiquitous Infrastructures for In-Situ Civic Engagement
- 10/2004 – 09/2009 **Dipl.-Wirt.Inform.**, *University of Siegen, Germany.*
Information Systems, Advisor: Prof. Volker Wulf
Thesis: Splat2 – Project Management for Group-oriented Project Work in Intercultural Computer Clubs (translated from German)
- 09/2005 – 02/2006 —, *Tongji University, Shanghai, China.*
Business Administration and Chinese
- 10/2002 – 09/2004 —, *Technical University of Ilmenau, Germany.*
Commercial Information Technology

Experience

- 02/2014 – 09/2015 **Postdoc**, *School of Informatics & Computing, Indiana University, Indianapolis, IN.*
Philanthropic Informatics Lab
- 02/2013 – 12/2013 **Postdoc**, *Participatory IT Centre, Aarhus University, Denmark.*
Computer Mediated Activity Group
- 11/2011 – 03/2012 **Visiting Scholar**, *Mobile Life Centre, Stockholm, Sweden.*
Future Applications Lab and Pervasive Games Group
- 10/2007 – 09/2009 **Student Research Assistant**, *University of Siegen, Germany.*
Information Systems and New Media Group
- 10/2006 – 08/2008 **(Web) Developer**, *infotrax GmbH – ProMeta, Siegen, Germany.*
11/2004 – 09/2005 Holistic Information Management
- 03/2006 – 09/2006 **IT Manager (Interim)**, *PV Conseils Shanghai Ltd., Shanghai, China.*
Introduction of an ERP System, eCommerce
- 08/2004 – 09/2004 **Web Developer**, *elephant seven AG, Nuremberg, Germany.*
Intranet Portals, Content Management Systems & Online Communities

Publications

Up-to-date numbers of citations for these publications can be obtained from my Google Scholar profile at <http://bit.ly/scholar-korn>.

PhD Dissertation

- [1] Matthias Korn. *Situating Engagement: Ubiquitous Infrastructures for In-Situ Civic Engagement*. PhD thesis, Aarhus University, 2013.

Refereed Conference Papers

- [2] Matthias Korn and Susann Wagenknecht. Friction in arenas of repair: Hacking, security research, and mobile phone infrastructure. In *Proceedings of the 20th ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW 2017)*, New York: ACM Press, 2017, in press. [Acceptance rate: 34.5%].
- [3] Ellie Harmon, Matthias Korn, and Amy Volda. Supporting everyday philanthropy: Care work in situ and at scale. In *Proceedings of the 20th ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW 2017)*, New York: ACM Press, 2017, in press. [Acceptance rate: 34.5%].
- [4] Susann Wagenknecht and Matthias Korn. Hacking as transgressive infrastructuring: Mobile phone networks and the German Chaos Computer Club. In *Proceedings of the 19th ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW 2016)*, pages 1104–1117, New York: ACM Press, 2016. [Acceptance rate: 24.9%].
- [5] Matthias Korn and Amy Volda. Creating friction: Infrastructuring civic engagement in everyday life. In *Proceedings of the 5th decennial Aarhus conference (Critical Alternatives 2015)*, pages 145–156, New York: ACM Press, 2015. [Acceptance rate: 25.0%].
- [6] Amy Volda, Zheng Yao, and Matthias Korn. (Infra)structures of volunteering. In *Proceedings of the 18th ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW 2015)*, pages 1704–1716, New York: ACM Press, 2015. [Acceptance rate: 28.3%].
- [7] Susanne Bødker, Clemens Nylandsted Klokmoose, Matthias Korn, and Anna Maria Polli. Participatory IT in semi-public spaces. In *Proceedings of the 8th Nordic Conference on Human-Computer Interaction (NordiCHI 2014)*, pages 765–774, New York: ACM Press, 2014. [Acceptance rate: 24.6%].
- [8] Clemens Nylandsted Klokmoose, Matthias Korn, and Henrik Blunck. Wifi proximity detection in mobile web applications. In *Proceedings of the 2014 ACM SIGCHI Symposium on Engineering Interactive Computing Systems (EICS 2014)*, pages 123–128, New York: ACM Press, 2014. [Acceptance rate: –].
- [9] Matthias Korn and Jon Back. Talking it further: From feelings and memories to civic discussions in and about places. In *Proceedings of the 7th Nordic Conference on Human-Computer Interaction (NordiCHI 2012)*, pages 189–198, New York: ACM Press, 2012. [Acceptance rate: 24.6%].
- [10] Matthias Korn and Susanne Bødker. Looking ahead – how field trials can work in iterative and exploratory design of ubicomp systems. In *Proceedings of the 14th ACM International Conference on Ubiquitous Computing (UbiComp 2012)*, pages 21–30, New York: ACM Press, 2012. [Acceptance rate: 19.3%].
- [11] Morten Bohøj, Nikolaj Gandrup Borchorst, Susanne Bødker, Matthias Korn, and Pär-Ola Zander. Public deliberation in municipal planning: Supporting action and

reflection with mobile technology. In *Proceedings of the 5th International Conference on Communities and Technologies (C&T 2011)*, pages 88–97, New York: ACM Press, 2011. [Acceptance rate: 29.4%].

