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Appointments

University of Melbourne

Mar 2017–present. Professor of Human-Computer Interaction.

University of Oulu

Jan 2016–Feb 2017. Director, Center for Ubiquitous Computing.

Nov 2011–Feb 2017. Professor of Computer Engineering.

Carnegie Mellon University

Oct 2007–Sep 2011. Adjunct Assistant Professor. HCI Institute.

University of Madeira

Oct 2007–Sep 2011. Assistant Professor.

University of Bath

Feb 2005–Sep 2007. Postdoctoral researcher.

Feb–Oct 2005. Lecturer.

Visiting/Honorary Appointments

Jan 2021–Dec 2021. Research Associate. Murdoch Childrens Research Institute.

Aug 2018–Aug 2023. Honorary Researcher. Northern Health Hospital.

May–Jun 2014. Visiting Professor. Center for Spatial Information Science, University of Tokyo.

Jun–Sep 2007. Visiting Scientist. California Institute for Telecommunications and Information Technology, University of California San Diego.

Feb 2005–Sep 2007. Visiting Researcher. Bartlett School of Architecture, University College London.

Feb 2005–Sep 2007. Visiting Researcher. Hewlett Packard Laboratories.

Education

2005. PhD Computer Science, University of Bath, UK. *A design framework for pervasive computing systems.*

2001. BSc Computer Science, University of Bath, UK. First Class Honours.

Leadership roles

2019–present. Founder, Director, Smart Hospital Living Lab, University of Melbourne.

2018–2022. Group Leader, HCI Group, University of Melbourne.

2016–2017. Founding Director, Center for Ubiquitous Computing, University of Oulu.

2015–2017. Education Council member, University of Oulu.

2014–2015. Director, Community Imaging research group, University of Oulu.

2014–2017. Director of postgraduate studies, Computer Science and Eng., University of Oulu.

2014–2017. Member, Doctoral Training Committee, University of Oulu Graduate School.

2014–2017. Ethics Board vice-member, University of Oulu.

2012–2013. Deputy member, Doctoral Training Committee, University of Oulu Graduate School.

2011. Vice-president, Madeira Interactive Technologies Institute.

2011–2013. Assistant Director, MediaTeam research group, University of Oulu.

2008. Organizer for Living Science 2008 Expo (Lisbon), Carnegie Mellon / Portugal stand.

2002–2005. Webmaster, University of Bath, Department of Computer Science.

2001–2004. Communications Committee, British Computer Society HCI Group.

2001–2006. Webmaster, HCI Group, University of Bath, Department of Computer Science.

- Awards and distinctions**
- 2024. SIGCHI Academy member.
 - 2021. Brian Shackel Award for best paper, INTERACT conference.
 - 2019. Distinguished Paper Award, IMWUT Journal (presented at UbiComp).
 - 2017. Honourable Mention Award, Australian Conference on Human-Computer Interaction.
 - 2015. SIGCHI Special Recognition for Reviewing.
 - 2015. Best Full Paper Award, British HCI Conference.
 - 2014. SIGCHI Best of CHI Honorable Mention Award (top 5% of submissions).
 - 2014. SIGCHI Best Talk Award.
 - 2013. Marie Curie Fellow: Career Integration Grant.
 - 2013. USAID: Winner of Tech Challenge for Atrocity Prevention (Alert Category).
 - 2012. IBM Open Collaborative Faculty Award.
 - 2012. Named one of the “Faces of Oulu” to publicly promote technology and research.
 - 2010. Mentor for New Scholars Research Grant recipients (Thailand).
 - 2010. Fellow of the Finland Distinguished Professor Program (Academy of Finland).
 - 2010. IBM Open Collaborative Faculty Award.
 - 2009. Invited jury member for the UBI-Challenge (University of Oulu, Finland).
 - 2007. Most Valuable Player (West of England Basketball Association, UK).
 - 2007. Recipient of a UK / US Science Bridge (SetSquared, UK).
 - 2007. Creativity in Systems Design award (EPSRC, UK).
 - 2006. Declared as Science Ambassador (STEMNET, UK).
 - 2006. Role Model award in Science (Engineering and Technology Board, UK).
 - 2001. Recipient of the Chancellor’s Postgraduate Fellowship (University of Bath, UK).
 - 2000. Outstanding achievement award in American Football (University of Bath, UK).
 - 1998. World University Debate Championship: Judge diploma (Levels 1, 2, 3).
 - 1994. Winner of BeNeLux mathematics competition (Mathcounts Competition).
 - 1994. 6th place in European mathematics competition (Mathcounts Competition).
- Editorial boards and steering groups**
- 2024–present. ACM TOCHI, *Associate Editor*.
 - 2018–2022. IEEE Pervasive Computing, *Editorial Board member*.
 - 2017–2020. Member, *HotPOST steering committee*.
 - 2017–2019. Member, *ACM UbiComp steering committee*.
 - 2016–2020. Founding Editor, *Proceeding of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (PAMC IMWUT)*.
 - 2015–present. Associate Editor, *Frontiers in Human-Media Interaction*.
 - 2010–2010. Steering Committee, *Network on Security and Critical Infrastructure Protection (NET-SCIP)*.
- Event organisation**
- 2024. ACM UbiComp, General Chair.
 - 2023. IEEE AIoTsys, General Chair.
 - 2022. IEEE Pervasive Computing, Special issue guest editor: Out-of-the-Lab Pervasive Computing.
 - 2020. IEEE Pervasive Computing, Special issue guest editor: Growing up with Pervasive Computing.
 - 2020. IEEE Pervasive Computing, Special issue guest editor: Personalised Pervasive Health.
 - 2019. ACM CHI, Technical Program Committee Chair.
 - 2016. ACM PerDis, General Chair.
 - 2015. Ambient Intelligence, Thematic Chair.
 - 2015. ACM MUM, Demo Chair.
 - 2013. ACM Ubicomp, Organiser for Workshop on Computer Mediated Social Offline Interactions (SOFTec).
 - 2013. ACM Ubicomp, Organiser for Workshop on Ubiquitous Mobile Instrumentation (UbiMI).
 - 2013. ACM UbiComp, Organiser for Workshop on Human Interfaces for Civic and Urban Engagement (HiCUE).
 - 2012. WWW, Organiser for Workshop on Social web for disaster management.

- 2012. Ubicomp workshop on Computer Mediated Social Offline Interactions, Organiser.
- 2012. ACM Ubicomp, Organiser for Workshop on Ubiquitous Mobile Instrumentation.
- 2012. IJHCS, Special issue guest editor: Social Networks and Ubiquitous Interactions.
- 2011. ACM TEI, Demo Chair.
- 2011. INTERACT, Associate Chair.
- 2011. ACM Ubicomp, Organiser for Workshop Urban Sensoria.
- 2010. NET-SCIP 2010 workshop on Security, Organiser.
- 2010. ACM Ubicomp, Workshop Chair.
- 2008. NetSci, Organiser for Workshop on Social Networks and Ubiquitous Computing.
- 2005. ACM CHI, Organiser for UbiSoc workshop.
- 2005. Interacting with Computers, Special issue guest editor: Social Implications of Emerging Technologies.
- 2003. BCS-HCI, Technical Chair.

