

# Vassilis Kostakos

Curriculum Vitae

## Contact Information

University of Melbourne  
School for Computing and Information Systems  
VIC-3010 Parkville  
Australia

vassilis.kostakos@unimelb.edu.au  
<http://people.eng.unimelb.edu.au/vkostakos>  
Phone: +61 3903 58966

## Experience

- Professor of Human Computer Interaction**, University of Melbourne (Australia) Mar. 2017 -  
*School of Computing and Information Systems*
- Professor of Computer Engineering**, University of Oulu (Finland) Nov. 2011 – Feb. 2017  
*Department of Computer Science and Engineering, then Center for Ubiquitous Computing*
- Visiting Professor**, University of Tokyo (Japan) May 2014 - Jun. 2014  
*Center for Spatial Information Science*
- Adjunct Assistant Professor**, Carnegie Mellon University (USA) Oct. 2007 - Sep. 2011  
*Human Computer Interaction Institute*
- Assistant Professor**, University of Madeira (Portugal) Oct. 2007 - Sep. 2011  
*Madeira Interactive Technologies Institute*
- Post-doc**, University of Bath (UK) Feb. 2005 - Sep. 2007  
*Department of Computer Science*
- Visiting Fellow**, UCL (UK) Sep. 2005 - Sep. 2007  
*Bartlett School of Architecture*
- Visiting Fellow**, Hewlett Packard Laboratories (UK) Sep. 2005 - Sep. 2007  
*Bristol Lab, UK*
- Visiting Scientist**, UCSD (USA) Jun. - Sep. 2007  
*California Institute for Telecommunications and Information Technology*
- Lecturer**, University of Bath (UK) Feb. - Oct. 2005  
*Department of Computer Science*
- Consultancy** 2005 - Present  
NSA, Nokia, Vodafone, Airbus, Hutchison, Blyk, Eye, Path Intelligence, SoftWair, Proximity Media, iName, KLP, Moli, Transport for London.

## Education

- PhD in Computer Science** (Human-Computer Interaction), 2001-2005  
*University of Bath, UK*  
Thesis: A design framework for pervasive computing systems.  
Examination committee: Alan Dix, Hilary Johnson, Eamonn O'Neill (supervisor).
- BSc in Computer Science** (First Class, top 5%), 2001  
*University of Bath, UK*

## Awards and Recognition

- 2015: Best Full Paper Award at the British HCI Conference
- 2015: SIGCHI Special Recognition for Reviewing
- 2014: SIGCHI Best Talk Award
- 2014: SIGCHI Best of CHI Honorable Mention Award (top 5% of submissions)
- 2013: USAID: Winner of Tech Challenge for Atrocity Prevention (Alert Category)
- 2013: Marie Curie Career Integration Grant
- 2012: Named one of the "Faces of Oulu" to publicly promote technology and research
- 2012: IBM Open Collaborative Faculty Award
- 2010: IBM Open Collaborative Faculty Award
- 2010: Fellow of the Finland Distinguished Professor Program (Academy of Finland)
- 2010: Mentor for New Scholars Research Grant recipients (Thailand)
- 2009: Invited jury member for the UBI-Challenge (University of Oulu, Finland)
- 2007: Creativity in Systems Design award (EPSRC, UK)
- 2007: Recipient of a UK / US Science Bridge (SetSquared, UK)
- 2007: Most Valuable Player (West of England Basketball Association, UK)
- 2006: Role Model award in Science (Engineering and Technology Board, UK)
- 2006: Declared as Science Ambassador (STEMNET, 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: 6th place in European mathematics competition (Mathcounts Competition)
- 1994: Winner of BeNeLux mathematics competition (Mathcounts Competition)

