

Dr. Matthias Korn

September 2018

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

- since 10/2015 **Postdoc**, *Institute for Information Systems, University of Siegen, Germany.*
Computer Supported Cooperative Work and Social Media Group (Prof. Volkmr Pipek)
- since 01/2016 **Postdoc**, *Collaborative Research Center 1187: Media of Cooperation, University of Siegen, Germany.*

Education

- 2009–13 **PhD, Human-Computer Interaction**, *Aarhus University, Denmark.*
(3 years, 2 months) Thesis: Situating Engagement – Ubiquitous Infrastructures for In-Situ Civic Engagement (advisor: Prof. Susanne Bødker)
- 2004–09 **Dipl.-Wirt.Inform., Information Systems**, *University of Siegen, Germany.*
(5 years, incl. 1 yr in China) Thesis: Splatch 2 – Project Management for Group-oriented Project Work in Intercultural Computer Clubs (title translated from German; advisor: Prof. Volker Wulf)
- 2005/06 —, *Tongji University, Shanghai, China.*
(6 months) Business Administration and Chinese
- 2002–04 —, *Technical University of Ilmenau, Germany.*
(2 years) Commercial Information Technology

Experience

- 2014/15 **Postdoc**, *School of Informatics & Computing, Indiana University, Indianapolis, IN, USA.*
(1 year, 8 months) Philanthropic Informatics Lab (Prof. Amy Volda)
- 2013 **Postdoc**, *Center for Participatory IT, Aarhus University, Denmark.*
(11 months) Computer Mediated Activity Group (Prof. Susanne Bødker)
- 2011/12 **Visiting Scholar**, *Mobile Life Centre, Stockholm, Sweden.*
(5 months) Future Applications Lab (Lars Erik Holmquist & Henriette Cramer) and Pervasive Games Group (Prof. Annika Waern)
- 2007–09 **Student Research Assistant**, *University of Siegen, Germany.*
(2 years) Information Systems and New Media Group (Prof. Volker Wulf)
- 2004–08 **(Web) Developer**, *infotrax GmbH – ProMeta, Siegen, Germany.*
(2 years, 10 months, with interruption) Holistic Information Management
- 2006 **IT Manager (Interim)**, *PV Conseils Shanghai Ltd., Shanghai, China.*
(7 months) Introduction of an ERP System, eCommerce
- 2004 **Web Developer**, *elephant seven AG, Nuremberg, Germany.*
(2 months) Intranet Portals, Content Management Systems & Online Communities

Publications

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

Edited Books

- [1] Matthias Korn, Wolfgang Reißmann, Tobias Röhl, and David Sittler, editors. *Infrastructuring Publics*. Springer VS, 2019, in press.

Book Chapters

- [2] Matthias Korn, Wolfgang Reißmann, Tobias Röhl, and David Sittler. Infrastructuring publics: A research perspective. In Matthias Korn, Wolfgang Reißmann, Tobias Röhl, and David Sittler, editors, *Infrastructuring Publics*. Springer VS, 2019, in press.
- [3] Gunnar Stevens, Markus Rohde, Matthias Korn, and Volker Wulf. Grounded design: A research paradigm in practice-based computing. In Volker Wulf, Volkmar Pipek, Dave Randall, Markus Rohde, Kjeld Schmidt, and Gunnar Stevens, editors, *Socio-Informatics: A Practice-Based Perspective on the Design and Use of IT Artifacts*, pages 23–46. Oxford University Press, Oxford, UK, 2018.

Journal Articles

- [4] Laura Kocksch, Matthias Korn, Andreas Poller, and Susann Wagenknecht. Caring for IT security: Accountabilities, moralities, and oscillations in IT security practices. *Proceedings of the ACM on Human-Computer Interaction*, 2(CSCW):92:1–92:20, 2018.
- [5] Gaia Mosconi, Matthias Korn, Christian Reuter, Peter Tolmie, Maurizio Teli, and Volkmar Pipek. From Facebook to the neighbourhood: Infrastructuring of hybrid community engagement. *Computer Supported Cooperative Work*, 26(4):959–1003, Dec 2017.

Refereed Conference Papers

- [6] 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)*, pages 2475–2488, New York: ACM Press, 2017. [Acceptance rate: 34.5%].
- [7] 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)*, pages 1631–1645, New York: ACM Press, 2017. [Acceptance rate: 34.5%].
- [8] 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%].
- [9] 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%].
- [10] 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%].
- [11] Susanne Bødker, Clemens Nylandstedt 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%].