- Grants**
- 2022–2026. AI in Mental Health. CSIRO Data61 Next Gen Graduate Program (12-NGAI-R1). Chief Investigator with McNaney, Yap, Cai, Alvarez, D'Alfonso. (\$1,640,000 AUD).
 - 2021–2023. A comprehensive national scale human mobility data asset for Australia. Australian Research Data Commons (doi.org:10.47486/DP702). Chief Investigator with Liebig, Najeebullah, Jurdak, Geard, Barr (\$500,000 AUD).
 - 2021–2024. Harnessing information technology to improve self-management behaviours and health outcome in people with heart failure: A smarthome ecosystem Living Lab Study. NHMRC Ideas Grant, Australia (APP2004316). Chief Investigator with Maddison, Vasa, Oldenburg, Dingler, Rawstorn, Kwasnicka (\$1,120,225 AUD).
 - 2021–2022. Using smartphone sensor data to monitor and predict mental health conditions (2021-232746 3696). Cisco University Research Program Fund. Chief Investigator with D'Alfonso, Schmaal, Alvarez (\$99,122 USD).
 - 2021–2022. Integrated Qualification Test Framework to Measure Crowd Worker Quality and Assign or Recommend Heterogeneous Task. Amazon Research Awards. Chief Investigator with Goncalves (\$100,000 AUD).
 - 2021–2023. Cybersecurity Assurance for Teams of Computers and Humans. Joint Australian Department of Industry, Science, Energy and Resources (DISER) and U.S. Army Research Office (ARO) Multidisciplinary University Research Initiative (MURI) (GRANT13203896). Chief Investigator with Jha, Rubinstein, Bauer, Berkovsky, Brown, Chaudhuri, Eidels, Fredrikson, Gonzalez, Kaafar, McDaniel, Murray, Ohrimenko, Rogers, Zhu. (\$3,000,000 AUD + \$3,750,000 USD).
 - 2019–2022. Conceptualising and Measuring Digital Emotion Regulation. ARC Discovery Project, Australia (DP190102627). Chief Investigator with Wadley, Goncalves, Smith, Alvarez, Cox, Gross (\$410,000 AUD).
 - 2019–2024. Centre for Research Excellence in Interactive Digital Technology to Transform Australia's Chronic Disease Outcomes. NHMRC, Australia (1170937). Chief Investigator with Oldenburg, Maddison, Boyle, Borland, Lau, Furler, Scuffham, Abraham, Taylor (\$2,500,000 AUD).
 - 2018–2021. Reliable Operating Room. CSIRO (PhD Scholarship - TP706849). Chief Investigator (\$129,787 AUD).
 - 2017–2018. Advanced Models of Online Metalearning and Cognitive Computing in Highly Dynamic Context Scenarios. Samsung (Global Research Outreach). Chief Investigator with Koch (\$100,000 USD).
 - 2015–2017. 6AIKA: Open urban models as an open innovation platform. European Commission, European Regional Development Fund (A71143). Co-Principal Investigator with Ojala (€694,216).
 - 2015–2017. iCYCLE: Cyclist-aware traffic lights through distributed smartphone sensing. Academy of Finland (285062). Sole Principal Investigator (€523,000).
 - 2015–2018. iSCIENCE: Smartphones for science. Academy of Finland (285459). Sole Principal Investigator (€854,000).

- 2014–2018. Grey and green in Europe: elderly living in urban areas. European Commission, Marie Skłodowska-Curie Research and Innovation Staff Exchange (645706). Co-Principal Investigator (€828,000).
- 2012–2013. Leveraging community content for disaster awareness and emergency response coordination. IBM Open Collaborative Faculty Award. Sole Principal Investigator (\$40,000 USD).
- 2012–2016. Modelling Urban Mobility in City-Scale Ubiquitous Systems. European Commission, Marie Curie Career Integration Grant (322138). Sole Principal Investigator (€100,000).
- 2011–2014. UBI Metrics - Multidisciplinary Framework for Evaluating Ubicomp Systems in Real-World Urban Settings. Academy of Finland (137736). Co-Principal Investigator with Ojala (€660,100).
2010. Novel sensing techniques for urban transport. Portugal public transport authority (Horarios do Funchal). Sole Principal Investigator (€30,000).
- 2010–2011. SPAEN: a software platform for automated enterprise-wide analytics. Autonomous Region of Madeira Knowledge+ Program (MADFDR-01-1090-FEDER-000003). Principal Investigator with Chen (€227,000).
- 2010–2012. Urban flows and social networks. Fellowship of the Finland Distinguished Professor Program (40040/10). Co-Principal Investigator with Ojala (€600,000).
- 2010–2011. Leveraging community content for disaster awareness and emergency response coordination. IBM Open Collaborative Faculty Award. Sole Principal Investigator (\$40,000 USD).
- 2010–2013. Human-robot interaction with field robots using augmented reality and interactive mapping. Portuguese Foundation for Science and Technology (PTDC/EIA-CCO/113257/2009). Co-Principal Investigator with Ventura, Oakley, Bernardino, Gaspar (€129,885).
- 2010–2013. Novel optical fiber sensors for monitoring the fermentation of Madeira wine. Portuguese Foundation for Science and Technology (PTDC/EQU-EPR/114685/2009). Co-Principal Investigator with Pinto (€97,764).
- 2009–2012. SINAIS: Sustainable interaction with social networks, context awareness and innovative services. Portuguese Foundation for Science and Technology (CMU-PT/HuMach/0004/2008). Co-Principal Investigator with Nunes, Soibelman, Oakley, Nisi (€572,895).
- 2009–2012. WeSP: Web security and privacy. Portuguese Foundation for Science and Technology (CMU-PT/SE/0028/2008). Principal Investigator with Sadeh, Cranor, Peha, Catano, Oakley (€370,000).
- 2007–2008. Human factors in mobile malware. SetSquared UK/US Science bridge. Co-Principal Investigator with O'Neill (£40,000).
2007. "Creativity in systems design flexible award. University of Bath. PI with Dekoninck (£3,000).
- 2005–2009. Cityware: urban design and pervasive systems. EPSRC (EP/C547683/1). Researcher Co-Investigator (£1,200,000).
- Keynote talks**
2021. "Smart Hospitals". Keynote at the University of Melbourne Department of Surgery Research Showcase 2021, Melbourne, Australia. November 16.
2020. "Towards Smart Hospitals". Pre-summit talk the Digital Health Futures event, Melbourne, Australia. March 6.
2017. "Towards computers everywhere (and what this means for medicine and healthcare)". Keynote at the Northern Health Research week, Melbourne, Australia. October 3.
2015. "Digital whispers – What can technologies tell us about humans and cities". Main Speaker at the Smart City Seminar, Oulu, Finland. May 5.
2013. "Community Imaging". Keynote speech at the Second International Workshop on Ubiquitous Mobile Instrumentation, ACM Ubicomp, Zurich, Switzerland. September 8.

2012. "From labs to cities: Mapping the social impact of ubiquitous technologies". Keynote speech at the 2nd IEEE International Workshop on Social Implications of Pervasive, IEEE Percom, Lugano, Switzerland. March 23.
2010. "Towards smarter public transport". Keynote speech at I2COMM, IEEE Latincom, Bogota, Colombia. September 16.
2009. "Urban encounters of the 3rd type". Keynote speech at the 3rd International Cartographic Association's workshop on Geospatial Analysis and Modeling, Gavle, Sweden. August 6.

