

Tilman Dingler, Ph.D.

Curriculum Vitae

Research Fellow & Associate Lecturer
School of Computing and Information Systems
University of Melbourne
Melbourne, Australia

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ABOUT

Tilman Dingler is a Research Fellow and Associate Lecturer at the School of Computing and Information Systems at the University of Melbourne. He holds a Ph.D. in Computer Science from the University of Stuttgart, a Master of Science Degree from the University of San Francisco, a Diploma from the Ludwig-Maximilians-University of Munich, and an Honors Degree from the Center of Digital Technology and Management at the University of Munich. Before coming to Melbourne, Tilman was a Project Assistant Professor at Osaka Prefecture University in Japan and spent some time as a visiting post-doc at the MIT Media Lab. In between his academic career, Tilman worked in Industry as an engineer at Yahoo! Inc. and TinyCo. His research focuses on building cognition-aware technologies that help people process information more effectively and augment human cognition.

EDUCATION

Ph.D. Human-Computer Interaction, University of Stuttgart, Germany • 2012 - 2016

Official concentration in Computer Science. Advisor: Albrecht Schmidt.

Thesis: Cognition-aware Systems to Support Information Intake and Learning.

Committee: Jonas Kuhn, Albrecht Schmidt, Marc Langheinrich, Daniel Weiskopf, Steve Whittaker.

M.Sc. Web Science, University of San Francisco, U.S.A. • 2010 - 2011

Fulbright Scholar.

Honors Degree in Technology Management, University of Munich, Germany • 2007 - 2009

Center for Digital Technology and Management (CDTM).

Diploma Media Computer Science, University of Munich, Germany • 2004 - 2010

Official concentration in Human-Computer Interaction. Advisor: Andreas Butz.

Thesis: AudioFeeds - A Mobile Auditory Application for Monitoring Online Activities.

RESEARCH POSITIONS

Research Fellow and Associate Lecturer, University of Melbourne, Australia • since 05/2018

Post-doctoral researcher at the Interaction Design Lab. Manager: Vassilis Kostakos.

Visiting Researcher, MIT Media Lab, U.S.A. • 01/2018 - 03/2018

Research on cognitive interventions via thermo-feedback as well as active learning environments in VR at the Fluid Interaction Group. Collaborator: Pattie Maes.

Project Assistant Professor, Osaka Prefecture University, Japan • 04/2017 - 12/2017

- Department of Computer Science and Intelligent Systems at Osaka Prefecture University
- Researcher at Keio University, Graduate School for Media Design (KMD)

Visiting Researcher, University of Cape Town, South Africa • 02/2017 - 04/2017

Department of Computer Science. Project: Mobile learning support in ICT4D. Collaborator: Melissa Densmore.

Research Assistant, University of San Francisco, U.S.A. • 03/2011 - 05/2011

Department of Computer Science. Project: Malicious JavaScript detection. Advisor: Eunjin Jung.

Research Assistant, University of Glasgow, U.K. • 10/2009 - 08/2010

Department of Computing Science. Project: 3D sound environments and haptic feedback on mobile devices.

Advisors: Stephen Brewster, Roderick Murray-Smith.

Visiting Researcher, University of California Berkeley, U.S.A. • 08/2008 - 01/2009

School of Information. Project: Collaborative User Interface Design. Advisors: Yale Braunstein, Patrick Nepper.

Visiting Researcher, Georgia Institute of Technology, U.S.A. • 08/2007 - 11/2007

Department for Psychology. Project: System for wearable audio navigation. Advisor: Bruce Walker.

INDUSTRY POSITIONS

Research Scientist Intern, Telefónica R&D, Barcelona, Spain • 04/2014 - 08/2014

Project: Building prediction models to detect users' attentional states. Collaborators: Martin Pielot, Nuria Oliver.

Software Development Engineer, TinyCo Inc., San Francisco, U.S.A. • 06/2012 - 11/2012

Mobile gaming company. Role: Back-End Engineer.

Software Development Engineer, Yahoo! Inc., Sunnyvale, U.S.A. • 01/2012 - 06/2012

Media and technology company. Role: Front-End Engineer.


Software Engineer Intern, Yahoo! Inc., Sunnyvale, U.S.A. • 06/2011 - 12/2011

Media and technology company. Role: Front-End Engineering Intern.

