Dr Maria Klara Wolters

Full Academic CV

Affiliation

- University of Edinburgh, Edinburgh UK: Reader in Design Informatics
- Alan Turing Institute for Data Science and Artificial Intelligence, London UK: Faculty Fellow
- University of Glasgow, Glasgow UK: Honorary Lecturer

Profile

Research: Digital Inclusion

- Leverage technology, where indicated, to support people with mental and physical chronic illness in living rich and meaningful lives
- Make (eHealth) technology accessible to people across digital and cultural divides
- Understand how people use technology to generate data about their health and wellbeing, with a particular focus on missing data

Teaching: Fostering empathy, autonomy, and critical thinking

- Support students' development as empathetic critical practitioners and lifelong learners in the areas of Human Computer Interaction, Human Factors, and Design Informatics / Data Science
- with particular attention to supporting students from different cultural and linguistic backgrounds. **Fellow of the Higher Education Academy**

Knowledge Transfer: Maximise effectiveness, minimise pain points, respect users

- Work with technology innovators (small to medium enterprises, non-government organisations, charities, not-for-profit social enterprises) to improve usefulness and usability of their products, while respecting users' autonomy and privacy

Education

2014–2018	**PGCAP**, *University of Edinburgh*, Edinburgh, UK. Postgraduate Diploma in Academic Practice
1992–2001	**Dr. phil.**, *Rheinische Friedrich-Wilhelms-Universität Bonn*, Bonn, Germany. PhD in Communication Research and Phonetics, minor: General and Applied Linguistics, Computer Science
1993–1997	**Dipl.-Inform.**, *Rheinische Friedrich-Wilhelms-Universität Bonn*, Bonn, Germany. Master of Science in Computer Science, minor: Communication Research and Phonetics

Thesis

PhD	*Towards Entity Status*, Dr. phil., University of Bonn, Germany, 2001
Masters	*A Diphone-Based Text-to-Speech System for Scottish Gaelic*, Dipl.-Inform., University of Bonn, Germany, 1997

Employment History

2016–present	**Reader in Design Informatics**, *School of Informatics*, University of Edinburgh. Programme Director for MSc in Design Informatics and Advanced Design Informatics. MSc Personal Tutor
2013–2016	**Research Scientist**, *Human Cognitive Neuroscience*, University of Edinburgh. ForgetIT project.
2004–2016	**Research Fellow**, *School of Informatics, University of Edinburgh*, United Kingdom. Project scientist on MATCH, MultiMemoHome (Researcher co-I), TeleSynth (PI), Soulight (PI). Grant writing, dissertation supervision
2003–2005	**Research Assistant**, *Speech and Language Therapy*, Queen Margaret University. Project scientist, clinical phonetics; grant writing; teaching
2003–2004	**Research Assistant**, *Speech and Language Sciences*, University of Newcastle. Project scientist, clinical phonetics
2000–2003	**Development Engineer**, *Rhetorical Systems Ltd*, Edinburgh, UK. German text-to-speech synthesis
1997–2001	**Lecturer**, *Institute for Communication Research and Phonetics*, University of Bonn, Germany. student exchanges, course timetabling

Worked part-time 2006-2016; two periods of maternity leave (08/05-02/06; 03/08-10/08).

Languages

Native	German
C2	English
B2	French, Spanish
A1	Scottish Gaelic, Mandarin
Coding	R, Python (main languages)
	Experience with Prolog, Scheme, Matlab, C++, C, Pascal, Modula-2

Teaching

Leadership and Administration

Edinburgh. UK   **School of Informatics**, University of Edinburgh

2017-present	Programme Director, MSc in Design Informatics and MSc in Advanced Design Informatics
2017-2019	Joint Internship Programme with Peking University
2017-2019	Selector for joint 2+2 Honours Degree programmes with Peking University, Dalian University, and South China University of Technology
2018/19	Joint PhD Selector, Institute for Language, Cognition, and Communication (100+ applications per year)