## Grants

- "iSCIENCE: Smartphones for science", Academy of Finland, €854 000, 2015-2018. (Sole PI)
- "iCYCLE: Cyclist-aware traffic lights through distributed smartphone sensing", Academy of Finland, €523 000, 2015-2017. (Sole PI)
- "Grey and green in Europe: elderly living in urban areas", Marie Skłodowska-Curie Research and Innovation Staff Exchange, €828 000, 2014-2018. (Co-PI)
- "Modelling Urban Mobility in City-Scale Ubiquitous Systems", Marie Curie Career Integration Grant, €100 000, 2012-2016 (Sole PI).
- "Leveraging community content for disaster awareness and emergency response coordination", IBM Open Collaborative Faculty Award, \$40 000, 2012-2013. (Sole PI)
- "UBI Metrics - Multidisciplinary Framework for Evaluating Ubicomp Systems in Real-World Urban Settings", Academy of Finland, € 660 100, 2011-2014. (Co-PI with Ojala)
- "Novel optical fiber sensors for monitoring the fermentation of Madeira wine", Portuguese Foundation for Science and Technology, €97 764, 2010-2013. (Co-PI with Pinto, Marques)
- "Human-robot interaction with field robots using augmented reality and interactive mapping", Portuguese Foundation for Science and Technology, €129 000, 2010-2013. (Co-PI with Ventura, Oakley, Bernardino, Gaspar)
- "Leveraging community content for disaster awareness and emergency response coordination", IBM Open Collaborative Faculty Award, \$40 000, 2010-2011. (Sole PI)
- "Urban flows and social networks", Academy of Finland, Fellowship of the Finland Distinguished Professor Program, €600 000, 2010-2012. (PI with Ojala)
- "SPAEN: a software platform for automated enterprise-wide analytics", Autonomous Region of Madeira Knowledge+ Program, €227 000, 2010-2011. (PI with Chen)

- “Usability evaluation techniques for situated privacy”, Portuguese Foundation for Science and Technology, €50 000, 2010-2013. (Sole PI)
- “Novel sensing techniques for urban transport”, Portugal public transport authority, €30 000, 2010. (Sole PI)
- “WeSP: Web security and privacy”, Portuguese Foundation for Science and Technology, €370 000, 2009-2012. (PI with Sadeh, Cranor, Peha, Catano, Oakley)
- “SINAIS: Sustainable interaction with social networks, context awareness and innovative services”, Portuguese Foundation for Science and Technology, €600 000, 2009-2012. (Co-PI with Nunes, Soibelman, Oakley, Nisi)
- “Creativity in systems design flexible award”, UK Engineering and Physical Sciences Research Council, £3 000, 2007. (PI with Dekoninck)
- “Human factors in mobile malware”, SetSquared UK/US Science bridge, £40 000, 2007-2008. (Co-PI with O’Neill)
- “Cityware: urban design and pervasive systems”, UK Engineering and Physical Sciences Research Council, £1 200 000, 2005-2008. (Recognized researcher with O’Neill, Kindberg, Sloman, Penn)

## Keynote talks

- Main speaker at Smart City Seminar, 2015, Oulu: Digital whispers - What can technologies tell us about humans & cities?
- Keynote speech at UbiMI (with ACM Ubicomp), 2013, Zurich, Switzerland.
- Keynote speech at SIPC (with Percom, Lugano), 2012, Lugano, Switzerland: From labs to cities: Mapping the social impact of ubiquitous technologies.
- Keynote speech at I2COMM (with IEEE Latincom), 2010, Bogota, Colombia.
- Keynote speech at the 2nd Open Ubiquitous City seminar, 2010, Oulu, Finland
- Keynote speech at the International Cartographic Association’s workshop on geospatial analysis and modeling, 2009, Sweden

## Invited talks

- UCL Symposium on HCI Grand Challenges, London, 2016.
- Instructor at Smart City Summer school, Vienna, 2016.
- Invited talk at the University of Tokyo, 2014, Tokyo: Mobile and social computing.
- Invited talk at Hitachi, 2014, Tokyo: Mobile and social computing.
- Invited talk at the Dagstuhl workshop on Crowdsourcing, 2013, Dagstuhl: Crowdsourcing beyond the desktop.
- Invited speaker at the Lorentz Center workshop on Computational Models of Physical/Virtual Space Interaction, 2012, Leiden, Netherlands: Unwinding spatial and transpatial networks.
- Technical University of Vienna, 2012: From labs to cities: Mapping the social impact of ubiquitous technologies
- ETH Zurich (Information Management), 2012: Ubiquitous computing and smarter cities.
- University of Zurich (Informatics), 2012: From labs to cities: Mapping the social impact of ubiquitous technologies.
- University of Lugano (Informatics), 2012: From labs to cities: Mapping the social impact of ubiquitous technologies
- IBM TJ Watson, 2011: Crowd-in-the-loop: Towards real-time emergency response using crowd supported analysis of social media.
- University of Athens (Informatics), 2011: Ubiquitous Computing: Moving Interaction Beyond the Desktop and into the City.
- Invited lecture at IEEE ANDESCON, 2010, Bogota, Colombia.
- Panelist at UbiOulu Forum, 2010, Oulu, Finland.