Invited talks

2023. "What smartphones can tell us about human behaviour". Talk at CSIRO, Melbourne. February 15.
2022. "Human-Emotion Interaction is a complex system". The Future of Emotion in Human-Computer Interaction, workshop at CHI 2022, Online. April 14.
2021. "Smart Hospital Living Lab". Talk at the University of Boston, Boston, USA. March 26.
2021. "Interaction is a complex system". Talk at Emergent Interaction: Complexity, Dynamics, and Enaction in HCI, workshop at CHI 2021, Online. May 15.
2019. "The Smart Hospital Living Lab". Talk at the University of Cambridge, Cambridge, UK. May 16.
2019. "Life in the 22nd Century: Living with the Internet of Things". Melbourne Knowledge Week, Melbourne, Australia. May 25.
2019. "Smartphone App Usage, Understanding, Modelling, and Prediction". Tutorial Instructor at UbiComp, London, UK. September 10.
2019. "Smart Hospital Living Lab". Northern Health Research Grand Rounds, Melbourne, Australia. November 10.
2018. "Computers everywhere, and Opportunities for healthcare". Victoria-India Health and Technology Forum, New Delhi, India. June 9.
2018. "The Smart Hospital Living Lab". CIS Seminar, Melbourne, Australia. September 4.
2017. "Using smartphones for population research". Seminar at Melbourne School of Population and Global Health, Melbourne, Australia. May 31.
2017. "Using smartphones for crowdsourcing research". Instructor ACM Summer school on crowdsourcing, Suzhou, China. July 13.
2016. "Community Imaging" techniques: Understanding people through their use of technology". Summer School on Smart Cities, Vienna, Austria. August 24.
2016. "From theory to practice: Lessons learned from Oulu's SmartCity experiences". Summer School on Smart Cities, Vienna, Austria. August 24.
2016. "Digital whispers – What can technologies tell us about humans and cities?". Summer School on Smart Cities, Vienna, Austria. August 24.
2016. "From theory to practice: Lessons learned from Oulu's SmartCity experience". Executive workshop at City of Vienna, Vienna, Austria. August 26.
2016. "The big hole in HCI". UCL Symposium on HCI Grand Challenges, London, UK. September 12.
2016. "Modelling Smartphone Usage: A Markov State Transition Model". UbiComp 2016, Heidelberg, Germany. September 15.
2015. "Modelling what friendship patterns of Facebook reveal about personality and social capital". CHI 2015, Seoul, South Korea. April 20.
2014. "CHI 1994-2013: Mapping Two Decades of Intellectual Progress through Co-word Analysis". CHI 2014, Toronto, Canada. May 1.
2014. "Identity Crisis of UbiComp? Mapping 15 Years of the Field's Development and Paradigm Change". UbiComp 2014, Seattle, Washington. September 15.
2013. "Crowdsourcing beyond the desktop". Dagstuhl workshop on crowdsourcing, Dagstuhl, Germany. September 3.
2012. "From labs to cities: Mapping the social impact of ubiquitous technologies". Talk at University of Lugano, Lugano, Switzerland. March 27.
2012. "From labs to cities: Mapping the social impact of ubiquitous technologies". Talk at University of Zurich, Zurich, Switzerland. March 28.

2012. "Ubiquitous computing and smarter cities". Talk at ETH Zurich, Zurich, Switzerland. March 29.
2012. "From labs to cities: Mapping the social impact of ubiquitous technologies". IGW Summercamp at the Vienna University of Technology, Vienna, Austria. July 3.
2012. "Unwinding spatial and transpatial networks". Lonrentz Workshop on Computational Models of Physical/Virtual Space Interaction, Leiden, Netherlands. December 17.
2011. "Ubiquitous Computing: Moving Interaction Beyond the Desktop and into the City". Talk at the University of Athens, Athens, Greece. February 4.
2011. "Towards real-time emergency response using crowd supported analysis of social media". Talk at IBM TJ Watson, Yorktown Heights, New York. May 13.
2011. "Driving innovation in urban computing with a community testbed". Talk at The First Workshop on Pervasive Urban Applications, at Pervasive 2011, San Fransisco, California. June 12.
2010. "Brief Encounters: Sensing, Modeling and Visualizing Urban Mobility and Copresence Networks". Talk at CHI 2010, Atlanta, Georgia. April 15.
2010. "Urban Social Networks: Sensing, Modelling and Visualising Urban Mobility and Copresence Networks ". Talk at 2nd Open Ubiquitous City Seminar, Oulu, Finland. May 31.
2010. "Making friends in life and online: Equivalence, micro-correlation and value in spatial and transpatial social networks". Talk at SocialCom, Minneapolis, Minnesota. August 20.
2010. "Privacy: The final frontier". UbiOulu Forum, Oulu, Finland. August 30.
2010. "Ubiquitous computing research". Talk at University Santiago, Cali, Colombia. September 14.
2009. "Designing trustworthy situated services". Talk at CHI 2009, Boston, Massachusetts. April 6.
2009. "Novel sensing techniques for urban transport". Talk at the University of Oulu, Oulu, Finland. August 10.
2008. "Understanding spatial and transpatial networks". Talk at Cambridge University, Cambridge, UK. June 19.
2008. "Cityware: Interplay between physical and digital space". Talk at the Bartlett School of Architecture, UCL, London, UK. October 23.
2008. "Human-Computer Interaction". Sciencia Viva (Living Science), Lisbon, Portugal. November 22.
2007. "NFC: Issues, lessons and future research". Talk at Percom 2007, White Plains, New York. March 19.
2007. "Experiences with urban deployment of Bluetooth". Talk at UCSD, San Diego, California. March 22.
2007. "Understanding mobility and encounter in the digital landscape". Talk at EPSRC WINES workshop, Warwick, UK. April 23.
2007. "Experiences with urban deployment of Bluetooth". Talk at UCL, London, UK. May 11.
2007. "Quantifying the effect of space on encounte". Talk at the Space Syntax Symposium, Istanbul, Turkey. June 13.
2007. "Pervasive Computing 1.0". Talk at the AgentCities workshop, Bath, UK. August 29.
2007. "Brief encounter networks". Talk at Oxford University, Oxford, UK. October 16.
2007. "Pervasive Computing 1.0". Talk at Dorkbot and Spike Media, Bristol, UK. November 20.
2007. "City-ware: space, technologies and people". Talk at the Bartlett School of Architecture, UCL, London, UK. November 22.
2007. "Urban deployment of Bluetooth". Talk at Carnegie Mellon University, Pittsburg, Pennsylvania. December 12.
2006. "Research overview of Bluetooth in urban space". Talk at the Bartlett, UCL, London, UK. January 24.
2006. "A design framework for pervasive systems". Talk at Hewlett-Packard Labs, Bristol, UK. March 29.

2006. "Building common ground by sharing mobile device context". Talk at LoCa workshop, Dublin, Ireland. May 11.
2006. "Cityware: Urban design and pervasive systems". Talk at Microsoft Research, Cambridge, UK. July 20.
2006. "Instrumenting the city". Talk at UbiComp 2006, Orange County, California. September 20.
2006. "Cityware and Bluetooth tracking". Talk at Cambridge University, Cambridge, UK. November 16.
2006. "City-ware: space, technologies and people". Talk at the Bartlett, UCL, London, UK. November 27.
2005. "Pervasive computing: Interaction and design". Talk at Athens University of Bussienss and Economics, Athens, Greece. February 4.
2005. "Pervasive computing: Interaction and design". Talk at Lancaster University, Lancaster, UK. June.
2005. "The Cityware Project: Pervasive computing and urban space". Talk at the University of Bath, Bath, UK. June.
2004. "Designing pervasive systems for society". Talk at First International Workshop on Sustainable Pervasive Computing, at Pervasive 2004, Vienna, Austria. April 20.
2004. "A novel approach for identification and authentication of users in a pervasive environment". Talk at UkUbiNet workshop, Cambridge, UK. May 7.
2004. "Pervasive computing in emergency situations". Talk at HICSS 2004, Big Island, Hawaii. January 6.
2003. "Introducing pervasive systems to society". Talk at Imperial College, London, UK. May.
2003. "A directional stroke recognition technique". Talk at the British HCI Conference, Bath, UK. September 9.