Bonn, DE   **Institut für Kommunikationsforschung und Phonetik**, Rheinische Friedrich-Wilhelms-Universität Bonn

1998-2000	Organiser, Institute Seminar series
1998-2000	Coordinator, List of Courses Offered
1998-2000	Local ERASMUS Coordinator

PhD Supervision

Main	(6 students)	*Formal Share: 60%-70%*
2022-present	Farid Ghani (with John Vines)	*Informatics*
	User Requirements for Pharmacy Information Systems	
2019-present	Amirah Al-Shamrani (with Kami Vaniea)	*Informatics*
	Anonymous Information Seeking about Anxiety on Quora	
2019-present	Duncan Reid (with Kami Vaniea)	*Informatics*
	Personal Digital Legacy	
2019-present	Rabia Yasa Kostas (with Sarah MacPherson)	*Informatics*
	Automatic Analysis of Semantic Verbal Fluency for Turkish	
Completed	Mona Alqassim (with John Lee and Helen Pain)	*Informatics*
	eHealth Solutions for Miscarriage Care	
	Lucia Chen (with Walid Magdy)	*Informatics*
	Mental Health Signals in Social Media	
Shared	(5 students)	*Formal Share: 50%*
2020-present	Mengying Zhang (with Larry Doi).	*Nursing*
	Smoking Cessation Apps in China - A Programme Theory	
	Nicole Meng (with Kami Vaniea)	*Informatics*
	Security and Privacy Issues of Smart Speakers	
2018-present	Hector M. Fried (with Chris Speed)	*Design*
	Chatbot Ethnography	
	Liquan Chai (with Dave Murray-Rust)	*Design*
	Supporting Chinese Students' Access to UK Health Care using Chatbots	

Completed	Catherine Crompton (with Sarah MacPherson)	*Psychology*
	Collaborative Learning in Older Adults	
Assistant	(9 students)	*Formal Share: 20-30%*
2021-present	Emily Adams	*Medicine*
	Digital Support for People Experiencing Homelessness	
2019-present	Pauliina Vuorinen (with Frank Keller).	*Informatics*
	Reading for Pleasure	
2018-present	Jocelyn Friday (with John Cleland et al.)	*Glasgow*
	Use of Loop Diuretics in People with Heart Failure	
2018-2019	Mohammed Tahaei (with Kami Vaniea)	*Informatics*
	Software Developers and Security	
2017-2019	Sara Albakry (with Kami Vaniea)	*Informatics*
	User Detection of Fraudulent URLs	
Completed	Karl B. Isaac (with Steve Renals)	*Informatics*
	Intelligibility of Speech Synthesis	
	Kholoud Althobaiti (with Kami Vaniea)	*Informatics*
	Phishing	
	Adam Jenkins (with Kami Vaniea)	*Informatics*
	Patch Management Behaviours of System Administrators	
	Youssef Al-Hariri (with Walid Magdy	*Informatics*
	Arab Atheism on Twitter	

Other Supervision

Masters	> 50 dissertations in Design Informatics; Informatics; Artificial Intelligence; Cognitive Science; Cognition, Science, and Society; Communication Research and Phonetics; Human Cognitive Neuroscience; Speech and Language Processing
Honours	> 10 dissertations in Artificial Intelligence; Cognitive Science; Communication Research and Phonetics; Speech and Language Therapy

Face to Face Courses

University of Edinburgh	**Course Organiser and Main Lecturer**, *School of Informatics*. The Human Factor; Case Studies in Design Informatics 1 & 2; Masters Dissertation Design Informatics **Guest Lecturer**, *School of Philosophy, Psychology, and Language Science*. Cognition, Science, and Society; Sociolinguistic Research Design
Queen Margaret University	**Lecturer**, *Speech and Language Therapy*. Introduction to Linguistics, Psycholinguistics, Intonation.
University of Bonn	**Lecturer**, *Communication Research and Phonetics*. Phonology, Experimental Phonetics, Transcription, Seminars in Phonetics and Computational Linguistics.

