

# 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

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## 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.

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## 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.

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## 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

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## 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.

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## 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)