News mentions

2021. *E-magazine by DirectIndustry*. "Experimenting with IoT: Labs of the Future" (September 8).
2019. *BBC Radio 4*. "Interview on the Digital Human (Series 16, Episode: Wisdom)" (March 18).
2019. *Health Victoria*. "Northern Health gets its teeth into patient flow" (July 30).
2019. *Phys.org*. "Research to help mobile phones act smarter and last longer" (February 26).
2016. *APA Science*. "Interview (in German)" (April 30).
2016. *The Economist*. "Buddy, can you spare a Watt?" (April 30).
2014. *New Scientist*. "Magnetic messages let smartphones receive secret data" (July 3).
2013. *Communications of the ACM*. "Crowdsourcing Platforms Monitor Disease, Dissent, and Disasters" (March 8).
2013. *New Scientist*. "Use a bus stop touchscreen to kill time – and help out" (July 31).
2011. *New Scientist*. "Earthquake? Terrorist bomb? Call in the AI" (May 18).
2011. *CanalUP*. "Facebook is far from dying (in Portuguese)" (June 30).
2010. *Scientific American*. "Manipulation of the Crowd: How Trustworthy Are Online Ratings?" (July 1).
2010. *Hack-a-day*. "Wine cask sensor suite" (August 4).
2009. *SIC*. "Sinais project: Sensors in public transport anticipate users' needs" (September 8).
2009. *MIT Technology Review*. "Can You Trust Crowd Wisdom?" (September 16).
2008. *New Scientist*. "Towards the Facebook phone" (February 8).
2008. *Slashdot*. "Bluetooth Surveillance Tested In the UK" (April 22).
2008. *New Scientist*. "Bluetooth provides spies with a window into your life" (April 30).
2008. *The Guardian*. "Bluetooth is watching" (July 21).
2008. *Eleftherotipia*. "The Cityware project (in Greek)" (October 26).
2007. *Unwired Magazine*. "Cityware for Faceboo" (September).
2007. *BBC News*. "Bluetooth helps Facebook friends" (August 16).
2007. *BBC Radio 1*. "Live interview on Drivetime show" (August 20).
2006. *TVNZ*. "Historic city hosts modern experiment" (February 21).
2006. *The Register*. "Boffins wrestle with future in Roman Bath" (February 20).
2006. *BBC News*. "Futuristic phones tested in city" (February 22).

- PhD students**
- 2024–present. Lina Brockmeier, *University of Melbourne Freie Universität Berlin* (co-supervised by Tilman Dingler, Jan Keller).
- 2023–present. Le Fang, *University of Melbourne* (co-supervised by Jorge Goncalves).
- 2023–present. Suwani Gunasekara, *University of Melbourne* (co-supervised by Jorge Goncalves).
- 2023–present. Jarod Govers, *University of Melbourne* (co-supervised by Jorge Goncalves, Eduardo Velloso).
- 2022–present. Songyan Teng, *University of Melbourne* (co-supervised by Simon D'Alfonso).
- 2022–present. Tianyi Zhang, *University of Melbourne* (co-supervised by Simon D'Alfonso).
- 2019–2023. Jing Wei, *University of Melbourne* (co-supervised by Tilman Dingler).
- 2019–present. Mo Zhang, *University of Melbourne University of Birmingham* (co-supervised by David Oswald, Toby Murray).
- 2018–2024. Gabriele Marini, *University of Melbourne* (co-supervised by Jurdak, Goncalves, Velloso).
- 2019–2023. Pallewatta Kankanamge, *University of Melbourne* (co-supervised by Rajkumar Buyya).
- 2019–2023. Weiwei Jiang, *University of Melbourne* (co-supervised by Jorge Goncalves).
- 2019–2022. Chaofan Wang, *University of Melbourne* (co-supervised by Jorge Goncalves).
- 2018–2022. Senuri Wijenayake, *University of Melbourne* (co-supervised by Jorge Goncalves).
- 2018–2021. Danula Hettiachchi, *University of Melbourne* (co-supervised by Jorge Goncalves).
- 2017–2020. Zhanna Sarsenbayeva, *University of Melbourne* (co-supervised by Jorge Goncalves).
- 2015–2019. Chu Luo, *University of Melbourne* (co-supervised by Jorge Goncalves, Eduardo Velloso).
- 2015–2019. Niels van Berkel, *University of Melbourne* (co-supervised by Jorge Goncalves).
- 2012–2015. Jorge Goncalves, *University of Oulu*.
- 2009–2015. Jayant Venkatanathan, *University of Madeira* (co-supervised by Evangelos Karapanos).
- 2010–2015. Jakob Rogstadius, *University of Madeira* (co-supervised by Evangelos Karapanos).
- 2012–2013. Denzil Ferreira, *University of Oulu* (co-supervised by Anind Dey).
- Researchers supervised**
- 2024–2024. Hong Jia, *University of Melbourne* (Research fellow).
- 2019–2022. Benjamin Tag, *University of Melbourne* (Senior Research fellow).
- 2018–2020. Tillman Dingler, *University of Melbourne* (Senior Research fellow).
- 2017–2018. Thomas Christy, *University of Melbourne* (Senior Research fellow).
- 2017–2018. Fernando Koch, *University of Melbourne* (Senior Research fellow).
- 2015–2016. Juan Camilo, *University of Oulu* (Research Assistant).
- 2015–2016. Simon Klakegg, *University of Oulu* (Research Assistant).
- 2015–2016. Theodoros Anagnostopoulos, *University of Oulu* (Postdoctoral Researcher).
- 2015–2016. Huber Flores, *University of Oulu* (Postdoctoral Researcher).
- 2015–2017. Aku Visuri, *University of Oulu* (Research Assistant).
- 2015–2017. Jorge Goncalves, *University of Oulu* (Postdoctoral Researcher).
- 2014–2015. Pratyush Pandab, *University of Oulu* (Research Assistant).
- 2014–2017. Simo Hosio, *University of Oulu* (Academy of Finland Postdoctoral Researcher).
- 2013–2017. Denzil Ferreira, *University of Oulu* (Academy of Finland Postdoctoral Researcher).
- 2012–2014. Yong Liu, *University of Oulu* (Postdoctoral Researcher).
- 2009–2011. Tiago Camacho, *University of Madeira* (Research Assistant).
- PhD thesis examiner**
2022. Lixiang Yan, *Monash University* (Socio-spatial Learning Analytics for Supporting Educational Research and Practice).
2020. M. Aamir Mehmood, *The Shaheed Zulfikar Ali Bhutto Institute of Science and Technology* (A Model Based Testing Approach for Context-Aware Mobile Applications).
2019. Dias Pereira Dos Santos Augusto, *University of Sydney* (Using Motion Sensor and Machine Learning to Support the Assessment of Rhythmic Skills in Social Partner Dance: Bridging Teacher, Student and Machine Contexts).

- 2018. Mohammad Saiedur Rahaman, *RMIT* (Context-aware Mobility Analytics and trip Planning).
- 2018. Iqbal Sarker, *Swinburne University of Technology* (Mining Individualized Context-dependent Behavioral Rules from Smartphone Data).
- 2018. Jake Fountain, *University of Newcastle Australia* (Ambient Sensor Fusion for Virtual Reality Systems).
- 2016. Claudia Zuniga, *University of Vigo* (UrbanContext: A model for the design of Urban Computing Systems).
- 2015. Kai Zhao, *University of Helsinki* (Understanding urban human mobility for network applications).
- 2013. Marcello Paolo Scipioni, *University of Lugano* (Privacy-aware location sharing in friend-finder systems through task-oriented tools).
- 2012. Yangqing Cui, *Technical University of Tampere* (Social networking services on mobile devices: user interface designs and user experience studies).