Online Courses

University of Edinburgh	**Course Organiser / Lecturer**, *MSc in Global eHealth*. Telehealth and Telecare (with Brian McKinstry); User-Centred Design

Summer Schools

Peking University	**Lecturer**, *International Summer School (2 weeks)*, Design Informatics.

External Examining

M.Phil.	Michael John Saiger, University of Strathclyde	*2018*
Ph.D.	Peter Wald, University of Southampton	*2019*
Ph.D.	Nataliya Tlachenko, University of Warwick	*2019*
Ph.D.	Aris Malapaschas, University of Glasgow	*2021*
Ph.D.	Majed Khan, University of Strathclyde	*2021*
Ph.D.	Hannah Torney, Ulster University	*2022*

Grants

Grants as Principal Investigator

Total: £189K

2020 **Global Impact Accelerator Award: Maternal Mental Health in Uganda – Pathways to Resilience**, *£20K*, Global Challenges Research Fund / Scottish Funding Council, 2020-2021.

2019 **LUGANDA: A Field Network for Perinatal Health Data Innovation in Uganda**, *£23K*, Global Challenges Research Fund, 2020-2021.

Curtin Institute for Computation Visiting Researcher Scheme: Design Informatics Visit, *AUS$ 1530*, PI, hosted by Prof Andrew Rohl, 2019.

2017 **Generating Health Data: Attitudes and Practices**, *£6K*, Seed Funding, Alan Turing Institute, 2017–2020.

2016 **Faculty Fellowship**, *£40K*, Alan Turing Institute for Data science and Artificial Intelligence, London, 2016–present.

2015 **Soulight – The Next Generation.**, *£20K*, Digital Health Institute, 2015-2016.

2011 **Can computer-generated voices be used to deliver telecare services to people with hearing problems?**, *£59K*, Chief Scientist Office, 2011-2012.

2006 **SPARC - Speech Synthesis for Older People**, *£26K*, EPSRC/BBSRC, 2006-2008.

European Grants (Co-Investigator and Leadership Position)

Total: EUR 7,9M. Amounts given are for the full grant.

2021 **IMMERSE: The implementation of Digital Mobile Mental Health in clinical care pathways: Towards person-centered care in psychiatry**, *EUR 4M, Lead: KU Leuven*, 2021-2025, EU H2020.
Informatics Lead, WP5 Lead

2017 **ELEMENT: Early Detection of cognitive decline in dementia.**, *EUR 200K*, EIT Digital, 2017.
Lead: DFKI Saarbrücken

2011 **HELP4MOOD: A computational distributed system to support the treatment of patients with major depression**, *EUR 3M*, EU FP6 STREP, 2011-2014.
Scientific Coordinator, Lead: University of Edinburgh

2006 **Edinburgh Speech Science and Technology (EdSST)**, *£628K*, Doctoral Training, 2006-2009.
Project Manager, Lead: University of Edinburgh. **Main Grant Writer**

Grants as Co-Investigator

Total: £3M. Amounts given are for the full grant.

2022 **PADmap: Improving out of hospital cardiac arrest outcomes by data driven optimisation of placement of public access defibrillators in high risk OHCA areas'**, *Wellcome Institutional Translational Partnership award (ITPA)*, *£20K*, 2022.
Lead: University of Edinburgh

2021 **PADmap - Developing the requirements for a web portal to facilitate optimal placement of Public Access Defibrillators in communities at highest risk of OHCA using participatory design.**, *Laerdal Foundation*, NOK 180K, 2021.
Lead: University of Edinburgh

Leveraging Data Driven Innovation to Support Expected Surge in People Experiencing Homelessness in Edinburgh due to COVID-19, *£25K*, Data-Driven Innovation Programme, 2021.
Lead: University of Edinburgh

2020 **Implementation of a digital information resource for people experiencing homelessness in Edinburgh**, *£25K*, ESRC, 2020.
Lead: University of Edinburgh

Impact Accelerator Award Street Support, *£7K*, ESRC Impact Accelerator Award, 2020.
Lead: University of Edinburgh