- University of Oulu (Computer Science), 2009: Novel sensing techniques for urban transport
- UCL (Bartlett School of Architecture), 2008: Exploring the interplay between physical & digital space
- Cambridge University (Computer Lab), 2008: Understanding spatial and transpatial networks
- Carnegie Mellon University (HCII) 2007: Experience with an urban deployment of Bluetooth
- Oxford University (Physics) 2007: Brief encounter networks
- UCSD (Calit<sup>2</sup>), 2007: Experiences with an urban deployment of Bluetooth
- Nokia, Helsinki, 2007: Cityware for Facebook
- Vodafone R&D, UK, 2007: Bluetooth and social networks
- UCL (Bartlett School of Architecture) 2007: City-ware: space, technologies & people
- Dorkbot & Spike Media, UK, 2007: Pervasive Computing 1.0
- UCL (Computer Science), 2007: Experiences with urban deployment of Bluetooth
- Warwick University, 2007: Understanding mobility and encounter in the digital landscape
- Cambridge University (Computer Lab), 2006: Cityware and Bluetooth tracking
- Microsoft Research, Cambridge, 2006: Cityware: Urban design and pervasive systems
- Hewlett-Packard Labs, Bristol, 2006: A design framework for pervasive systems
- Lancaster University (Computing), 2005: Pervasive computing: Interaction and design
- Imperial College (Engineering & Computing), 2003: Introducing pervasive systems to society

## Media Mentions

- APA Science: Interview (in German) (25/8/2016)
- The Economist: Buddy, can you spare a Watt? (30/4/2016)
- New Scientist: Magnetic messages let smartphones receive secret data (3/7/2014)
- New Scientist: Use a bus stop touchscreen to kill time – and help out (31/7/2013)
- Communications of the ACM: Crowdsourcing Platforms Monitor Disease, Dissent, and Disasters (8/3/2013)
- CanalUP: Facebook is far from dying (in Portuguese) (30/6/2011)
- New Scientist: Earthquake? Terrorist bomb? Call in the AI (18/5/2011)
- Hack-a-day: Wine cask sensor suite (4/8/2010)
- Scientific American: Manipulation of the Crowd: How Trustworthy Are Online Ratings? (1/7/2010)
- MIT Technology Review: Can You Trust Crowd Wisdom? (16/9/2009)
- SIC: Sinais project: Sensors in public transport anticipate users' needs (8/9/2009)
- The Guardian: Bluetooth is watching (21/7/2008)
- New Scientist: Bluetooth provides spies with a window into your life (30/4/2008)
- Slashdot: Bluetooth Surveillance Tested In the UK (22/4/2008)
- New Scientist: Towards the Facebook phone (8/2/2008)
- BBC Radio: Live interview on Drivetime show (20/8/2007)
- BBC News: Bluetooth helps Facebook friends (16/08/2007)
- BBC News: Futuristic phones tested in city (22/2/2006)
- Unwired magazine: Cityware for Facebook (09/2007)
- The Register: Boffins wrestle with future in Roman Bath (20/2/2006)
- TVNZ: Historic city hosts modern experiment (21/2/2006)

## Teaching

- University of Oulu
  - Fall 2015 - Human Computer Interaction (521145A)

- Spring 2015 - Mobile and Social Computing (521147S)
- Fall 2014 - Applied Computing Project 1 (521151A)
- Fall 2014 - Research Methods in Computer Science (521146S)
- Fall 2014 - Human Computer Interaction (521145A)
- Spring 2014 - Mobile and Social Computing (521147S)
- Spring 2014 - Applied Computing Project 2 (521152S)
- Fall 2013 - Applied Computing Project 1 (521151A)
- Fall 2013 - Research Methods in Computer Science (521146S)
- Fall 2013 - Human Computer Interaction (521145A)
- Spring 2013 - Mobile and Social Computing (521147S)
- Fall 2012 - Research Methods in Computer Science (521146S)
- Fall 2012 - Human Computer Interaction (521145A)
- Spring 2012 - Information Networks Service Techniques (521499A)
- University of Madeira
  - Fall 2010: Social Web
  - Fall 2010: HCI Project II
  - Spring 2010: HCI Project I
  - Spring 2010: Research Topics in Ubiquitous Computing
  - Fall 2009: Social Web
  - Spring 2009: Research Topics in Ubiquitous Computing
  - Spring 2009: Programming Usable Interfaces
  - Fall 2008: Social Web
  - Spring 2008: Software Architectures for User Interfaces
- University of Bath
  - Spring 2005: Introduction to Software Engineering
  - Spring 2005: Project Management