PhD thesis
committee

- 2018–present. Xiaojie Wang, *University of Melbourne* (Advisory Committee Chair).
- 2018–present. Renlord Yang, *University of Melbourne* (Advisory Committee Chair).
- 2018–present. Shima Rashidi, *University of Melbourne* (Advisory Committee Chair).
- 2014–2016. Elena Vildjiounaite, *University of Oulu* (Follow-up group chair).
- 2014–2018. Anu Pramila, *University of Oulu* (Follow-up group chair).
- 2013–2014. Adeladza 'Kofi' Amegah, *University of Oulu* (Follow-up group chair).
- 2013–2014. Simo Hosio, *University of Oulu* (Follow-up group chair).
- 2013–2017. Markus Ylimaki, *University of Oulu* (Follow-up group chair).
- 2013–2017. Leena Venta-Olkkonen, *University of Oulu* (Follow-up group chair).
- 2013–2018. Arto Heikkinen, *University of Oulu* (Follow-up group chair).
- 2013–2018. Angelos Fylakis, *University of Oulu* (Follow-up group chair).

Teaching

University of Melbourne

- 2019. HCI Project (INFO90008).
- 2019. HCI Project Advanced (INFO90009).
- 2018–present. Mobile Computing Systems Programming (COMP900018).
- 2017–present. Fundamentals of Interaction Design (INFO10003).
- 2018. Usability Engineering (INFO30004).
- 2018. Information Architecture (INFO90005).

University of Oulu

- 2012–2015. Human Computer Interaction (521145A).
- 2013–2015. Mobile and Social Computing (521147S).
- 2013–2014. Applied Computing Project 1 (521151A).
- 2013–2014. Applied Computing Project 2 (521152S).
- 2012–2014. Research Methods in Computer Science (521146S).
- 2012. Information Networks Service Techniques (521499A).

University of Madeira

- 2008–2010. Social Web.
- 2010. HCI Project II.
- 2010. HCI Project I.
- 2009–2010. Research Topics in Ubiquitous Computing.
- 2009. Programing Usable Interfaces.
- 2008. Software Architectures for User Interfaces.

University of Bath

- 2005. Introduction to Software Engineering (CM10137).
- 2005. Project Management (CM20026/CM50122).

BSc/MSc
theses
supervised

2017. Mitra Vahida, *University of Oulu* (MSc, Smartphone-based IoT COAP interface).
 2017. Alexander Samodelkin, *University of Oulu* (MSc, Cyclist-aware intelligent transportation system).
 2016. Zhanna Sarsenbayeva, *University of Oulu* (MSc, Assessment of mobile interaction performance in cold environments).
 2016. Aku Visuri, *University of Oulu* (MSc, Smartphone based contextual symptom tracking and data gathering).
 2015. Riku Kallio, *University of Oulu* (MSc, Development process and evaluation of a customer service chat application).
 2015. Joonas Rahko, *University of Oulu* (MSc, Web client for a RESTful clinical data management system).
 2015. Olli Okkonen, *University of Oulu* (MSc, RESTful clinical data management system).
 2015. Mikko Korhonen, *University of Oulu* (BSc, AWARE-WS: a multipurpose science dashboard).
 2015. Aku Visuri, *University of Oulu* (BSc, AWARE-WS: a multipurpose science dashboard).
 2015. Henri Koski, *University of Oulu* (BSc, AWARE-WS: a multipurpose science dashboard).
 2014. Atte Heinikoski, *University of Oulu* (MSc, Statistical analysis and visualization of a large-scale test run database in protocol testing).
 2013. Saad Chaudhry, *University of Oulu* (MSc, Indoor location estimation using an nfc-based crowdsourcing approach for bootstrapping, co-supervised by Jukka Riekk).
 2012. Tomi Juntunen, *University of Oulu* (BSc, Vehicular Traffic Statistics Using Google Maps).
 2012. Katariina Heikkinen, *University of Oulu* (MSc, Dashboard interface for steel service centers).
 2011. Fransisco Andrade, *University of Madeira* (MSc, Eliciting community feedback on social media).
 2011. Jorge Goncalves, *University of Madeira* (MSc, Narrowcasting on social media).
 2011. Vitor Ferreira, *University of Madeira* (MSc, Brain Computer Interfaces).
 2011. Nelson Serrao, *University of Madeira* (MSc, Combating shoulder surfing).
 2011. Sandra Perdomo, *University of Madeira* (MSc, Visualising privacy on social media).
 2011. Fernando Rodrigues, *University of Madeira* (MSc, Public display tweeting).
 2010. Paulo Teixeira, *University of Madeira* (MSc, Smart Signs, co-supervised by Maria Lijding at University of Twente/CTIT).
 2010. Salvador Faria, *University of Madeira* (MSc, An Online Platform for Real-Time Sensor Data Collection, Visualization, and Sharing, co-supervised by Marques Jose Carlos).
 2010. Bernardo Reynolds, *University of Madeira* (Twitter privacy controls, co-supervised by Isidro Maya Jariago at University of Sevilla).
 2010. Amilcar Rodrigues, *University of Madeira* (MSc, Combating shoulder-surfing).
 2010. Maria Fritas, Mark Leun, Ricardo Jesus, Mike Pennisi, *University of Madeira* (MHCI Capstone, Distributed collaboration across smart environments, co-supervised by Lucia Terrenghi at Vodafone).
 2009. Tiago Camacho, *University of Madeira* (MSc, Proximity Sensing and Context-Aware Content Dissemination).

Technical
Programme
Committees

2020. WristSense - Workshop at PerCom.
 2019. EarComp - Workshop at UbiComp.
 2018. WWW: The Web Conference.
 2016. UbiComp: ACM International Joint Conference on Pervasive and Ubiquitous Computing.
 2015. UCMC: 2nd International Workshop on Urban Computing and Modern Cities - IISA.
 2015. Mobile Cognition - Workshop at MobileHCI.
 2014. PD-Apps: Workshop on Developing Applications for Pervasive Display Networks.
 2014. ENIC: The First European Network Intelligence Conference.
 2013. EIPS: Workshop on Experiencing Interactivity in Public Spaces.
 2013. ASONAM: International Conference on Advances in Social Networks Analysis and Mining.

2013. Sociable Smart City: Symposium on Smart Cities, International Conference on Intelligent Environments.
- 2013, 2014. PerDis: International Symposium on Pervasive Displays.
2012. SIPC: IEEE International Workshop on Social Implications of Pervasive Computing.
2012. UbiCrowd: Ubiquitous Crowdsourcing workshop at Ubicomp 2012.
- 2012, 2013. ICWSM: International AAAI Conference on Weblogs and Social Media.
- 2012, 2013, 2014, 2015. AmI: International conference on Ambient Intelligence.
2011. SocialComNet: International Workshop on Social Computing, Network, Services.
2011. SOTICS: The First International Conference on Social Eco-Informatics.
2011. Pervasive 2011 workshop selection committee.
2011. Simplex: Simplifying Complex Networks for Practitioners.
2011. SNAA: Workshop on Social Network Analysis in Applications.
2011. IPSoN11: Workshop on the Integration of Physical and Social-Network Sensing and Mining.
2011. SCA: International Conference on Social Computing and Applications.
- 2011, 2012. C&T: International Conference on Communities and Technologies.
- 2011, 2012, 2013, 2014, 2015. MUM: International Conference on Mobile and Ubiquitous Multimedia.
2010. FSKD: International Conference on Fuzzy Systems and Knowledge Discovery.
2010. PerCom, work in progress.
2010. SocialCom.
- 2010, 2011. Workshop on Enterprise Crowdsourcing.
2010. Digital Cities 7 (with Communities & Technologies 2010), Brisbane, Australia.
2009. WEIA: Workshop on Emerging Internet Applications.
- 2009, 2010. U-NET: Workshop on User-provided Networking.
- 2009, 2010, 2011. HotPlanet: the ACM International Workshop on Hot Topics of Planet-scale Mobility Measurements.
2008. W3C workshop on the Future of Social Networking.
2008. International Workshop on Social Interaction and Mundane Technologies.
2007. SAC: ACM Symposium on Applied Computing, track on Ubiquitous Computing.