Global Partnerships Award: Towards a Covid-19 Monitoring App in Ethiopia, *£15K*, Scottish Funding Council Global Challenges Research Fund, 2020-2021.
Lead: University of Edinburgh

2018 **A network for studying psychological resilience in low- and middle-income countries (NESP)**, *£196K*, Medical Research Council, 2018–2019.
Lead: University of Edinburgh

2017 **Language Sensing for Dementia Diagnosis and Monitoring**, *£7K*, Alan Turing Institute, 2017–2020.
Lead: University of Warwick

2015 **Mental Health Clinical Collaboration Suite.**, *£60K*, Digital Health Institute, 2015-2017.
Lead: University of Edinburgh

2011 **Towards Intelligent Cognitive Assistants for Older People.**, *£116K*, Leverhulme Trust, 2011-2014.
Lead: University of Edinburgh. **Main Grant Writer**

2009 **MultiMemoHome: Multimodal Reminders within the Home**, *£600K*, EPSRC, 2009-2013.
Lead: University of Glasgow. **Researcher Co-Investigator**

2005 **MATCH: Mobilising Advanced Technology for Care at Home**, *£2M*, Scottish Funding Council, 2005–2012.
Lead: University of Stirling. **Lead Postdoctoral Researcher, University of Edinburgh**

Key Service and Esteem Indicators

Honorary Appointments

2022–present **Honorary Lecturer**, *School of Cardiovascular and Metabolic Health* , University of Glasgow.
Collaboration with Prof John Cleland and Jocelyn Friday on heart disease data.

Committee Experience

2017-present Board of Studies and Teaching Committee, University of Edinburgh, School of Informatics. Member as Programme Director for MSc Design Inforamtics and MSc Advanced Design Informatics

2017-present Recruitment Committee, University of Edinburgh, School of Informatics. Member as Programme Director for MSc Design Informatics and MSc Advanced Design Informatics

2017-2019 Ethics Committee, University of Edinburgh, School of Informatics. Member 2017 and 2019, Lead 2018. Reformed the School of Informatics' Ethics Processes

2018 PhD Selection Committee, University of Edinburgh, School of Informatics. Co-Lead for Institute of Language, Communication, and Cognition, which processes 100-150 PhD applicants per year

Grant Panels

UKRI Economic and Social Sciences Centres Panel

Future Leaders Fellowship Panel, Round 1

Future Leaders Fellowship Panel, Round 3

Future Leaders Fellowship Panel, Round 6

Future Leaders Fellowship Panel, Round 7

Journal Editorial Boards

2022 ACM Transactions on Accessible Computing Special Issue Chair for ACM ASSETS
2011-2018 Interacting with Computers
2011-2017 ACM Transactions on Accessible Computing

Conferences

Coling 2022 Senior Area Chair
CSCW 2022 Associate Chair
ASSETS Technical Paper Chair, 2023

Programme Committee, 2017–2022
CHI 2021 Subcommittee Chair, Understanding People A Subcommittee

Global Communities, Diversity, and Inclusion Chair
CHI 2020 Subcommittee Chair, Health B Subcommittee

Social Media Chair
CHI 2019 Associate Chair, Health Subcommittee

Communications Chair

Co-Organiser, 4th Symposium on Mental Health

CHI 2018	Associate Chair, Health Subcommittee
	Social Media Chair
CHI 2015	Associate Chair, Health Subcommittee
ICPhS 2015	Senior Programme Committee Member for Data Sets/Corpora
	Local Organisation Committee Member
CHI 2014	Associate Chair, Specific Applications Subcommittee

Invited Talks (Last 5 Years)