Refereed Conference Posters

- [12] Anna Maria Polli, Matthias Korn, and Clemens Nylandsted Klokmose. Local Area Artworks: Collaborative art interpretation on-site. In *Adjunct Proceedings of the 2013 ACM International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp 2013 Adjunct)*, pages 79–82, New York: ACM Press, 2013.
- [13] Matthias Korn, Raghid Kawash, and Lisbet Andersen. Surprise trips: A system to augment the natural experience of exploration. In *Adjunct Proceedings of the 12th ACM International Conference on Ubiquitous Computing (UbiComp 2010 Adjunct)*, pages 413–414, New York: ACM Press, 2010.
- [14] Matthias Korn and Michael Veith. Learning support through scaffolding collaborative project work. In *Proceedings of the 9th International Conference on Computer Supported Collaborative Learning (CSCL 2009) – Volume 2*, pages 73–75, International Society of the Learning Sciences, 2009.
- [15] Matthias Korn and Michael Veith. Scaffolding collaborative project work in end-user development. In *Proceedings of the Work-in-Progress Session of the Second International Symposium on End User Development (IS-EUD 2009)*, volume 6(1) of *International Reports on Socio-Informatics*, pages 9–12, 2009.

Position Papers

- [16] Ellie Harmon, Matthias Korn, Ann Light, and Amy Volda. Designing against the status quo. In *Proceedings of the 2016 ACM Conference Companion Publication on Designing Interactive Systems (DIS 2016 Companion)*, pages 65–68, New York: ACM Press, 2016.
- [17] Matthias Korn. Hybrid wireless networks for neighborhood communities. In *Workshop on Residents' Democratic Engagement in Public Housing and Urban Areas at Aarhus 2015: Critical Alternatives*, Aarhus, Denmark, August 17-21, 2015.
- [18] Matthias Korn, Anna Maria Polli, and Clemens Nylandsted Klokmose. Experiences from a real-time mobile collaborative writing system in an art gallery. In *Workshop on Designing Mobile Face-to-Face Group Interactions at ECSCW 2013*, Paphos, Cyprus, September 21-25, 2013.
- [19] Matthias Korn and Clemens Nylandsted Klokmose. Putting 'local' back into public wifi hotspots. In *Workshop on Computer Mediated Social Offline Interactions at Ubicomp 2012*, Proceedings of the 14th ACM International Conference on Ubiquitous Computing (Ubicomp 2012), pages 800–801, New York: ACM Press, 2012.
- [20] Clemens Nylandsted Klokmose and Matthias Korn. On the degree of participant commitment in non-work settings. In *Workshop on Participation – basic concepts and research challenges at PDC 2012*, Roskilde, Denmark, August 12-16, 2012.
- [21] Matthias Korn. Place and situated deliberation in participatory planning – a research proposal. In *Workshop on Government and Citizen Engagement at C&T 2011*, volume 8(2) of *International Reports on Socio-Informatics*, pages 41–48, 2011.
- [22] Matthias Korn and Pär-Ola Zander. From workshops to walkshops: Evaluating mobile location-based applications in realistic settings. In *Workshop on Observing the Mobile User Experience at NordiCHI 2010*, pages 29–32, Reykjavik, Iceland, October 16-20, 2010.

- [23] Matthias Korn. Understanding use situated in real-world mobile contexts. In *Workshop on Research in the large: Using App Stores, Markets and other wide distribution channels in UbiComp research at UbiComp 2010*, Copenhagen, Denmark, September 26-29, 2010.
- [24] Matthias Korn. Methodological reflections on working with young children. In *Proceedings of the Ninth Danish Human-Computer Interaction Research Symposium (DHRS 2009)*, pages 42–44, Aarhus, Denmark, December 14, 2009.
- [25] Anne Weibert, Matthias Korn, Thomas von Rekowski, and Kai Schubert. How come_IN computer clubs may foster collaboration in an intercultural neighborhood. In *Workshop on Culture and Technologies for Social Interaction at INTERACT 2009*, Uppsala, Sweden, August 24-25, 2009.