Reviewing

- Journal reviewer for *ACM Transaction in Computer Human Interaction*, *Advances in Human Computer Interaction*, *Computer Journal*, *Computers, Environment and Urban Systems*, *Computer Networks*, *Geographical Analysis*, *IEEE Pervasive*, *IEEE Transactions on Dependable and Secure Computing*, *IEEE Transactions on Knowledge and Data Engineering*, *IEEE Transactions on Mobile Computing*, *IEEE Transactions on Parallel and Distributed Computing*, *IEEE Transactions on Systems Man and Cybernetics Part B*, *Information Processing Letters*, *Interacting with Computers*, *International Journal of Arts and Technology*, *International Journal of Health Geographics*, *International Journal of Human-Computer Studies*, *Journal of Systems and Software*, *Journal of Urban Technology*, *Personal and Ubiquitous Computing*, *Pervasive and Mobile Computing*, *Psychological Methods*, *PLoS ONE*, *Transportation Research Part C*.
- Conference reviewer for *ACM CHI*, *ACM CSCW*, *ACM C&T*, *ACM IUI*, *ACM SAC*, *ACM Ubicomp (and previously Pervasive)*, *ACM TEI*, *MobileHCI*, *IEEE SocialCom*, *IEEE Infocom*, *IEEE Percom*, *INTERACT*, *NordiCHI*, *OzCHI*.
- Grant reviewer for *EU FP7*, *H2020*, *EPSRC UK*, *National ICT Australia*, *FWF Austrian Science Fund*, *FCT Portugal*, *Innovation Fund Serbia*, *ARC Australia*, *Netherlands Organisation for Scientific Research*, *Czech Science Foundation*, *NASA*.
- Tenure/promotion reviewer for *University of Technology Sydney*, *Ulsan National Institute of Science and Technology (Korea)*, *Sussex University (UK)*, *Ionian University (Greece)*, *Athens University of Economics and Business (Greece)*, *University of Patras (Greece)*, *Open University (Greece)*, *Instituto Superior Técnico (Portugal)*, *Aalto University (Finland)*, *Monash University (Australia)*, *Western Sydney University (Australia)*.

Publications *Books*

1. S. Brewster, G. Fitzpatrick, A. Cox, V. Kostakos (2019). *CHI '19: Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems*. New York, NY, USA: ACM, 9077 pages. [URL].
2. T. Ojala, V. Kostakos, J. Muller, N. Memarovic (2016). *PerDis '16: Proceedings of the 5th ACM International Symposium on Pervasive Displays*. New York, NY, USA: ACM, 258 pages. [URL].

Journal articles

3. W. Jiang, J. Goncalves, V. Kostakos (2024). Mobile Near-Infrared Sensing - A Systematic Review on Devices, Data, Modeling and Applications. **ACM Computing Surveys**, 56(8), article 201, 36 pages. DOI: 10.1145/3652596. [URL] [Impact Factor: 16.6][ERA: A*].
4. J. Kim, D. Lee, M. Han, J. Kim, V. Kostakos, I. Oakley (2024). Unpacking Instagram use: The impact of upward social comparisons on usage patterns and affective experiences in the wild. **International Journal of Human-Computer Studies**, 190, article 103323, 11 pages. DOI: 10.1016/j.ijhcs.2024.103323. [URL] [Impact Factor: 5.4][ERA: A][Citations: 1].
5. G. Marini, J. Goncalves, E. Velloso, R. Jurdak, V. Kostakos (2024). A toolkit for localisation queries. **Pervasive and Mobile Computing**, 103, article 101946, 22 pages. DOI: 10.1016/j.pmcj.2024.101946. [URL] [Impact Factor: 4.3][ERA: B].
6. S. Pallewatta, V. Kostakos, R. Buyya (2024). MicroFog: A framework for scalable placement of microservices-based IoT applications in federated Fog environments. **Journal of Systems and Software**, 209, article 111910, 19 pages. DOI: 10.1016/j.jss.2023.111910. [URL] [Impact Factor: 3.5][ERA: A][Citations: 8].
7. S. Pallewatta, V. Kostakos, R. Buyya (2024). Reliability-aware Proactive Placement of Microservices-based IoT Applications in Fog Computing Environments. **IEEE Transactions on Mobile Computing**, 16 pages. DOI: 10.1109/TMC.2024.3394486. [URL] [Impact Factor: 7.9][ERA: A*].
8. W. Jiang, C. Wang, Z. Sarsenbayeva, A. Irlitti, J. Wei, J. Knibbe, T. Dingler, J. Goncalves, V. Kostakos (2023). InfoPrint: Embedding Interactive Information in 3D Prints Using Low-Cost Readily-Available Printers and Materials. **Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT)**, 7(3), article 102, 29 pages. DOI: 10.1145/3610933. [URL] [Impact Factor: 4.0][ERA: A*][Citations: 2].
9. W. Jiang, D. Yu, C. Wang, Z. Sarsenbayeva, N. Berkel, J. Goncalves, V. Kostakos (2023). Near-Infrared Imaging for Information Embedding and Extraction with Layered Structures. **ACM Transactions on Graphics**, 42(1), article 4, 26 pages. DOI: 10.1145/3533426. [URL] [Impact Factor: 6.2][ERA: A*][Citations: 3].
10. M. H. Lim, L. Thurston, R. Eres, T. L. Rodebaugh, M. Alvarez-Jimenez, D. L. Penn, V. Kostakos, J. F. M. Gleeson (2023). A pilot randomised controlled trial of the Peer Tree digital intervention targeting loneliness in young people: a study protocol. **Trials**, 24, article 77, 13 pages. DOI: 10.1186/s13063-022-07029-7. [URL] [Impact Factor: 2.5][Citations: 1].
11. S. O'Sullivan, N. Berkel, V. Kostakos, L. Schmaal, S. D'Alfonso, L. Valentine, S. Bendall, B. Nelson, J. F. M. Gleeson, M. Alvarez-Jimenez (2023). Understanding What Drives Long-term Engagement in Digital Mental Health Interventions: Secondary Causal Analysis of the Relationship Between Social Networking and Therapy Engagement. **JMIR Mental Health**, 10, article e44812, 11 pages. DOI: 10.2196/44812. [URL] [Impact Factor: 5.2][Citations: 8].
12. S. Pallewatta, V. Kostakos, R. Buyya (2023). Placement of Microservices-Based IoT Applications in Fog Computing: A Taxonomy and Future Directions. **ACM Computing Surveys**, 55(14), article 321, 43 pages. DOI: 10.1145/3592598. [URL] [Impact Factor: 16.6][ERA: A*][Citations: 14].
13. Z. Sarsenbayeva, N. van Berkel, D. Hettiachchi, B. Tag, E. Velloso, J. Goncalves, V. Kostakos (2023). Mapping 20 years of accessibility research in HCI: A co-word analysis.