2022	Digital Inequality and Cognition. Cognitive Science Seminar Series, Indiana University, Bloomington, US
	The Impact of Digital Inequality on Data-Driven eHealth. Health Informatics Seminar, University of Michigan, Ann Arbor, US
2020	Introduction to Design Informatics for Obstetricians and Gynaecologists, Makerere University, Uganda
2019	Patient-Generated Data: Possibilities and Pitfalls with a new Generation of Real World Data. Roche RWD Forum
	Accessibility and Stigma: Why Are People with Invisible Disabilities Digitally Left Behind?. WAIS Seminar, University of Southampton
	Human Factors in Patient-Generated Health Data: The Case of Chronic Illness. A*Star Singapore
	Designing from, with and by Mental Health Data. Seminar, Department of Computer Science, Melbourne University
	The Hidden Stories of Missing Data. Curtin Institute for Computation / Data Science Transforming Maintenance Talk
	How to Write a CHI Paper, Nanjing University Summer School
	Designing from, with, and by Mental Health Data. CogX 2019, Alan Turing Research Stage, Data Science and Mental Health.
2018	Accessibility in Design Informatics, Peking University
	How to Write a CHI Paper, Nanjing University, Baidu Inc., and Beijing University of Post and Telecommunications

Publications

Current h-index (Google Scholar): 26.
ORCID (low coverage of computer science venues): `https://orcid.org/0000-0002-3369-3558`
DLBP (low coverage of non-computer science venues): `https://dblp.org/pid/16/9546.html`

Journal Papers

[1] Mona Y. Alqassim, K. Cassie Kresnye, Katie A. Siek, John Lee, and Maria K. Wolters. The miscarriage circle of care: towards leveraging online spaces for social support. *BMC Women's Health*, 22(1), January 2022. © 2022. The Author(s).

[2] Catherine J. Crompton, Maria K. Wolters, and Sarah E. MacPherson. Learning with friends and strangers: partner familiarity does not improve collaborative learning performance in younger and older adults. *Memory*, February 2022.

[3] Youssef Al Hariri, Walid Magdy, and Maria K. Wolters. Atheists versus theists: Religious polarisation in arab online communities. *Proc. ACM Hum. Comput. Interact.*, 5(CSCW2):1–28, 2021.

[4] Rehema Baguma and Maria K. Wolters. Making virtual learning environments accessible to people with disabilities in universities in uganda. *Frontiers Comput. Sci.*, 3:638275, 2021.

[5] David Leslie, Anjali Mazumder, Aidan Peppin, Maria K. Wolters, and Alexa Hagerty. Does "AI" stand for augmenting inequality in the era of covid-19 healthcare? *BMJ*, 372:n304, March 2021. Publisher: British Medical Journal Publishing Group Section: Analysis.

[6] Matthew J. Salganik, Ian Lundberg, Alexander T. Kindel, Caitlin E. Ahearn, Khaled Al-ghoneim, Abdullah Almaatouq, Drew M. Altschul, Jennie E. Brand, Nicole Bohme Carnegie, Ryan James Compton, Debanjan Datta, Thomas Davidson, Anna Filippova, Connor Gilroy, Brian J. Goode, Eaman Jahani, Ridhi Kashyap, Antje Kirchner, Stephen Mckay, Allison C. Morgan, Alex Pentland, Kivan Polimis, Louis Raes, Daniel E. Rigobon, Claudia V. Roberts, Diana M. Stanescu, Yoshihiko Suhara, Adaner Usmani, Erik H. Wang, Muna Adem, Abdulla Alhajri, Bedoor Alshebli, Redwane Amin, Ryan B. Amos, Lisa P. Argyle, Livia Baer-bositis, Moritz Büchi, Boryehn Chung, William Eggert, Gregory Faletto, Zhilin Fan, Jeremy Freese, Tejomay Gadgil, Josh Gagné, Yue Gao, Andrew Halpern-manners, Sonia P. Hashim, Sonia Hausen, Guanhua He, Kimberly Higuera, Bernie Hogan, Ilana M. Horwitz, Lisa M. Hummel, Naman Jain, Kun Jin, David Jurgens, Patrick Kaminski, Areg Karapetyan, E. H. Kim, Ben Leizman, Naijia Liu, Malte Möser, Andrew E. Mack, Mayank Mahajan, Noah Mandell, Helge Marahrens, Diana Mercado-garcia, Viola Mocz, Katariina Mueller-gastell, Ahmed Musse, Qiankun Niu, William Nowak, Hamidreza Omidvar, Andrew Or, Karen Ouyang, Katy M. Pinto, Ethan Porter, Kristin E. Porter, Crystal Qian, Tamkinat Rauf, Anahit Sargsyan, Thomas Schaffner, Landon Schnabel, Bryan Schonfeld, Ben Sender, Jonathan D. Tang, Emma Tsurkov, Austin Van Loon, Onur Varol, Xiafei Wang, Zhi Wang, Julia Wang, Flora Wang, Samantha Weissman, Kirstie Whitaker, Maria K. Wolters, Wei Lee Woon, James Wu, Catherine Wu, Kengran Yang, Jingwen Yin, Bingyu Zhao, Chenyun Zhu, Jeanne Brooks-gunn,