PUBLICATIONS

Refereed Conference Papers (Full)

- [16] Tilman Dingler, Rufat Rzayev, Alireza Sahami Shirazi, and Niels Henze. **Designing Consistent Gestures Across Device Types: Eliciting RSVP Controls for Phone, Watch, and Glasses**, in Proceedings of the SIGCHI Conference on Human Factors in Computing Systems, (**CHI '18**). ACM, Montreal, Canada.
- [15] Rufat Rzayev, Paweł Woźniak, Tilman Dingler, and Niels Henze. **Reading on HMDs: The Effect of Text Position, Presentation Type and Walking**, in Proceedings of the SIGCHI Conference on Human Factors in Computing Systems, (**CHI '18**). ACM, Montreal, Canada.
- [14] Tilman Dingler, Dagmar Kern, Katrin Anberbauer, and Albrecht Schmidt. **Text Priming - Effects of Text Visualizations on Readers Prior to Reading**, in Human-Computer Interaction - **INTERACT 2017**, Springer, Mumbai, India.
- [13] Tilman Dingler, Dominik Weber, Martin Pielot, Jennifer Cooper, Chung-Cheng Chang, and Niels Henze. **Language Learning On-The-Go: Opportune Moments and Design of Mobile Microlearning Sessions**, in Proceedings of the 19th International Conference on Human-Computer Interaction with Mobile Devices and Services, (**MobileHCI '17**). ACM, Vienna, Austria.
- [12] Johannes Knittel, and Tilman Dingler. **Mining Subtitles for Real-Time Content Generation for Second-Screen Applications**, in Proceedings of the ACM International Conference on Interactive Experiences for TV and Online Video, (**TVX '16**). ACM, 93–103, Chicago, Illinois, USA.
- [11] Tilman Dingler, Corinna Giebler, Ulf Kunze, Tim Wuertele, Niels Henze, and Albrecht Schmidt. **Memory Displays: Investigating the Effects of Learning in the Periphery**, in Proceedings of the 5th ACM International Symposium on Pervasive Displays, (**PerDis '16**). ACM, 118–123, Oulu, Finland.
- [10] Huy V. Le, Sarah Clinch, Corina Sas, Tilman Dingler, Niels Henze, and Nigel Davies. **Impact of Video Summary Viewing on Episodic Memory Recall - Design Guidelines for Video Summarizations**, in Proceedings of the SIGCHI Conference on Human Factors in Computing Systems, (**CHI '16**). ACM, San Jose, California, USA.
- [9] Katrin Wolf, Yomna Abdelrahman, David Schmid, Tilman Dingler, and Albrecht Schmidt. **Effects of Camera Position and Media Type on Lifelogging Images**, in Proceedings of the 14th International Conference on Mobile and Ubiquitous Multimedia, (**MUM '15**). ACM, 234–244, Linz, Austria. **Best Paper Award**.
- [8] Tilman Dingler, Tobias Bagg, Yves Grau, Niels Henze, and Albrecht Schmidt. **uCanvas: A Web Framework for Spontaneous Smartphone Interaction with Ubiquitous Displays**, in Human-Computer Interaction - **INTERACT 2015** Springer, 402–409.

