Tilman Dingler

Project Assistant Professor
Dept. of Computer Science and Intelligent Systems
Osaka Prefecture University
Osaka, Japan

ABOUT

Tilman Dingler is a project assistant professor at the Osaka Prefecture University in Japan. In collaboration with the Graduate School of Media Design at Keio University his research focuses on Human-Computer Interaction and Cognitive Systems. He is looking into ways to augment human memory and cognition by marrying concepts from the field of cognitive psychology with ubiquitous technologies. This includes measuring indicators for human attention levels and optimizing knowledge acquisition points. The resulting concepts can be applied to proactive recommendations, human-to-human communication, media consumption and learning.

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

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

[15] 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.

[14] 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.

[13] 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.

[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 Kubitza, 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, 333--336.

[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)

[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 Kubitza, 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

[4]   Dingler, Tilman, 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, 2.

[2]   Thomas Kubitza, Norman Pohl, Tilman Dingler, Stefan Schneegass, Christian Weichel, and Albrecht Schmidt. *Ingredients for a new wave of ubicomp products*, **IEEE Pervasive Computing**, IEEE, 3.

[1]   Bruce N Walker, Jeffrey Lindsay, Amanda Nance, Yoko Nakano, Dianne K Palladino, Tilman Dingler, and Myounghoon 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]   Passant ElAgroudy, Sarah Clinch, Tilman Dingler, Tsutomu Terada, and Kai Kunze. *WAHM 2017: 4th Workshop on Ubiquitous Technologies for Augmenting the Human Mind - Sharing Experiences*, In Proceedings of the 2017 ACM International Joint Conference on Pervasive and Ubiquitous Computing: Adjunct, (**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 Proceedings of the 2016 ACM International Joint Conference on Pervasive and Ubiquitous Computing: Adjunct, (**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 Proceedings of the 2015 ACM International Joint Conference on Pervasive and Ubiquitous Computing and Proceedings of the 2015 ACM International Symposium on Wearable Computers, (**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 Proceedings of the 17th International Conference on Human-Computer Interaction with Mobile Devices and Services Adjunct, (**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 Proceedings of the 2014 ACM International Joint Conference on Pervasive and Ubiquitous Computing: Adjunct Publication (**Ubicomp '14**), 1339--1345.

[1]   Thomas Kubitza, 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

[4]   Tilman Dingler. *Cognition-aware Systems As Mobile Personal Assistants*, In Proceedings of the 2016 ACM International Joint Conference on Pervasive and Ubiquitous Computing: Adjunct, (**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 and Proceedings of the 2015 ACM International Symposium on Wearable Computers, (**UbiComp/ISWC '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.

Issued Patents

[2]   J.E. Neystadt, P. Martin, T. Dingler, and Y. 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 Simplifiee D'un Signal Sonore Ou Vibratoire*, FR Patent FR2,971,866, 2012.

Selected Popular Press

[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

Language Inclusion Chair, Conference on Human Factors in Computing Systems (CHI): 2016.

Program Committees

Member, International Conference on Mobile and Ubiquitous Multimedia (MUM): 2017.
Member, Mensch und Computer (MuC) : 2017.
Member of the Late-Breaking Work committee, Conference on Human Factors in Computing Systems (CHI): 2016.

Peer-Reviewer

Conference on Human Factors in Computing Systems (CHI): 2013-2017 (Excellent Reviewer Recognition, 2017).
Designing Interactive Systems (DIS): 2017.
International Conference on Multimodal Interaction (ICMI): 2017.
Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT): 2017.
International Symposium on Wearable Computers (ISWC): 2017.
International Journal of Human-Computer Studies: 2015, 2017.
Mensch und Computer (MuC) : 2017.
International Conference on Human-Computer Interaction with Mobile Devices and Services (MobileHCI): 2014 - 2016.
Nordic forum for Human-Computer Interaction (NordiCHI): 2014, 2016.
International Conference on Pervasive Computing and Communications (PerCom): 2016.
IT - Information Technology: 2016.
Interaction Design Association (IXDA): 2017.
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.
International Conference on Pervasive Computing Technologies for Healthcare: 2015.
IEEE Pervasive Computing: 2014.

Student Volunteer

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

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

Creator / Instructor	Seminar: Scientific Writing	Summer Term 2017
Instructor	Worskhop: Prototyping	Summer Term 2017

University of Stuttgart

Creator / Instructor	Lecture: Programming for Media Informatics	Winter Term 2015, 2016
Creator / 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

[10] **University of Cape Town**, *Cognition-Aware Systems*, hosted by Melissa Densmore.   2017

[9] **University of California Santa Cruz**, *Context-Aware Content Delivery*, hosted by Steve Whittaker.   2016

[8] **Klett Verlag** (Publishing House), *Lesen im Digitalen Zeitalter*.   2016

[7] **snips.ai**, *Context-Aware Content Delivery*, hosted by CEO Rand Hindi.   2016

[6] **University of Caifornia, Berkeley**, *Lecture on Sensors, Humans, Data, and Apps*, hosted by John Chuang.   2015

[5] **Stanford University**, *Ubiquitous Technologies for Augmenting Human Memory*, hosted by James Landay.   2015

[4] **Yahoo! Inc**, *Ubiquitous Technologies for Augmenting Human Memory*, hosted by Jofish Kaye.   2015

[3] **Keio University**, *Ubiquitous Technologies for Augmenting the Human Mind*, hosted by Kai Kunze.   2015

[2] **SIEMENS, Berkeley**, *Ubiquitous Technologies for Augmenting the Human Mind*, hosted by Florian Michahelles.   2014

[1] **World Usability Day**, *Ubiquitäre Interaktion in einer vernetzten Gesellschaft*.   2013

MENTORING

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 Pfleiderer**, *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 Metzer**, *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**. *Visiualization 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

REFERENCES

Prof. Dr. Albrecht Schmidt
Professor
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Prof. Dr. Stephen Brewster
Professor
University of Glasgow
stephen.brewster@glasgow.ac.uk

Prof. Dr. Koichi Kise
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