- [12] Clemens Nylandsted Klokmose, 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: 42.8%].
- [13] 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%].
- [14] 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%].
- [15] 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

- [16] 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.
- [17] 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.
- [18] 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.
- [19] Matthias Korn and Michael Veith. Scaffolding collaborative project work in end-user development. *Proceedings of the Work-in-Progress Session of the Second International Symposium on End User Development (IS-EUD 2009)*, *International Reports on Socio-Informatics*, 6(1):9–12, 2009.

Position Papers

- [20] Matthias Korn, Aparecido Fabiano Pinatti de Carvalho, Amanda Langer, Phillipe Zotz, Volker Wulf, and Volkmar Pipek. Nomadic culture in academic settings: Pervasive commuting and institutional support as defining elements. *Proceedings of the ECSCW 2017 Workshop on Nomadic Cultures Beyond Work Practices*, *International Reports on Socio-Informatics*, 14(3):21–27, 2017.
- [21] Matthias Korn and Volkmar Pipek. Appropriation infrastructures for research communities of practice. In *CSCW 2017 Workshop on E-Infrastructures for Research Collaboration: The Case of the Social Sciences and Humanities*, 2017.

- [22] Matthias Korn, Marén Schorch, Volkmar Pipek, Matthew Bietz, Carsten Østerlund, Rob Procter, David Ribes, and Robin Williams. E-infrastructures for research collaboration: The case of the social sciences and humanities. In *Companion of the 2017 ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW 2017 Companion)*, pages 415–420, New York: ACM Press, 2017.
- [23] 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.
- [24] 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*, 2015.
- [25] Matthias Korn, Anna Maria Polli, and Clemens Nylandsted Klokmose. Experiences from a real-time mobile collaborative writing system in an art gallery. In *ECSCW 2013 Workshop on Designing Mobile Face-to-Face Group Interactions*, 2013.
- [26] Matthias Korn and Clemens Nylandsted Klokmose. Putting 'local' back into public wifi hotspots. In *Workshop on Computer Mediated Social Offline Interactions, Proceedings of the 14th ACM International Conference on Ubiquitous Computing (UbiComp 2012)*, pages 800–801, New York: ACM Press, 2012.
- [27] Clemens Nylandsted Klokmose and Matthias Korn. On the degree of participant commitment in non-work settings. In *PDC 2012 Workshop on Participation – basic concepts and research challenges*, 2012.
- [28] Matthias Korn. Place and situated deliberation in participatory planning – a research proposal. *Proceedings of the C&T 2011 Workshop on Government and Citizen Engagement, International Reports on Socio-Informatics*, 8(2):41–48, 2011.
- [29] Matthias Korn and Pär-Ola Zander. From workshops to walkshops: Evaluating mobile location-based applications in realistic settings. In *NordiCHI 2010 Workshop on Observing the Mobile User Experience*, pages 29–32, 2010.
- [30] Matthias Korn. Understanding use situated in real-world mobile contexts. In *UbiComp 2010 Workshop on Research in the large: Using App Stores, Markets and other wide distribution channels in UbiComp research*, 2010.
- [31] 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, 2009.
- [32] Anne Weibert, Matthias Korn, Thomas von Rekowski, and Kai Schubert. How come_IN computer clubs may foster collaboration in an intercultural neighborhood. In *INTERACT 2009 Workshop on Culture and Technologies for Social Interaction*, 2009.

Magazine Articles

- [33] Vera Khovanskaya, Lynn Dombrowski, Ellie Harmon, Matthias Korn, Ann Light, Michael Stewart, and Amy Volda. Designing against the status quo. *Interactions*, 25(2):64–67, February 2018.

Edited Volumes

- [34] 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, DAIMI Report Series*, volume 40(596), 2013.

- [35] 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], International Reports on Socio-Informatics*, volume 8(2), 2011.

Editorials

- [36] 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. *International Reports on Socio-Informatics*, 8(2):5–7, 2011.

PhD Dissertation

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

Selected Software

- 2014/15 **For Goodness Sake! (see [7])**, *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, PHP/JavaScript analysis front-end, and LAMP server back-end.
- 2013/14 **ProxiMagic (see [11, 12])**, *Designer and Developer (together with C.N. Klokmoose)*, Center for Participatory IT, 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.
- 2011/12 **Mening@Park (see [14])**, *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.
- 2010/11 **AR City (see [37])**, *Designer and Developer (together with M. Kumarathurai)*, Department of Computer Science, Aarhus University. Demonstrator for visualizing planned buildings using augmented reality. Native Android app.
- 2010/11 **Mobile Democracy (see [15])**, *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.
- 2010/11 **Splatch 2 (see [32])**, *Lead Designer and Lead Developer*, Institute for Information Systems, University of Siegen. Research prototype for supporting project 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.
- Center for Participatory IT, 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.