- [7]  Martin Pielot, Tilman Dingler, Jose San Pedro, and Nuria Oliver. **When Attention is not Scarce - Detecting Boredom from Mobile Phone Usage**, in Proceedings of the 2015 ACM International Joint Conference on Pervasive and Ubiquitous Computing, (**UbiComp '15**). ACM, Osaka, Japan. **Best Paper Award**.
- [6] Tilman Dingler, Markus Funk, and Florian Alt. **Interaction Proxemics: Combining Physical Spaces for Seamless Gesture Interaction**, in Proceedings of the 4th International Symposium on Pervasive Displays, (**PerDis '15**). ACM, 107–114, Saarbruecken, Germany.
- [5] Tilman Dingler, Alireza Sahami Shirazi, Kai Kunze, and Albrecht Schmidt. **Assessment of Stimuli for Supporting Speed Reading on Electronic Devices**, in Proceedings of the 6th Augmented Human International Conference, (**AH '15**). ACM, 117–124, Singapore, Singapore.
- [4] Alireza Sahami Shirazi, Niels Henze, Tilman Dingler, Martin Pielot, Dominik Weber, and Albrecht Schmidt. **Large-scale Assessment of Mobile Notifications**, in Proceedings of the SIGCHI Conference on Human Factors in Computing Systems, (**CHI '14**). ACM, 3055–3064, Toronto, Ontario, Canada.
- [3] Lars Lischke, Tilman Dingler, Stefan Schneegass, Albrecht Schmidt, Merel Vaart, and Pawel Wozniak. **Parallel Exhibits: Combining Physical and Virtual Exhibits**, in **NODEM 2014** Conference& Expo Engaging Spaces.
- [2] Alireza Sahami Shirazi, Niels Henze, Tilman Dingler, Kai Kunze, and Albrecht Schmidt. **Upright or sideways?: Analysis of smartphone postures in the wild**, in Proceedings of the 15th international conference on Human-computer interaction with mobile devices and services (**MobileHCI '13**), 362–371.
- [1] Tilman Dingler, Jeffrey Lindsay, and Bruce N Walker. **Learnability of sound cues for environmental features: Auditory icons, earcons, spearcons, and speech**, in Proceedings of the 14th International Conference on Auditory Display (**ICAD '08**), Paris, France.

Refereed Conference Papers (Notes)

- [6] Tilman Dingler, Rufat Rzayev, Valentin Schwind, and Niels Henze. **RSVP on the Go: Implicit Reading Support on Smart Watches Through Eye Tracking**, in Proceedings of the 2016 ACM International Symposium on Wearable Computers, (**ISWC '16**). ACM, 116–119, Heidelberg, Germany.
- [5] Tilman Dingler, Passant El Agroudy, Gerd Matheis, and Albrecht Schmidt. **Reading-based Screenshot Summaries for Supporting Awareness of Desktop Activities**, in Proceedings of the 7th Augmented Human International Conference 2016, (**AH '16**). ACM, 27:1–27:5, Geneva, Switzerland.
- [4] Tilman Dingler, and Martin Pielot. **I'll Be There for You: Quantifying Attentiveness Towards Mobile Messaging**, in Proceedings of the 17th International Conference on Human-Computer Interaction with Mobile Devices and Services, (**MobileHCI '15**). ACM, 1–5, Copenhagen, Denmark.
- [3] Thomas Kubitz, Norman Pohl, Tilman Dingler, and Albrecht Schmidt. **WebClip: a connector for ubiquitous physical input and output for touch screen devices**, in Proceedings of the 2013 ACM international joint conference on Pervasive and ubiquitous computing (**UbiComp '13**), 387–390.
- [2] Stefan Schneegass, Bastian Pfleging, Tilman Dingler, and Albrecht Schmidt. **Interaction Spaces: Interactive Spatial Areas to Control Smart Environments**, in Mensch & Computer 2013, 333–336, Bremen, Germany.
- [1] Tilman Dingler, and Stephen Brewster. **AudioFeeds: a mobile auditory application for monitoring online activities**, in Proceedings of the international conference on Multimedia (**ACM Multimedia '10**), 1067–1070.

Refereed Conference Papers (with Posters)

- [10] Tilman Dingler, Kai Kunze, and Benjamin Outram. **VR Reading UIs: Assessing Text Parameters for Reading in VR**, in Proceedings of the 2018 CHI Conference Extended Abstracts on Human Factors in Computing Systems, (**CHI EA '18**). ACM, Montréal, Canada.
- [9] Takashi Goto, Benjamin Tag, Kai Kunze, and Tilman Dingler. **Towards Enhancing Emotional Responses to Media using Auto-Calibrating Electric Muscle Stimulation (EMS)**, in Proceedings of the 9th Augmented Human International Conference, (**AH '18**). ACM, Seoul, South Korea.
- [8] Miriam Greis, Tilman Dingler, Albrecht Schmidt, and Chris Schmandt. **Leveraging user-made predictions to help understand personal behavior patterns**, in Proceedings of the 19th International Conference on Human-Computer Interaction with Mobile Devices and Services (**MobileHCI '17**). ACM, New York, NY, USA.
- [7] Mai ElKomy, Yomna Abdelrahman, Markus Funk, Tilman Dingler, Albrecht Schmidt, and Slim Abdennadher. **ABBAS: An Adaptive Bio-sensors Based Assistive System**, in Proceedings of the 2017 CHI Conference Extended Abstracts on Human Factors in Computing Systems, (**CHI EA '17**). ACM, 2543–2550, Denver, Colorado, USA.