Barbara E. Engelhardt, Moritz Hardt, Dean Knox, Karen Levy, Arvind Narayanan, Brandon M. Stewart, Duncan J. Watts, and Sara Mclanahan. Measuring the predictability of life outcomes with a scientific mass collaboration. *Proceedings of the National Academy of Sciences*, 117(15):8398–8403, 2020. Publisher: NATL ACAD SCIENCES.

[7] Lucia Lushi Chen, Walid Magdy, and Maria Wolters. The Effect of User Psychology on the Content of Social Media Posts: Originality and Transitions Matter. *Frontiers in Psychology*, 11, 2020. Publisher: Frontiers Media S.A.

[8] Najoung Kim, Jung-Ho Kim, Maria Wolters, Sarah E. MacPherson, and Jong C. Park. Automatic scoring of semantic fluency. *Frontiers in Psychology*, 2019.

[9] L.B. Navrady, M.K. Wolters, D.J. MacIntyre, T.-K. Clarke, A.I. Campbell, A.D. Murray, K.L. Evans, J. Seck, C. Haley, K. Milburn, J.M. Wardlaw, D.J. Porteous, I.J. Deary, and A.M. McIntosh. Cohort profile: Stratifying Resilience and Depression Longitudinally (STRADL): A questionnaire follow-up of Generation Scotland: Scottish Family Health Study (GS: SFHS). *International Journal of Epidemiology*, 47(1), 2018.

[10] Alexandra König, Nicklas Linz, Johannes Tröger, Maria Wolters, Jan Alexandersson, and Philippe Robert. Fully Automatic Speech-Based Analysis of the Semantic Verbal Fluency Task. *Dementia and Geriatric Cognitive Disorders*, 45(3-4):198–209, 2018.

[11] Kathrin Cresswell, Brian McKinstry, Maria Wolters, Anoop Shah, and Aziz Sheikh. Five key strategic priorities of integrating patient generated health data into United Kingdom electronic health records. *Journal of Innovation in Health Informatics*, 25(4):254–259, 2018.

[12] B. Elevåg, A.S. Cohen, M.K. Wolters, H.C. Whalley, V.-E. Gountouna, K.A. Kuznetsova, A.R. Watson, and K.K. Nicodemus. An examination of the language construct in NIMH's research domain criteria: Time for reconceptualization! *American Journal of Medical Genetics, Part B: Neuropsychiatric Genetics*, 171(6), 2016.

[13] A.C. Constantinescu, M. Wolters, A. Moore, and S.E. MacPherson. A cluster-based approach to selecting representative stimuli from the International Affective Picture System (IAPS) database. *Behavior Research Methods*, 2016.

[14] C. Burton, A. Szentagotai Tatar, B. McKinstry, C. Matheson, S. Matu, R. Moldovan, M. Macnab, E. Farrow, D. David, C. Pagliari, A. Serrano Blanco, and M. Wolters. Pilot randomised controlled trial of Help4mood, an embodied virtual agent-based system to support treatment of depression. *Journal of Telemedicine and Telecare*, 22(6), 2016.

[15] Mara Gordon, Rebecca Henderson, John H Holmes, Maria K Wolters, and Ian M Bennett. Participatory design of ehealth solutions for women from vulnerable populations with perinatal depression. *Journal of the American Medical Informatics Association : JAMIA*, 23(1):105–9, September 2015.