## Researcher Supervision/Assessment

### Current PhD Students & Researchers

- Chu Luo (PhD: 2015-ongoing)
- Niels van Berkel (PhD: 2015-ongoing)
- Zhanna Sarsenbayeva (MSc: 2015-ongoing)
- Thomas Christy (PostDoc: 2017-ongoing)

### Graduated PhD Students

- Jorge Goncalves (PhD: 2012-2015)
- Jayant Venkatanathan (PhD: 2009-2015, co-supervised by Evangelos Karapanos)
- Jakob Rogstadius (PhD: 2010-2015, co-supervised by Evangelos Karapanos)
- Denzil Ferreira (PhD: 2012-2013, co-supervised by Anind Dey)

### Supervised researchers

- Jorge Goncalves (PostDoc: 2015-2017)
- Simo Hosio (PostDoc: 2014-2017)
- Denzil Ferreira (PostDoc: 2013-2017)
- Aku Visuri (MSc: 2015-2017)
- Huber Flores (PostDoc: 2015-2016. Now at University of Helsinki)

- Theodoros Anagnostopoulos (PostDoc: 2015-2016. Now at Ordnance Survey)
- Simon Klakegg (Research Assistant: 2015-2016)
- Juan Camilo (Research Assistant: 2015-2016)
- Yong Liu (Post doc: 2012-2014. Now at Aalto University)
- Pratyush Pandab (Research Assistant: 2014-2015)
- Tiago Camacho (Research Assistant: 2009-2011)

### **Supervised MSc/BSc theses**

- Saad Chaudhry (MSc: 2012-2013). Indoor location estimation using an nfc-based crowdsourcing approach for bootstrapping co-supervised by Jukka Riekkii)
- Katariina Heikkinen (MSc: 2012). Dashboard interface for steel service centers.
- Tomi Juntunen (BSc: 2012). Vehicular Traffic Statistics Using Google Maps.
- Fernando Rodrigues (MSc: 2010-2011). Public display tweeting.
- Sandra Perdomo (MSc: 2010-2011). Visualising privacy on social media.
- Nelson Serrao (MSc: 2010-2011). Combating shoulder surfing.
- Vitor Ferreira (MSc: 2010-2011). Brain Computer Interfaces.
- Jorge Concalves (MSc: 2010-2011). Narrowcasting on social media.
- Fransisco Andrade (MSc: 2010-2011). Eliciting community feedback on social media.
- Maria Fritas, Mark Leun, Ricardo Jesus, Mike Pennisi (MHCI capstone project: 2009-2010). Distributed collaboration across smart environments, co-supervised by Lucia Terrenghi (Vodafone)
- Amilcar Rodrigues (MSc: 2009-2010). Combating shoulder-surfing
- Bernardo Reynolds (MSc: 2009-2010). Twitter privacy controls, co-supervised by Isidro Maya Jariego (U. Sevilla)
- Denzil Ferreira (MHCI: Independent study, 2010 Fall). Platform for mobile context sensing, co-supervised by Anind Dey, (Carnegie Mellon University)
- Salvador Faria (MSc: 2009-2010). An Online Platform for Real-Time Sensor Data Collection, Visualization, and Sharing, co-supervised by Marques Jose Carlos (U. Madeira)
- Paulo Teixeira (MSc: 2009-2010). Smart Signs, co-supervised by Maria Lijding (University of Twente/CTIT)
- Tiago Camacho (MSc: 2008-2009). Proximity Sensing and Context-Aware Content Dissemination.