- International Journal of Human-Computer Studies**, 175, article 103018, 15 pages. DOI: 10.1016/j.ijhcs.2023.103018. [URL] [Impact Factor: 5.4][ERA: A][Citations: 16].
14. Y. Shi, P. Koval, V. Kostakos, J. Goncalves, G. Wadley (2023). “Instant Happiness”: Smartphones as Tools for Everyday Emotion Regulation. **International Journal of Human-Computer Studies**, 170, article 102958, 14 pages. DOI: 10.1016/j.ijhcs.2022.102958. [URL] [Impact Factor: 5.4][ERA: A][Citations: 29].
 15. B. Tag, N. Berkel, S. Verma, B. Z. H. Zhao, S. Berkovsky, D. Kaafar, V. Kostakos, O. Ohrimenko (2023). DDoD: Dual Denial of Decision Attacks on Human-AI Teams. **IEEE Pervasive Computing**, 22(1), 77–84. DOI: 10.1109/MPRV.2022.3218773. [URL] [Impact Factor: 1.6][ERA: A][Citations: 6].
 16. C. Wang, W. Jiang, K. Yang, Z. Sarsenbayeva, B. Tag, T. Dingler, J. Goncalves, V. Kostakos (2023). Using Thermal Imaging to Measure Hand Hygiene Quality. **The Journal of Hospital Infection**, 139, 113–120. DOI: 10.1016/j.jhin.2023.05.016. [URL] [Impact Factor: 6.9].
 17. D. Zarate, M. Ball, M. Prokofieva, V. Kostakos, V. Stavropoulos (2023). Identifying self-disclosed anxiety on Twitter: A natural language processing approach. **Psychiatry Research**, 330, article 115579, 29 pages. DOI: 10.1016/j.psychres.2023.115579. [URL] [Impact Factor: 2.3][Citations: 4].
 18. F. Alt, V. Kostakos, N. Olivier (2022). Out-of-the-Lab Pervasive Computing (Editorial). **IEEE Pervasive Computing**, 21(1), 7–8. DOI: 10.1109/MPRV.2022.3147105. [URL] [Impact Factor: 1.6][ERA: A].
 19. N. Berkel, S. D’Alfonso, R. Kurnia Susanto, D. Ferreira, V. Kostakos (2022). AWARE-Light: a smartphone tool for experience sampling and digital phenotyping. **Personal and Ubiquitous Computing**, 27, 435–445. DOI: 10.1007/s00779-022-01697-7. [URL] [Impact Factor: 3.006][ERA: B][Citations: 17].
 20. D. Hettiachchi, V. Kostakos, J. Goncalves (2022). A Survey on Task Assignment in Crowdsourcing. **ACM Computing Surveys**, 55(3), article 49, 35 pages. DOI: 10.1145/3494522. [URL] [Impact Factor: 16.6][ERA: A*][Citations: 56].
 21. S. Pallewatta, V. Kostakos, R. Buyya (2022). QoS-aware placement of microservices-based IoT applications in Fog computing environments. **Future Generation Computer Systems**, 131, 121–136. DOI: 10.1016/j.future.2022.01.012. [URL] [Impact Factor: 7.5][ERA: A][Citations: 70].
 22. Z. Sarsenbayeva, N. Berkel, E. Velloso, J. Goncalves, V. Kostakos (2022). Methodological Standards in Accessibility Research on Motor Impairments: A Survey. **ACM Computing Surveys**, 55(7), article 143, 35 pages. DOI: 10.1145/3543509. [URL] [Impact Factor: 16.6][ERA: A*][Citations: 8].
 23. B. Tag, N. Berkel, A. W. Vargo, Z. Sarsenbayeva, T. Colasante, G. Wadley, S. Webber, W. Smith, P. Koval, T. Hollenstein, J. Goncalves, V. Kostakos (2022). Impact of the global pandemic upon young People’s use of technology for emotion regulation. **Computers in Human Behavior Reports**, 6, article 100192, 22 pages. DOI: 10.1016/j.chbr.2022.100192. [URL] [Citations: 13].
 24. B. Tag, J. Goncalves, S. Webber, P. Koval, V. Kostakos (2022). A Retrospective and a Look Forward: Lessons Learned From Researching Emotions In-the-Wild. **IEEE Pervasive Computing**, 21(1), 28–36. DOI: 10.1109/MPRV.2021.3106272. [URL] [Impact Factor: 1.6][ERA: A][Citations: 11].
 25. B. Tag, Z. Sarsenbayeva, A. Cox, G. Wadley, J. Goncalves, V. Kostakos (2022). Emotion trajectories in smartphone use: Towards recognizing emotion regulation in-the-wild. **International Journal of Human-Computer Studies**, 166, article 102872, 14 pages. DOI: 10.1016/j.ijhcs.2022.102872. [URL] [Impact Factor: 5.4][ERA: A][Citations: 7].
 26. C. Wang, W. Jiang, K. Yang, Z. Sarsenbayeva, B. Tag, J. Goncalves, V. Kostakos (2022). A System for Computational Assessment of Hand Hygiene Techniques. **Journal of Medical**

- Systems**, 46, article 32, 12 pages. DOI: 10.1007/s10916-022-01817-z. [URL] [Impact Factor: 5.3][Citations: 8].
27. J. Wei, W. Jiang, C. Wang, D. Yu, J. Goncalves, T. Dingler, V. Kostakos (2022). Understanding How to Administer Voice Surveys through Smart Speakers. **Proceedings of the ACM on Human-Computer Interaction**, 6(CSCW2), article 548, 32 pages. DOI: 10.1145/3555606. [URL] [ERA: A][Citations: 7].
 28. S. Wijenayake, N. Berkel, V. Kostakos, J. Goncalves (2022). Quantifying determinants of social conformity in an online debating website. **International Journal of Human-Computer Studies**, 158, article 102743, 16 pages. DOI: 10.1016/j.ijhcs.2021.102743. [URL] [Impact Factor: 5.4][ERA: A][Citations: 7].
 29. N. Berkel, S. Dennis, M. Zyphur, J. Li, A. Heathcote, V. Kostakos (2021). Modeling interaction as a complex system. **Human-Computer Interaction**, 36(4), 279–305. DOI: 10.1080/07370024.2020.1715221. [URL] [Impact Factor: 5.3][ERA: A][Citations: 36].
 30. D. Hettiachchi, L. Hayes, J. Goncalves, V. Kostakos (2021). Team Dynamics in Hospital Workflows: An Exploratory Study of a Smartphone Task Manager. **JMIR Medical Informatics**, 9(8), article e28245, 9 pages. DOI: 10.2196/28245. [URL] [Impact Factor: 3.2][Citations: 3].
 31. K. Mangaroska, B. Vesin, V. Kostakos, P. Brusilovsky, M. Giannakos (2021). Architecting Analytics Across Multiple E-learning Systems to Enhance Learning Design. **IEEE Transactions on Learning Technologies**, 14(2), 173–188. DOI: 10.1109/TLT.2021.3072159. [URL] [Impact Factor: 3.7][Citations: 36].
 32. K. Sharma, K. Mangaroska, N. Berkel, M. Giannakos, V. Kostakos (2021). Information flow and cognition affect each other: Evidence from digital learning. **International Journal of Human-Computer Studies**, 146, article 102549, 20 pages. DOI: 10.1016/j.ijhcs.2020.102549. [URL] [Impact Factor: 5.4][ERA: A][Citations: 21].
 33. H. Shi, Y. Li, H. Cao, X. Zhou, C. Zhang, V. Kostakos (2021). Semantics-Aware Hidden Markov Model for Human Mobility. **IEEE Transactions on Knowledge and Data Engineering**, 33(3), 1183–1194. DOI: 10.1109/TKDE.2019.2937296. [URL] [Impact Factor: 8.9][ERA: A*][Citations: 40].
 34. A. Visuri, N. Berkel, J. Goncalves, R. Rawassizadeh, D. Ferreira, V. Kostakos (2021). Understanding usage style transformation during long-term smartwatch use. **Personal and Ubiquitous Computing**, 25, 535–549. DOI: 10.1007/s00779-020-01511-2. [URL] [Impact Factor: 3.006][ERA: B][Citations: 15].
 35. C. Wang, W. Jiang, K. Yang, D. Yu, J. Newn, Z. Sarsenbayeva, J. Goncalves, V. Kostakos (2021). Electronic Monitoring Systems for Hand Hygiene: Systematic Review of Technology. **Journal of Medical Internet Research**, 23(11), article e27880, 29 pages. DOI: 10.2196/27880. [URL] [Impact Factor: 7.4][Citations: 33].
 36. J. Wei, T. Dingler, V. Kostakos (2021). Understanding User Perceptions of Proactive Smart Speakers. **Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT)**, 5(3), article 185, 28 pages. DOI: 10.1145/3494965. [URL] [Impact Factor: 4.0][ERA: A*][Citations: 25].
 37. Y. Zhang, F. Xu, T. Li, V. Kostakos, P. Hui, Y. Li (2021). Passive Health Monitoring Using Large Scale Mobility Data. **Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT)**, 5(1), article 49, 23 pages. DOI: 10.1145/3448078. [URL] [Impact Factor: 4.0][ERA: A*][Citations: 19].
 38. O. Amft, J. Favela, S. Intille, M. Musolesi, V. Kostakos (2020). Personalized Pervasive Health (Editorial). **IEEE Pervasive Computing**, 19(3), 11–13. DOI: 10.1109/MPRV.2020.3003142. [URL] [Impact Factor: 1.6][ERA: A][Citations: 15].
 39. T. Anagnostopoulos, C. Luo, J. Ramson, K. Ntalianis, V. Kostakos, C. Skourlas (2020). A multi-agent system for distributed smartphone sensing cycling in smart cities. **Journal of Systems and Information Technology**, 22(4), 119–134. DOI: 10.1108/JSIT-12-2018-0158. [URL] [Impact Factor: 3.1][ERA: C][Citations: 4].