- [6] Susana Sanchez, Tilman Dingler, Heng Gu, and Kai Kunze. **Embodied Reading: A Multisensory Experience**, in Proceedings of the 2016 CHI Conference Extended Abstracts on Human Factors in Computing Systems, (**CHI EA '16**). ACM, 1459–1466, Santa Clara, California, USA.
- [5] Dominik Weber, Alexandra Voit, Tilman Dingler, Manuela Kallert, and Niels Henze. **Assessment of an Unobtrusive Persuasive System for Behavior Change in Home Environments**, in Proceedings of the 5th ACM International Symposium on Pervasive Displays, (**PerDis '16**). ACM, 245–246, Oulu, Finland.
- [4] Katrin Wolf, Stefan Schneegass, Niels Henze, Dominik Weber, Valentin Schwind, Pascal Knierim, Sven Mayer, Tilman Dingler, Yomna Abdelrahman, Thomas Kubitzka, Markus Funk, Anja Mebus, and Albrecht Schmidt. **TUIs in the Large: Using Paper Tangibles with Mobile Devices**, in Proceedings of the 33rd Annual ACM Conference Extended Abstracts on Human Factors in Computing Systems, (**CHI EA '15**). ACM, 1579–1584, Seoul, Republic of Korea.
- [3] Katrin Angerbauer, Tilman Dingler, Dagmar Kern, and Albrecht Schmidt. **Utilizing the Effects of Priming to Facilitate Text Comprehension**, in Proceedings of the 33rd Annual ACM Conference Extended Abstracts on Human Factors in Computing Systems, (**CHI EA '15**). ACM, 1043–1048, Seoul, Republic of Korea.
- [2] Tilman Dingler, and Albrecht Schmidt. **A Real-Time Bidding Platform for Public Displays**, in Proceedings of the 4th International Symposium on Pervasive Displays, (**PerDis '15**). ACM, 245–246, Saarbrücken, Germany.
- [1] Kai Kunze, Susana Sanchez, Tilman Dingler, Olivier Augereau, Koichi Kise, Masahiko Inami, and Terada Tsutomu. **The Augmented Narrative: Toward Estimating Reader Engagement**, in Proceedings of the 6th Augmented Human International Conference, (**AH '15**). ACM, 163–164, Singapore, Singapore.

Journal and Magazine Articles

- [6] Tilman Dingler, Albrecht Schmidt, and Tonja Machulla. **Building Cognition-Aware Systems: A Mobile Toolkit for Extracting Time-of-Day Fluctuations of Cognitive Performance**, in Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (**IMWUT '17**). ACM, Maui, USA.
- [5] Yomna Abdelrahman, Eduardo Velloso, Tilman Dingler, Albrecht Schmidt, and Frank Vetere. **Cognitive Heat: Exploring the Usage of Thermal Imaging to Unobtrusively Estimate Cognitive Load**, in Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (**IMWUT '17**). ACM, Maui, USA.
- [4] Tilman Dingler, Philipp Wahju, Pascal Knierim, and Albrecht Schmidt. **Memory Support through In-Home Display Deployment**. *IT Professional* 18, no. 6 (2016): 42-49.
- [3] Tilman Dingler, Passant El Agroudy, Huy Viet Le, A. Schmidt, Evan Niforatos, Aagon Bexheti, and Marc Langheinrich. **Multimedia Memory Cues for Augmenting Human Memory**, *IEEE MultiMedia* 23, no. 2 (2016): 4-11.
- [2] Thomas Kubitzka, Norman Pohl, Tilman Dingler, Stefan Schneegass, Christian Weichel, and Albrecht Schmidt. **Ingredients for a new wave of ubicomp products**, *IEEE Pervasive Computing* 12, no. 3 (2013): 5-8.
- [1] Bruce N Walker, Jeffrey Lindsay, Amanda Nance, Yoko Nakano, Dianne K Palladino, Tilman Dingler, and Myoungsoon Jeon. **Spearcons (speech-based earcons) improve navigation performance in advanced auditory menus**, *Human Factors: The Journal of the Human Factors and Ergonomics Society*, SAGE Publications, 55, 1.