### **Doctoral Thesis Committee**

- Follow-up group chair for Leena Venta-Oikkonen (Doctoral candidate, 2015-, University of Oulu)
- Follow-up group chair for Anu Pramila (Doctoral candidate, 2015-, University of Oulu)
- Follow-up group chair for Angelos Fylakis (Doctoral candidate, 2013-, University of Oulu)
- Follow-up group chair for Markus Ylimaki (Doctoral candidate, 2013-, University of Oulu)
- Follow-up group chair for Arto Heikkinen (Doctoral candidate, 2013-, University of Oulu)
- Follow-up group chair for Elena Vildjiounaite (Doctoral candidate, 2013-, University of Oulu)
- Follow-up group chair for Simo Hosio (PhD graduation in 2014, University of Oulu)
- Follow-up group member for Adeladza "Kofi" Amegah (PhD graduation in 2014, University of Oulu)

### **Doctoral Thesis Examination**

- Claudia Zuniga (PhD, 2016, University of Vigo). UrbanContext: A model for the design of Urban Computing Systems.
- Kai Zhao (PhD, 2015, University of Helsinki). Understanding urban human mobility for network applications.

- Marcello Paolo Scipioni (PhD, 2013, University of Lugano). Privacy-aware location sharing in friend- finder systems through task-oriented tools
- Yangqing Cui (PhD, 2012, Technical University of Tampere). Social networking services on mobile devices: user interface designs and user experience studies.

## Professional Activities

### Editorial boards & steering groups

- Founding Editor, Proceeding of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (PAMC IMWUT) (2016-)
- Member, UbiComp steering committee (2017-)
- Associate Editor, Frontiers in Human-Media Interaction (2015-)

### Event organisation

- TPC Chair, CHI 2019
- Co-chair, 5th ACM International Symposium on Pervasive Displays (2016)
- Demo Chair, MUM 2015.
- Thematic Chair, Ambient Intelligence, 2015.
- Organiser, Ubicomp 2013 workshop on Human Interfaces for Civic and Urban Engagement (HiCUE)
- Organiser, Ubicomp 2013 workshop on Ubiquitous Mobile Instrumentation (UbiMI)
- Organiser, Ubicomp 2013 workshop on Computer Mediated Social Offline Interactions (SOFTec)
- Guest Editor, special issue of IJHCS on Social Networks and Ubiquitous Interactions (2012)
- Organiser, Ubicomp 2012 workshop on Ubiquitous Mobile Instrumentation
- Organiser, Ubicomp 2012 workshop on Computer Mediated Social Offline Interactions
- Organiser, WWW 2012 workshop on Social web for disaster management
- Organiser, Ubicomp 2011 workshop Urban Sensoria
- Associate Chair, INTERACT 2011
- Demo chair, TEI 2011
- Workshops chair, Ubicomp 2010
- Organiser, NET-SCIP 2010 workshop on Security
- Organiser, NetSci 2008 workshop on Social Networks and Ubiquitous Computing
- Guest Editor, special issue of Interacting with Computers on the social implications of emerging technologies, issue May 2005, 17(4).
- Organiser, CHI 2005 workshop UbiSoc.
- Technical chair, BCS HCI 2003.

### Technical Program Committees

- UbiComp 2016 - ACM International Joint Conference on Pervasive and Ubiquitous Computing
- MUM 2011, 2012, 2013, 2014, 2015 - International Conference on Mobile and Ubiquitous Multimedia
- Mobile Cognition - Workshop at MobileHCI 2015
- UCMC: 2nd International Workshop on Urban Computing and Modern Cities - IISA 2015
- 2nd Int. Workshop on Sociable Smart Cit - at the 11th International Conference on Intelligent Environments IE'15
- Aml 2012, 2013, 2014, 2015 (Thematic Chair) - International conference on Ambient Intelligence
- ENIC 2014 - The First European Network Intelligence Conference
- PerDis 2013, 2014 - International Symposium on Pervasive Displays 2013