40. N. Berkel, J. Goncalves, S. Hosio, Z. Sarsenbayeva, E. Velloso, V. Kostakos (2020). Overcoming Compliance Bias in Self-Report Studies: A Cross-Study Analysis. **International Journal of Human-Computer Studies**, 134, 1–12. DOI: 10.1016/j.ijhcs.2019.10.003. [URL] [Impact Factor: 5.4][ERA: A][Citations: 63].
41. Y. Chen, N. Berkel, C. Luo, Z. Sarsenbayeva, V. Kostakos (2020). Application of miniaturized near-infrared spectroscopy in pharmaceutical identification. **Smart Health**, 18, article 100126, 6 pages. DOI: 10.1016/j.smh.2020.100126. [URL] [Impact Factor: 5.19][Citations: 6].
42. Z. Chen, H. Cao, H. Wang, F. Xu, V. Kostakos, Y. Li (2020). Will You Come Back / Check-in Again? Understanding Characteristics Leading to Urban Revisitation and Re-Check-In. **Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT)**, 4(3), article 76, 27 pages. DOI: 10.1145/3411812. [URL] [Impact Factor: 4.0][ERA: A*][Citations: 15].
43. M. N. Giannakos, S. Papavlasopoulou, V. Kostakos, I. Pappas, K. Sharma (2020). Fitbit for Learning: Towards capturing the learning experience using wearable sensing. **International Journal of Human-Computer Studies**, 136, article 102384, 14 pages. DOI: 10.1016/j.ijhcs.2019.102384. [URL] [Impact Factor: 5.4][ERA: A][Citations: 68].
44. D. Hettiachchi, N. Berkel, V. Kostakos, J. Goncalves (2020). CrowdCog: A Cognitive Skill based System for Heterogeneous Task Assignment and Recommendation in Crowdsourcing. **Proceedings of the ACM on Human-Computer Interaction**, 4(CSCW), article 110, 22 pages. DOI: 10.1145/3415181. [URL] [ERA: A][Citations: 47].
45. V. Kostakos, B. Knowles, P. Markopoulos, K. Yatani (2020). Growing Up With Pervasive Computing (Editorial). **IEEE Pervasive Computing**, 19(1), 8–9. DOI: 10.1109/MPRV.2020.2971286. [URL] [Impact Factor: 1.6][ERA: A].
46. C. Luo, J. Goncalves, E. Velloso, V. Kostakos (2020). A Survey of Context Simulation for Testing Mobile Context-Aware Applications. **ACM Computing Surveys**, 53(1), article 21, 39 pages. DOI: 10.1145/3372788. [URL] [Impact Factor: 16.6][ERA: A*][Citations: 41].
47. G. Marini, B. Tag, J. Goncalves, E. Velloso, R. Jurdak, D. Capurro, C. McCarthy, W. Shearer, V. Kostakos (2020). Measuring Mobility and Room Occupancy in Clinical Settings: System Development and Implementation. **JMIR mHealth and uHealth**, 8(10), article e19874, 17 pages. DOI: 10.2196/19874. [URL] [Impact Factor: 5.0][Citations: 2].
48. K. Sharma, E. Niforatos, M. Giannakos, V. Kostakos (2020). Assessing Cognitive Performance Using Physiological and Facial Features: Generalizing across Contexts. **Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT)**, 4(3), article 95, 41 pages. DOI: 10.1145/3411811. [URL] [Impact Factor: 4.0][ERA: A*][Citations: 43].
49. B. Tag, T. Dingler, A. W. Vargo, V. Kostakos (2020). Inferring Circadian Rhythms of Cognitive Performance in Everyday Life. **IEEE Pervasive Computing**, 19(3), 14–23. DOI: 10.1109/MPRV.2020.2994914. [URL] [Impact Factor: 1.6][ERA: A][Citations: 7].
50. C. Wang, Z. Sarsenbayeva, X. Chen, T. Dingler, J. Goncalves, V. Kostakos (2020). Accurate Measurement of Handwash Quality Using Sensor Armbands: Instrument Validation Study. **JMIR mHealth and uHealth**, 8(3), article e17001, 18 pages. DOI: 10.2196/17001. [URL] [Impact Factor: 5.0][Citations: 42].
51. S. Wijenayake, N. Berkel, V. Kostakos, J. Goncalves (2020). Impact of contextual and personal determinants on online social conformity. **Computers in Human Behavior**, 108, article 106302, 11 pages. DOI: 10.1016/j.chb.2020.106302. [URL] [Impact Factor: 9.9][Citations: 76].
52. S. Wijenayake, N. Berkel, V. Kostakos, J. Goncalves (2020). Quantifying the Effect of Social Presence on Online Social Conformity. **Proceedings of the ACM on Human-Computer Interaction**, 4(CSCW), article 55, 22 pages. DOI: 10.1145/3392863. [URL] [ERA: A][Citations: 25].

53. S. Wijenayake, D. Hettiachchi, S. Hosio, V. Kostakos, J. Goncalves (2020). Effect of Conformity on Perceived Trustworthiness of News in Social Media. **IEEE Internet Computing**, 1–8. DOI: 10 . 1109 / MIC . 2020 . 3032410. [URL] [Impact Factor: 3.2][ERA: B][Citations: 39].
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Publication metrics

Published 2 books, 131 journal articles, 12 book chapters, 166 conference papers, 1 thesis, and 11 miscelanea. Number of citations: 12359. H-index: 56. (Source: Google Scholar)