- Center for Participatory IT, 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

- since **Lecturer**, *Information Systems Design*, Bachelor level.
Summer 2016 Full responsibility in 2016—incl. re-organization, overhaul, and updating of the lecture. Substitute for several lectures each term ever since.
- since **Examiner**, *Exam Colloquium of the Interdisciplinary Master Media and Society*, Master level.
Winter 2015/16
- Summer 2018 **Instructor**, *Seminar on Cooperative/Social Media and Human-Computer Interaction*, Bachelor and Master level.
- Summer 2018 **Co-Instructor**, *Collaborative Term Project of the Interdisciplinary Master Media and Society*, Master level.
Theme: Mediatization of the world: Strategies in augmented reality.
- Winter 2016/17 **Guest Lecturer at Newcastle University, School for Architecture, Planning and Landscape**, *TCP2031: Digital Civics*, Bachelor level.
Situated Engagement: Mobile Phones for Civic Participation.

Indiana University School of Informatics and Computing, Indianapolis

- Spring 2015 **Guest Lecturer**, *INFO H566: Experience Design for Ubiquitous Computing*, Master level.
Fall 2014 **Guest Lecturer**, *INFO H541: Human-Computer Interaction I*, Master level.
Spring 2014 **Guest Lecturer**, *INFO I305: Introduction to Research in Informatics*, Bachelor level.

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

Institute of Information Systems, University of Siegen

- since Supervision of, in total, more than 15 Master and Bachelor theses, term projects, and term papers on Master and Bachelor level in Information Systems, Human-Computer Interaction, and Media Studies programs.
Summer 2016

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

- 2017– **COST Action 16121 SharingAndCaring**, *From Sharing to Caring: Examining Socio-Technical Aspects of the Collaborative Economy*, Member of Core Group and Co-Lead of WG 2 on Platforms for the Collaborative Economy.
- 2016– **SFB 1187 Media of Cooperation**, *Project INF: Infrastructure Concepts for the Study of Cooperative Media*, Project Co-Coordinator.
- 2014–16 **Public-NPO Partnerships**, *Exploring the Emergent Dynamics Between Nonprofit Organizations and a Technologically-Enabled, Innovative Public (NSF #1218051)*.
- 2012– **PIT**, *Center for Participatory IT*, Aarhus University, Denmark.
- 2007–11 **eGov+**, *Exploring Design and Use of Transparent and Tailorable IT in Local Government, beyond Web 2.0*.
- 2005–10 **come_IN**, *Intercultural Learning by Means of Computer-Supported Project Work*.
- 2005–10 **SFB/FK 615 Media Upheavals**, *Project B10: End User Development of Software Applications – An Exemplary Analysis of a Media Technological Challenge?*.
- 2006–08 **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

Program Committee, *CSCW 2018 Online First, ECSCW (2017, 2015), C&T (2019, 2017), NordiCHI (2016, 2014), Aarhus 2015: Critical Alternatives*.

General Co-Chair, *Infrastructures of Publics—Publics of Infrastructures*, 2016.
First Annual Conference of the Collaborative Research Center 1187: Media of Cooperation.

Case Studies Co-Chair, *C&T 2019*.

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

Workshop Program Committees

Co-Organizer, *COST CA16121 Workshop on Digital Platforms for the Collaborative Economies*, ECSCW 2017.

Co-Organizer, *Interdisciplinary Workshop on The Practice Turn in IT Security*, Center for Advanced Internet Studies (CAIS), Ruhr University Bochum, 2017.

Lead Organizer, *Workshop on E-Infrastructures for Research Collaboration: The Case of the Social Sciences and Humanities*, CSCW 2017.

Lead Organizer, *SFB 1187 Workshop on Infrastructuring eResearch: Challenges in the Sustainability of Research Tools and Platforms*, University of Siegen, 2017.

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 JUT, JCSCW, PUC, HCI, TOCHI, MiA.

Conferences ECSCW (2018), CSCW (2018 Second Cycle, 2017, 2016, 2015), CHI (2018, 2017, 2016, 2015, 2014), DIS (2018, 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)