Workshops

- [6] Sarah Clinch, Tilman Dingler, Kai Kunze, Passant ElAgroudy, and Tsutomu Terada. **WAHM 2017: 4th Workshop on Ubiquitous Technologies for Augmenting the Human Mind - Sharing Experiences**, in Adjunct Proceedings of the 2017 ACM International Joint Conference on Pervasive and Ubiquitous Computing, (**UbiComp '16**). ACM, Vienna, Austria.
- [5] Tilman Dingler, Kai Kunze, Evangelos Niforatos, Cathal Gurrin, Ioannis Giannopolos, Andreas Dengel, and Koichi Kise. **WAHM 2016: 3rd Workshop on Ubiquitous Technologies for Augmenting the Human Mind**, in Adjunct Proceedings of the 2016 ACM International Joint Conference on Pervasive and Ubiquitous Computing, (**UbiComp '16**). ACM, 1010–1013, Heidelberg, Germany.
- [4] Kai Kunze, Tilman Dingler, Niels Henze, Koichi Kise, and Yoichi Sato. **2Nd Workshop on Ubiquitous Technologies to Augment the Human Mind: Towards the Knowledge Log**, in Adjunct Proceedings of the 2015 ACM International Joint Conference on Pervasive and Ubiquitous Computing, (**UbiComp '15**). ACM, 1213–1216, Osaka, Japan.

- [3] Tilman Dingler, Agon Bexheti, Evangelos Niforatos, and Florian Alt. **Workshop on Mobile Cognition: Using Mobile Devices to Enhance Human Cognition**, in Adjunct Proceedings of the 17th International Conference on Human-Computer Interaction with Mobile Devices and Services, (**MobileHCI '15**). ACM, 970–973, Copenhagen, Denmark.
- [2] Tilman Dingler, Albrecht Schmidt, Kai Kunze, Marc Langheinrich, Nigel Davies, and Niels Henze. **WAHM 2014: workshop on ubiquitous technologies for augmenting the human mind**, in Adjunct Proceedings of the 2014 ACM International Joint Conference on Pervasive and Ubiquitous Computing, (**UbiComp '14**), 1339–1345.
- [1] Thomas Kubitz, Albrecht Schmidt, Norman Pohl, Daniela Petrelli, Tilman Dingler, and Nick Dulake. **Tools and methods for creating interactive artifacts**, In Proceedings of the 8th International Conference on Tangible, Embedded and Embodied Interaction (**TEI '14**), 385–388.

Workshop Papers

- [5] Tilman Dingler, Takashi Goto, Benjamin Tag, and Kai Kunze. **EMS icons: conveying information by analogy to enhance communication through electrical muscle stimulation**, in Adjunct Proceedings of the 2017 ACM International Joint Conference on Pervasive and Ubiquitous Computing, (**UbiComp '17**). ACM, New York, NY, USA.
- [4] Tilman Dingler. **Cognition-aware Systems As Mobile Personal Assistants**, in Adjunct Proceedings of the 2016 ACM International Joint Conference on Pervasive and Ubiquitous Computing, (**UbiComp '16**). ACM, 1035–1040, Heidelberg, Germany.
- [3] Markus Funk, Tilman Dingler, Jennifer Cooper, and Albrecht Schmidt. **Stop Helping Me - I'm Bored!: Why Assembly Assistance Needs to Be Adaptive**, in Adjunct Proceedings of the 2015 ACM International Joint Conference on Pervasive and Ubiquitous Computing, (**UbiComp '15**). ACM, 1269–1273, Osaka, Japan.
- [2] Tilman Dingler, and Niels Henze. **That's the Dog from my Wedding -- Algorithms for Memory Shaping**, in Proceedings of the CHI Workshop on Designing Technology for Major Life Events (**CHI '14**), 2014.
- [1] Tilman Dingler, Alireza Sahami Shirazi, and Niels Henze. **There is More to Wellbeing than Health Data -- Holistic Lifelogging through Memory Capture**, in Proceedings of the CHI Workshop on Beyond Quantified Self: Data for Wellbeing (**CHI '14**), 2014.