[16] Maria Klara Wolters, Fiona Kelly, and Jonathan Kilgour. Designing a spoken dialogue interface to an intelligent cognitive assistant for people with dementia. *Health Informatics journal*, August 2015.

[17] M. K. Wolters, C. Johnson, P. E. Campbell, C. G. DePlacido, and B. McKinstry. Can older people remember medication reminders presented using synthetic speech? *Journal of the American Medical Informatics Association*, 22(1):35–42, July 2014. Publisher: The Oxford University Press.

[18] Maria K Wolters, Juan Martínez-Miranda, Soraya Estevez, Helen F Hastie, and Colin Matheson. Managing Data in Help4mood. *ICST Transactions on Ambient Systems*, February 2013.

[19] Christopher Burton, Brian McKinstry, Aurora Szentagotai Tătar, Antoni Serrano-Blanco, Claudia Pagliari, and Maria Wolters. Activity monitoring in patients with depression: A systematic review. *Journal of affective disorders*, 145(1):21–28, August 2013.

[20] Andi K. Winterboer, Martin I. Tietze, Maria K. Wolters, and Johanna D. Moore. The user model-based summarize and refine approach improves information presentation in spoken dialog systems. *Computer Speech & Language*, 25(2):175–191, April 2011.

[21] Kallirroi Georgila, Maria Wolters, Johanna D. Moore, and Robert H. Logie. The MATCH corpus: a corpus of older and younger users' interactions with spoken dialogue systems. *Language Resources and Evaluation*, 44(3):221–261, March 2010. Publisher: Springer Netherlands.

[22] K.M. Wolters, K.-P. Engelbrecht, F. Gödde, S. Möller, A. Naumann, and R. Schleicher. Making it easier for older people to talk to smart homes: The effect of early help prompts. *Universal Access in the Information Society*, 9(4):311–325, 2010.

[23] M. Wolters, K. Georgila, J.D. Moore, R.H. Logie, S.E. MacPherson, and M. Watson. Reducing working memory load in spoken dialogue systems. *Interacting with Computers*, 21(4), 2009.

[24] Maria K Wolters, Kallirroi Georgila, Sarah MacPherson, and Johanna Moore. Being Old Doesn't Mean Acting Old: Older Users' Interaction with Spoken Dialogue Systems. *ACM Transactions on Accessible Computing*, 2(1):1–39, 2009.

Chapters in Books

[25] Robert Logie, Maria Wolters, and Elaine Niven. Preserving and forgetting in the human brain. In Vaileios Mezaris, Claudia Niederee, and Robert Logie, editors, *Personal Multimedia Preservation*, Springer Series on Cultural Computing, pages 9–45. Springer International Publishing AG, Switzerland, 2018.

[26] M. McGee-Lennon, M. Wolters, and J. Clark. 9. User-centred design of technologies to support care at home. volume 31, 2012. Publication Title: Assistive Technology Research Series ISSN: 1383813X 18798071.

[27] R. Vipperla, M. Wolters, and S. Renals. 8. Spoken dialogue interfaces for older people. volume 31, 2012. Publication Title: Assistive Technology Research Series ISSN: 1383813X 18798071.

Peer-Reviewed Conference Papers (Archival)

[28] Dilara Kekulluoglu, Kami Vaniea, Maria K Wolters, and Walid Magdy. Twitter has a binary privacy setting, are users aware of how it works? In *Proceedings of the 2023 ACM SIGCHI Conference on Computer-Supported Cooperative Work and Social Computing (CSCW'23)*, November 2022. The 26th ACM Conference on Computer-Supported Cooperative Work and Social Computing, 2023, CSCW 2023 ; Conference date: 13-10-2023 Through 18-10-2023.

[29] Mohammad Tahaei, Kami E Vaniea, Konstantin Beznosov, and Maria K Wolters. Security Notifications in Static Analysis Tools: Developers' Attitudes, Comprehension, and Ability to Act on Them. In *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems*, United States, December 2021. Association for Computing Machinery (ACM).