- PD-Apps 2014 - Workshop on Developing Applications for Pervasive Display Networks
- ICWSM 2012, 2013 - International AAAI Conference on Weblogs and Social Media
- Sociable Smart City 2013 - Symposium on Smart Cities, International Conference on Intelligent Environments
- ASONAM 2013 - International Conference on Advances in Social Networks Analysis and Mining
- EIPS 2013 - Workshop on Experiencing Interactivity in Public Spaces
- C&T 2011, 2012 - International Conference on Communities & Technologies
- UbiCrowd 2012 - Ubiquitous Crowdsourcing workshop at Ubicomp 2012
- SIPC'12 - IEEE International Workshop on Social Implications of Pervasive Computing
- SCA2011 - International Conference on Social Computing and Applications
- HotPlanet 2009, 2010, 2011 - the ACM International Workshop on Hot Topics of Planet-scale Mobility Measurements.
- IPSoN11 - Workshop on the Integration of Physical and Social-Network Sensing and Mining
- SNAA 2011 - Workshop on Social Network Analysis in Applications
- Simplex 2011 - Simplifying Complex Networks for Practitioners
- Pervasive 2011 workshop selection committee
- SOTICS 2011 - The First International Conference on Social Eco-Informatics
- SocialComNet 2011 - International Workshop on Social Computing, Network, Services
- Digital Cities 7 (with Communities & Technologies 2010), Brisbane, Australia
- EC 2010, 2011 - Workshop on Enterprise Crowdsourcing
- SocialCom 2010
- U-NET'10 - Workshop on User-provided Networking, 2010
- PerCom'10 work in progress
- FSKD'10 - International Conference on Fuzzy Systems and Knowledge Discovery
- WEIA'09 - Workshop on Emerging Internet Applications, 2009
- U-NET'09 - Workshop on User-provided Networking, 2009
- International Workshop on Social Interaction and Mundane Technologies, 2008.
- W3C workshop on the Future of Social Networking, 2008
- ACM Symposium on Applied Computing 2007, track on Ubiquitous Computing.

### **Journal reviewing**

- 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 reviewing**

- 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 Reviewing**

- EU FP7
- EPSRC UK
- National ICT Australia
- FWF Austrian Science Fund
- FCT Portugal

### **Hiring / Promotion committees**

- Ionian University
- Athens University of Economics and Business
- University of Patras

### **University Administration**

- Founding Director, Center for Ubiquitous Computing, University of Oulu (2016)
- Education Council member, University of Oulu (2015-)
- Ethics Board vice-member, University of Oulu (2014-)
- Member, Doctoral Training Committee, University of Oulu Graduate School (2014-)
- Director of postgraduate studies, Department of Computer Science & Eng., University of Oulu (2014-)
- Director, Community Imaging research group, University of Oulu (2014-2015)
- Deputy member, Doctoral Training Committee, University of Oulu Graduate School (2012-2013)
- Assistant Director, MediaTeam research group, University of Oulu (Oct 2011-2013)

- Vice-president, Madeira Interactive Technologies Institute (Jun-Oct 2011)
- Steering Committee, Network on Security and Critical Infrastructure Protection (NET-SCIP, 2010)
- Webmaster, University of Bath, Department of Computer Science (2002-2005)
- Webmaster, HCI Group, University of Bath, Department of Computer Science, (2001-2006)
- Communications Committee, British Computer Society HCI Group (2001-2004)
- Organizer for Living Science 2008 Expo (Lisbon), Carnegie Mellon / Portugal stand: 2008.

### Professional memberships

- ACM lifetime member
- IEEE

## Publications

### Journal articles

- Goncalves, J., Hosio, S., Kostakos, V. (2017). *Eliciting Structured Knowledge from Situated Crowd Markets*. **ACM Transactions on Internet Technology**, 17(2), 14:1-14:21. <https://doi.org/10.1145/3007900> [Impact Factor: 0.577]
- Berenguer, A. G., Goncalves, J., Hosio, S., Ferreira, D., Anagnostopoulos, T., Kostakos, V. (2017). *Are Smartphones Ubiquitous? An In-depth Survey of Smartphone Adoption by Seniors*. **IEEE Consumer Electronics Magazine**, 6(1), 104-110. <https://doi.org/10.1109/MCE.2016.2614524> [1 citations]
- Abowd, G. D., Kostakos, V., Santini, S., Scott, J., Yatani, K. (2017). *Editorial*. **IMWUT**, 1(1), 1. <https://doi.org/10.1145/3075960>
- Goncalves, J., Sarsenbayeva, Z., van Berkel, N., Hosio, S., Rissanen, S., Rintamaki, H., Kostakos, V. (2017). *Tapping Task Performance on Smartphones in Cold Temperature*. **Interacting with Computers**. <https://doi.org/10.1093/iwc/iww029> [Impact Factor: 1.158]
- Sasao, T., Konomi, S. I., Kostakos, V., Kuribayashi, K., Goncalves, J. (2017). *Community Reminder: Participatory Contextual Reminder Environments for Local Communities*. **International Journal of Human-Computer Studies**. <https://doi.org/10.1016/j.ijhcs.2016.09.001> [Impact Factor: 1.415]
- Flores, H., Sharma, R., Ferreira, D., Kostakos, V., Tarkoma, S., Hui, P., Li, Y. (2017). *Social-aware Hybrid Mobile Offloading*. **Pervasive and Mobile Computing**. <https://doi.org/10.1016/j.pmcj.2016.09.014> [Impact Factor: 2.079] [1 citations]
- Pouke, M., Goncalves, J., Ferreira, D., Kostakos, V. (2016). *Practical simulation for virtual crowds using points of interest*. **Computers, Environment and Urban Systems**, 57, 118-129. <https://doi.org/10.1016/j.compenvurbsys.2016.02.004> [Impact Factor: 1.537]
- Liu, Y., Li, H., Goncalves, J., Kostakos, V., Xiao, B. (2016). *Fragmentation or Cohesion? Visualizing the Process and Consequences of Information System Diversity, 1993-2012*. **European Journal of Information Systems**, 25(6), 509-533. <https://doi.org/10.1057/ejis.2016.5> [Impact Factor: 2.213]
- Hosio, S., Kukka, H., Goncalves, J., Kostakos, V., Ojala, T. (2016). *Toward Meaningful Engagement with Pervasive Displays*. **IEEE Pervasive Computing**, 15(3), 24-31. <https://doi.org/10.1109/MPRV.2016.58> [Impact Factor: 1.545] [3 citations]