Book Chapter

- [1] Tilman Dingler, and Albrecht Schmidt. **Peripheral Displays to Support Human Cognition**, In Peripheral Interaction (**Book Chapter**) Springer International Publishing, 167–181.

Patents

- [3] Martin Pielot, Nuria Olivier Ramirez, Tilman Dingler. **Method, Apparatus and System for Monitoring Attention Level of a User of a Communications Device**, US Patent App. 15/142,349, 2017.
- [2] John Eugene Neystadt, Martin Pielot, Tilman Dingler, and Yan Grunenberger. **A computer-implemented method for protecting classified content on a computing device and computer programs thereof**, Google Patents, 2016.
- [1] Gregoire Lefebvre, Andrew Crossan, Tilman Dingler, Murray-Smith Roderick, and Zijp-Rouzier Sophie. **Creation Simpliffee D'un Signal Sonore Ou Vibratoire**, FR Patent FR2,971,866, 2012.

Selected Popular Press

- [10] Digital Trends. **“Thermal imaging can reveal just how hard your brain is working”**, September 21, 2017
- [9] Basicthinking. **“Mediendschungel: Borapp – die App gegen Langeweile?”**, October 28, 2015
- [8] Mashable. **“How your smartphone can tell if you're bored”**, September 3, 2015.
- [7] MIT Technology Review. **“Your smartphone can tell if you're bored”**, September 2, 2015.
- [6] Siliconrepublic. **“Boredom-detecting smartphones not far away”**, September 2, 2015
- [5] derStandard.at. **“Lesen geht nicht mehr weg”**, Januar 25, 2015.
- [4] Der Spiegel. **“Die Zukunft des Lesens”**, 50/2014.

- [3] Bild der Wissenschaft. “**Lesen unter Beobachtung**”, September 16, 2014.
- [2] Stuttgarter Zeitung. “**Auf dem Kindle liest es sich schneller**”, Dezember 19, 2013.
- [1] Spektrum.de. “**Bits und Bytes statt Buchregal**”, October 22, 2013

AWARDS

Wolfgang Heilmann Award for Education for the E-Society • 2016

1st place for the project proposal: Knowledge Transfer through Microlearning.

Best Paper Award, International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp) • 2015

Authors: Martin Pielot, Tilman Dingler, Jose San Pedro, and Nuria Oliver. Paper: When Attention is not Scarce - Detecting Boredom from Mobile Phone Usage.

Best Paper Award, International Conference on Mobile and Ubiquitous Multimedia (MUM) • 2015

Authors: Katrin Wolf, Yomna Abdelrahman, David Schmid, Tilman Dingler, and Albrecht Schmidt. Paper: Effects of Camera Position and Media Type on Lifelogging Images.

Fulbright Scholarship • 2010 - 2011

American scholarship program for international educational exchanges. M.Sc. at University of San Francisco, U.S.A.

Wolfgang Heilmann Award for Humane Usage of Information Technology • 2007

2nd place for the project proposal: YouShop, a Personalized Retail Concept.

High School Graduation Award: Pierre de Coubertin Medal • 2004

Outstanding achievements in sportsmanship, fairness, and social commitment in the community.

PROFESSIONAL ACTIVITIES

Conference Committees

Workshop and Tutorial Chair, International Conference on Mobile and Ubiquitous Multimedia (MUM): 2018.
Language Inclusion Chair, Conference on Human Factors in Computing Systems (CHI): 2016.

Program Committees

Member, Conference on Human Factors in Computing Systems (CHI): 2019.
Member, Australian Computer-Human Interaction Conference (OzHCI): 2018.
Member, International Conference on Human-Computer Interaction with Mobile Devices and Services (MobileHCI): 2018.
Member, International Symposium on Pervasive Displays (PerDis): 2018.
Member, Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT): since 2017.
Member, International Conference on Mobile and Ubiquitous Multimedia (MUM): 2017, 2018.
Member, Mensch und Computer (MuC) : 2017, 2018.
Member of the Late-Breaking Work committee, Conference on Human Factors in Computing Systems (CHI): 2016.