[30] K. Cassie Kresnye, Mona Alqassim, Briana Hollins, Maria Wolters, and Katie A. Siek. What to Expect When You are No Longer Expecting: Information Needs of Women who Experienced a Miscarriage. In *Proceedings of the 14th EAI International Conference on Pervasive Computing Technologies for Healthcare 2020*, March 2020.

[31] Lucia Lushi Chen, Walid Magdy, Heather Whalley, and Maria K Wolters. It's Not Just About Sad Songs: The Effect of Depression on Posting Lyrics and Quotes. In *SocInfo 2020: Social Informatics*, Lecture Notes in Computer Science, pages 58–66. Springer International Publishing, October 2020.

[32] Sara Albakry, Kami Vaniea, and Maria Wolters. What is this URL's Destination? Empirical Evaluation of Web Users' URL Reading. In *CHI '20: Proceedings of the 2020 CHI Conference on Human Factors in Computing Systems*. ACM, 2020.

[33] Lucia Lushi Chen, Walid Magdy, Heather Whalley, and Maria Wolters. Examining the Role of Mood Patterns in Predicting Self-reported Depressive Symptoms. In *Proceedings of the 12th ACM Web Science Conference 2020*, 2020.

[34] Adam Jenkins, Pieris Kalligeros, Kami Vaniea, and Maria Wolters. "Anyone Else Seeing this Error?": Community, System Administrators, and Patch Information. In *IEEE European Symposium on Security and Privacy*, volume 5, 2020.

[35] K. Cassie Kresnye, Juan F. Maestre, Ben Jelen, Mona Y. Alqassim, Maria Wolters, and Katie A. Siek. Lessons Learned from Research via Private Social Media Groups. In *Proceedings of the ACM CHI Conference on Human Factors in Computing Systems 2019*, pages 1–8. ACM, 2019.

[36] Maria Wolters, Alex Cohen, and Kristin Nicodemus. Distinct Prosodic Correlates for Nine Dimensions of Mental Health Symptoms. In *Proceedings of the 19th International Congress of Phonetic Sciences ICPhS 2019*. International Phonetic Association, 2019.

[37] Mona Alqassim, K. Cassie Kresnye, Katie A. Siek, and Maria Wolters. Facebook for Support versus Facebook for Research: The Case of Miscarriage. In *Proceedings of the ACM CHI Conference on Human Factors in Computing Systems 2019*. ACM, 2019.

[38] Mohammad Tahaei, Adam Jenkins, Kami Vaniea, and Maria Wolters. "I don't know too much about it": On the Security Mindsets of Computer Science Students. In *STAST2019 9th International Workshop on Socio-Technical Aspects in Security and Trust*, 2019.

[39] Youssef Al Hariri, Walid Magdy, and Maria Wolters. Arabs and Atheism: Religious Discussions in the Arab Twittersphere. In *Social Informatics*, 2019.

[40] M.K. Wolters, N. Kim, J.-H. Kim, S.E. MacPherson, and J.C. Park. Prosodic and linguistic analysis of semantic fluency data: A window into speech production and cognition. In *Proceedings of the Annual Conference of the International Speech Communication Association, INTERSPEECH*, volume 08-12-Sept, 2016. ISSN: 19909772 2308457X.

[41] Maria Klara Wolters, Luis Ferrini, Elaine Farrow, Aurora Szentagotai Tatar, and Christopher D. Burton. Tracking depressed mood using speech pause patterns. In *International Congress of Phonetic Sciences*, 2015.

[42] Maria K Wolters, Jonathan Kilgour, Sarah E MacPherson, Myroslava Dzikovska, and Johanna D Moore. The CADENCE Corpus: A New Resource for Inclusive Voice Interface Design. In *Proceedings of the 33rd Annual ACM Conference on Human Factors in Computing Systems*, pages 3963–3966, New York, NY, USA, 2015. ACM. Series Title: CHI '15.

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