Edited Volumes

- [26] Matthias Korn, Tommaso Colombino, and Myriam Lewkowicz, editors. *ECSCW 2013 Adjunct Proceedings: The 13th European Conference on Computer Supported Cooperative Work, 21-25 September 2013, Paphos, Cyprus*, number 596 in DAIMI Report Series. Aarhus: Department of Computer Science, Aarhus University, 2013.
- [27] Nikolaj Gandrup Borchorst, Susanne Bødker, Nathalie Colineau, Matthias Korn, and Cécile Paris, editors. *Proceedings of the C&T 2011 Workshop on Government and Citizen Engagement [Special issue]*, volume 8(2) of *International Reports on Socio-Informatics*, 2011.

Editorials

- [28] Scott Anderson, Nikolaj Gandrup Borchorst, Susanne Bødker, Nathalie Colineau, Amanda Dennett, Matthias Korn, and Cécile Paris. Introduction to the workshop on government and citizen engagement. In *International Reports on Socio-Informatics*, volume 8(2), pages 5–7, 2011.

Selected Software

- 2014/2015 **For Goodness Sake!**, *Lead Designer and Lead Developer*, Philanthropic Informatics Lab, School of Informatics and Computing, Indiana University, Indianapolis.
Research instrument for in-situ, thick, and multimodal mobile diary studies.
Native Android app and PHP/MySQL/JavaScript server back-end.
- 2013/2014 **ProxiMagic (see [7, 8])**, *Designer and Developer (together with C.N. Klokmoese)*, Participatory Information Technology Centre, Aarhus University.
Demonstrator for proximity detection in mobile web applications; requires no software installation on client devices; relies on instrumenting points-of-interest with low-cost sensing nodes.
JavaScript-based mobile web user interface and Raspberry Pi sensing nodes.
- 2011/2012 **Mening@Park (see [10])**, *Lead Designer and Lead Developer (based on Mobile Democracy)*, Department of Computer Science, Aarhus University.
Research prototype for mobile, place-based discussions.
Native Android app and Google Web Toolkit (GWT)/MySQL server back-end.
- 2010/2011 **AR City (see [1])**, *Designer and Developer (together with M. Kumarathurai)*, Department of Computer Science, Aarhus University.
Demonstrator for visualizing planned buildings using augmented reality.
Native Android app.
- 2010/2011 **Mobile Democracy (see [11])**, *Designer (together with M. Bohøj, N.G. Borchorst, and P.-O. Zander)*, Department of Computer Science, Aarhus University.
Research prototype for mobile, place-based discussions.
Native Android app, GWT-based web interface, and GWT/MySQL server back-end.

- 2010/2011 **Splatch 2 (see [25])**, *Lead Designer and Lead Developer*, Information Systems and New Media group, University of Siegen.
Research prototype for supporting group work of children in intercultural computer clubs.
Smalltalk Squeak application.

Invited Talks

Situated Engagement.

- University of Zurich, Zurich, Switzerland, June 23, 2015.

Hacking as Transgressive Infrastructuring: Mobile Phone Networks and the German Chaos Computer Club.

- IT University, Copenhagen, Denmark, April 13, 2015.
- Participatory IT Centre, Aarhus University, Denmark, April 10, 2015.

Situated Engagement: Participatory Planning with Mobile Phones.

- Boligkontoret Aarhus, Aarhus, Denmark, May 23, 2013.

Situating Engagement: Ubiquitous Infrastructures for In-Situ Civic Engagement.

- Participatory IT Centre, Aarhus University, Denmark, April 15, 2013.

From Hybrid Spaces to Experiencing Augmented Places.

- Workshop on Mobile Communication as a Cultural, Spatial and Social Phenomenon, Aarhus University, Denmark, March 29-30, 2012.
- Södertörn University, Huddinge, Sweden, January 27, 2012.
- KTH Royal Institute of Technology, Stockholm, Sweden, January 25, 2012.
- Mobile Life Centre, Stockholm, Sweden, November 23, 2011.

Embedded Citizen Participation.

- University of Siegen, Siegen, Germany, November 26, 2010

Teaching

Institute of Information Systems, University of Siegen

- Spring 2016 **Lecture**, *Information Systems Design*, Bachelor level.
- Spring 2015 **Guest Lecture**, *INFO H566: Experience Design for Ubiquitous Computing*, Master level.
Ubiquitous computing applications: Context-aware systems and smart environments.
- Fall 2014 **Guest Lecture**, *INFO H541: Human-Computer Interaction I*, Master level.
For Goodness Sake! A Study of Everyday Philanthropy.
- Spring 2014 **Guest Lecture**, *INFO I305: Introduction to Research in Informatics*, Bachelor level.
Final paper editing workshop.