Peer-Reviewer

ACM Transactions on Computer-Human Interaction (TOCHI): 2018.
Conference on Human Factors in Computing Systems (CHI): since 2013 (Excellent Reviewer Recognition, 2017).
Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT): since 2017.
Symposium on User Interface Software and Technology (UIST): 2018.
International Conference on Multimodal Interaction (ICMI): 2017, 2018.
International Symposium on Wearable Computers (ISWC): 2017, 2018.
Nordic forum for Human-Computer Interaction (NordiCHI): 2014, 2016, 2018.
Designing Interactive Systems (DIS): 2017.
Interaction Design Association (IXDA): 2017.

International Journal of Human-Computer Studies: 2015, 2017.
 International Conference on Human-Computer Interaction with Mobile Devices and Services (MobileHCI): 2014 - 2016.
 International Conference on Pervasive Computing and Communications (PerCom): 2016.
 IT - Information Technology: 2016.
 International Symposium on Pervasive Displays (PerDis): 2015.
 International Conference on Mobile and Ubiquitous Multimedia (MUM): 2015.
 International Conference on Tangible, Embedded and Embodied Interaction (TEI): 2015, 2018, 2019.
 International Conference on Pervasive Computing Technologies for Healthcare: 2015.
 IEEE Pervasive Computing: 2014.

Professional Memberships

Member of the Association for Computing Machinery (ACM)
 Member of the Special Interest Group on Computer-Human Interaction (ACM SIGCHI)

Student Volunteer

ACM Conference on Human Factors in Computing Systems (CHI): 2016.
 International Symposium on Wearable Computers (ISWC): 2007.

Outreach Activities

CIS (School of Computing and Information Systems) Ambassador: programming for girls in High School, Melbourne, 2018

Honorary Appointments

Co-founder & Chairman, Society of Simulation Technology e.V., Germany • 2013 - 2014
 Student and alumni association for the graduate program of simulation technology.

Chairman, TEG - The Entrepreneurial Group e.V., Munich, Germany • 2007 - 2008
 German-wide student initiative for entrepreneurship education.

TEACHING

Keio Graduate School for Media Design, Keio University

Coordinator / Instructor	Seminar: Scientific Writing	Summer Term 2017
Instructor	Workshop: Prototyping	Summer Term 2017

University of Stuttgart

Coordinator / Instructor	Lecture: Programming for Media Informatics	Winter Term 2015, 2016
Coordinator / Instructor	Seminar: Ubiquitous Technologies for Augmenting the Human	Summer Term 2015
Instructor	Practical Course: Interactive Systems	Winter Term, 2014
Instructor	Practical Course: Mobile Gaming	Summer Term, 2014

INVITED TALKS

[14]	MIT CSAIL , Cambridge, Cognition-Aware Computing, hosted by Stefanie Müller.	2018
[13]	MIT Media Lab , Cambridge, Cognition-Aware Computing, hosted by Pattie Maes.	2018
[12]	National Taiwan University , Taiwan, Cognition-Aware Computing: Detecting Cognitive Performance Levels and Fluctuations, hosted by Liwei Chan.	2017
[11]	University of Melbourne , Australia, Cognition-Aware Computing, hosted by Vassilis Kostakos.	2017
[10]	University of Cape Town , South Africa, Cognition-Aware Systems, hosted by Melissa Densmore.	2017

- [9] **University of California Santa Cruz, USA**, Context-Aware Content Delivery, hosted by Steve Whittaker. 2016
- [8] **Klett Verlag** (Publishing House), Germany, Lesen im Digitalen Zeitalter. 2016
- [7] **snips.ai**, France, Context-Aware Content Delivery, hosted by CEO Rand Hindi. 2016
- [6] **University of California, Berkeley, USA**, Lecture on Sensors, Humans, Data, and Apps, hosted by John Chuang. 2015
- [5] **Stanford University, USA**, Ubiquitous Technologies for Augmenting Human Memory, hosted by James Landay. 2015
- [4] **Yahoo! Inc, USA**, Ubiquitous Technologies for Augmenting Human Memory, hosted by Jofish Kaye. 2015
- [3] **Keio University, Japan**, Ubiquitous Technologies for Augmenting the Human Mind, hosted by Kai Kunze. 2015
- [2] **SIEMENS, Berkeley, USA**, Ubiquitous Technologies for Augmenting the Human Mind, hosted by Florian Michahelles. 2014
- [1] **World Usability Day, Germany**, Ubiquitäre Interaktion in einer vernetzten Gesellschaft. 2013