- Liu, Y., Li, H., Xu, X., Kostakos, V., Heikkila, J. (2016). *Modeling Consumer Switching Behavior in Social Network Games by Exploring Consumer Cognitive Dissonance and Change Experience*. **Industrial Management & Data Systems**, 116(4), 801-820. <https://doi.org/10.1108/IMDS-05-2015-0170> [Impact Factor: 1.345]
- Goncalves, J., Hosio, S., Liu, Y., Kostakos, V. (2016). *Worker performance in a situated crowdsourcing market*. **Interacting with Computers**, 28(5), 612-624. <https://doi.org/10.1093/iwc/iww035> [Impact Factor: 1.268] [1 citations]
- Liu, Y., Ferreira, D., Goncalves, J., Hosio, S., Pandab, P., Kostakos, V. (2016). *Donating Context Data to Science: The Effects of Social Signals and Perceptions on Action-Taking*. **Interacting with Computers**. <https://doi.org/10.1093/iwc/iww013> [Impact Factor: 1.268]
- Anagnostopoulos, T., Ferreira, D., Samodelkin, A., Ahmed, M., Kostakos, V. (2016). *Cyclist-aware traffic lights through distributed smartphone sensing*. **Pervasive and Mobile Computing**, 31, 22-36. <https://doi.org/10.1016/j.pmcj.2016.01.012> [Impact Factor: 2.079]
- Goncalves, J., Hosio, S., Rogstadius, J., Karapanos, E., Kostakos, V. (2015). *Motivating Participation and Improving Quality of Contribution in Ubiquitous Crowdsourcing*. **Computer Networks**, 90, 34-48. <https://doi.org/10.1016/j.comnet.2015.07.002> [Impact Factor: 1.256] [16 citations]
- Ferreira, D., Kostakos, V., Dey, A. K. (2015). *AWARE: mobile context instrumentation framework*. **Frontiers in ICT**, 2(6), 1-9. <https://doi.org/10.3389/fict.2015.00006> [39 citations]
- Kostakos, V., Ferreira, D. (2015). *The Rise Of Ubiquitous Instrumentation*. **Frontiers in ICT**, 2(3), 1-2. <https://doi.org/10.3389/fict.2015.00003> [2 citations]
- Liu, Y., Mezei, J., Kostakos, V., Li, H. (2015). *Applying Configurational Analysis to IS Behavioural Research: a Methodological Alternative for Modelling Combinatorial Complexities*. **Information Systems Journal**, 27(1), 59-89. <https://doi.org/10.1111/isj.12094> [Impact Factor: 1.766] [9 citations]
- Kostakos, V. (2015). *The big hole in HCI research*. **Interactions**, 22(2), 48-51. <https://doi.org/10.1145/2729103> [9 citations]
- Perttunen, M., Kostakos, V., Riekkii, J., Ojala, T. (2015). *Urban traffic analysis through multi-modal sensing*. **Personal and Ubiquitous Computing**, 19(3), 709-721. <https://doi.org/10.1007/s00779-015-0833-4> [Impact Factor: 1.616] [6 citations]
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