Department of Computer Science, Aarhus University

- Fall 2013 **External Censor**, *Advanced Physical Computing*, Bachelor level.
- Spring 2011 **Lecturer**, *Web Programming*, Master level (part time).
- Fall 2010 **Lecturer**, *Interaction Programming*, Master level.
- Fall 2010 **Teaching Assistant**, *Pervasive Computing*, Bachelor level.
- Spring 2010 **Teaching Assistant**, *Interaction Design (Usability)*, Bachelor level.

Supervision

Indiana University School of Informatics and Computing, Indianapolis

- Spring 2015 **Project Co-Supervisor**, *INFO I499: Readings and Research in Informatics*, Bachelor level.
Implementation of web-based data visualization techniques.

- Fall 2014 **Project Co-Supervisor**, *NSF Undergraduate Research Fellowship*, Bachelor level.
Implementation of web-based study data collection, retrieval, and presentation interfaces.
Department of Computer Science, Aarhus University
- Fall 2013 **Project Co-Supervisor**, *Practical Research Projects (PREP)*, Master level.
Improving Interaction Techniques to Handle Ambiguities in Indoor Positioning via Feedback.
- Fall 2011 **Project Co-Supervisor**, *Practical Research Projects (PREP)*, Master level.
A Study of Mobile Location-aware Services' Use of Space and Place.

Research Projects Involved

- SFB 1187 Media of Cooperation
INF: Infrastructure Concepts for the Study of Cooperative Media
- Public-NPO Partnerships
Exploring the Emergent Dynamics Between Nonprofit Organizations and a Technologically-Enabled, Innovative Public (NSF #1218051)
- PIT
Participatory Information Technology Centre
- eGov+
Exploring Design and Use of Transparent and Tailorable IT in Local Government, beyond Web 2.0
- come_IN
Intercultural Learning by Means of Computer-Supported Project Work
- SFB/FK 615 Media Upheavals
B10: End User Development of Software Applications – An Exemplary Analysis of a Media Technological Challenge?
- Emergency Communication
Proactive Communication Management in Emergency and Accident Situations

Honors & Awards

- 2013 **Dissertation Award (2nd Place)**, *Section on CSCW and Social Computing, German Informatics Society (GI e.V.)*.
- 2010 **Honorary Certificate**, *University of Siegen, Germany*.
In recognition of outstanding achievements among the top 10 percent of graduates of this degree program.
- 2009 **3-year PhD Fellowship**, *Aarhus Graduate School of Science, Denmark*.

Service

Conference Program Committees

General Co-Chair, *Infrastructures of Publics—Publics of Infrastructures*, December 2016, Siegen, Germany.

First Annual Conference of the Collaborative Research Center 1187: Media of Cooperation.

Program Committee, *ECSCW (2017, 2015), C&T 2017, NordiCHI (2016, 2014), Aarhus 2015: Critical Alternatives*.

Workshops and Master Classes Co-Chair, *ECSCW 2013*.

Workshop Program Committees

Co-Organizer, *Designing Against the Status Quo Workshop, DIS 2016*.

Program Committee, *Interdisciplinary Workshop on Do-It-Yourself Networking, MobiSys 2015*.

Program Committee, *Personal or Social? Designing Mobile Interactions for Co-located Interaction Workshop, NordiCHI 2014*.

Program Committee, *Ubiquitous Mobile Instrumentation Workshop, Ubicomp 2013*.

Program Committee, *Ubiquitous Mobile Instrumentation Workshop, Ubicomp 2012*.
Co-Organizer, *Government and Citizen Engagement Workshop, C&T 2011*.

Other

Publicity Co-Chair, *C&T 2017*.

Student Volunteer Co-Chair, *ECSCW 2011*.

Part of Local Organization, *MobileHCI 2009*.

Local Organization, *IS-EUD 2009*.

Reviewing

Journals JCSCW, PUC, HCI, TOCHI
Conferences CSCW (2017, 2016, 2015), CHI (2017, 2016, 2015, 2014), DIS (2016, 2014, 2010),
MobileHCI 2013, NordiCHI 2012, TEI 2012, Ubicomp 2010

Membership

Member of the Special Interest Group on Computer-Human Interaction (ACM SIGCHI)

Member of the Chaos Computer Club e.V. (CCC)

Founding Member of the come_IN e.V. – A Network of Cross-cultural Computer Clubs

Founding Board Member of Hack Århus

Founding Member of Open Space Aarhus (OSAA)