SUPERVISION

Master Thesis

- [6] **Pedram Khoshdani**, From Lab to the Wild - Conducting Psychological Experiments in the Large. 2016
- [5] **Rufat Rzayev**, A Tool for Episodic Memory Reflection Based on Implicit Diary Entries. 2016
- [4] **Sabrina Lehrer**, Leseplaner - Bewältigen des Lesevolumens mithilfe von proaktiven Leseempfehlungen. 2016
- [3] **Huy Viet Le**, Development and Evaluation of Automatic Video Recaps from Lifelog Data. 2015
- [2] **Dominique Rau**, Investigation of User interfaces for Computer-Aided Text Input in the Context of Social Communication. 2015
- [1] **Johannes Knittel**, Automatic Content Generation for Second Screen Apps Using Subtitles to Enhance the Learning Experience. 2015

Diploma Thesis

- [10] **Eugen Mannweiler**, Leseaktivitäten auf großen, hochauflösenden Displays. 2015
- [9] **Victor Riempp**, Entwicklung einer App zur Leseverfolgung auf Mobilgeräten. 2015
- [8] **Micha Pitterle**, Gedächtnisunterstützung mittels Audio im Museumskontext. 2014
- [7] **Philipp Wahju**, Automated Summaries for Implicitly Captured Data Highlights. 2014
- [6] **Florian Pfeiderer**, Explicit Capture of Dedicated Moments for Knowledge Acquisition and Retention. 2014
- [5] **Mina Metias**, Combining Multiple Gesture Sensing Technologies to Interact with Public Displays. 2014
- [4] **Larsch Lischke**, Parallel Exhibitions: Empowering Users to Virtually and Physically Design Customized Museum Exhibits. 2014
- [3] **Alexander Martin**, LeapMotion Gesture Interaction. 2014
- [2] **Robin Goldberg**, Using Narration Networks to Model Distributed Tangible Systems for Cultural Heritage Sites. 2013
- [1] **Benjamin Steeb**, Ortung und ortungsbezogene Anwendung im Museums-Kontext. 2013

Bachelor Thesis

- [7] **Ken Singer**, Gamifikation und Evaluierung eines Handy-Toolkits zur Bestimmung kognitiver Performanz. 2017
- [6] **Thommy Zelenik**, Correlation between Measured Stress and Attention with Thermal Imaging Techniques. 2016
- [5] **Jenny Schmalfuss**, An Analysis of Bandit Algorithms in IoT Applications. 2016

- [4] **Gerd Matheis**, Entwicklung und Evaluation einer Anwendung zur automatischen Speicherung und Verwaltung gelesener Texte auf Desktop PCs. 2015
- [4] **Katrin Angerbauer**, Investigating the Effect of Priming on Reading Performance on Electronic Devices. 2015
- [3] **Paul Metzger**, Infrastructure Support for Augmented Memory. 2014
- [2] **Yves Grau**, Ephemeral Messaging: How Short-Lived Communication Changes Communication Behavior. 2014
- [1] **David Krauss**, Human Memory Support via Digital Association Chains. 2014

Research project students

- [7] **Sebastian Kunz, Christian Schierle, and Ken Singer**. Visualization and Management of Large Datasets Stored in Graph-Based Databases. 2017
- [6] **Katrin Angerbauer, Steven Großmann, and Christoph Krieger**. Entwicklung und Analyse eines Text-visualisierungs Tools. 2016
- [5] **Corinna Giebler, Tim Würtele, and Ulf Kunze**. Passives Lernen durch Memory Displays. 2015
- [4] **Niklas Kaulitz, Sebastian Richter, and Sebastian Günther**. A Robot Control System with the LeapMotion. 2013
- [3] **David Krauss, Mathias Landwehr, and Paul Brombosch**. Comparison of Visual Face Tracker Frameworks. 2013
- [2] **Yves Grau and Tobias Bagg**. uCanvas: A Web Framework for Spontaneous Smartphone Interaction with Ubiquitous Displays. 2013
- [1] **Olaf Hoffeld, Thomas Kosch, and Eric Seiz**. Real-Time Bidding System for Pervasive Devices. 2013

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