

# Vassilis Kostakos

Curriculum Vitae

## Contact Information

University of Melbourne  
School for Computing and Information Systems  
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Australia

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## 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*

## 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

- 2017: Honourable Mention Award at the Australian Conference on Human-Computer Interaction
- 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

- "Advanced Models of Online Metalearning and Cognitive Computing in Highly Dynamic Context Scenarios", Samsung, \$100 000 USD, 2018. (PI with Coch).
- "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

- Opening keynote speaker at Northern Health Research week, 2017, Melbourne: Towards computers everywhere (and what this means for medicine and healthcare).
- 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 Melbourne
  - Spring 2018 - Usability Engineering (INFO30004)
  - Fall 2017 - Fundamentals of Interaction Design (INFO10003)
- 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: Programing 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, co-supervised by Jorge Goncalves, Eduardo Velloso)
- Niels van Berkel (PhD: 2015-ongoing, co-supervised by Jorge Goncalves)
- Zhanna Sarsenbayeva (PhD: 2017-ongoing, co-supervised by Jorge Goncalves)
- Nicholas Smith (PhD: 2017-ongoing, co-supervised by Frank Vetere)
- Ahed Aladwan (PhD: 2017-ongoing, co-supervised by Eduardo Velloso)
- Tuhin Chakraborty (PhD: 2017-ongoing, co-supervised by Eduardo Velloso)
- Danula Hettiachchi (PhD: 2018-ongoing, co-supervised by Jorge Goncalves)
- Gabrielle Marini (PhD: 2018-ongoing, co-supervised by Jurdak, Goncalves, Velloso)
- Fernando Koch (PostDoc: 2018-ongoing)
- Tillman Dingler (PostDoc: 2018-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

- Thomas Christy (PostDoc: 2017-2018)
- 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

- Alexander Samodelkin (MSc, 2017): Cyclist-aware intelligent transportation system
- Mitra Vahida (MSc, 2017). Smartphone-based IoT COAP interface
- Aku Visuri (MSc, 2016): Smartphone based contextual symptom tracking and data gathering
- Zhanna Sarsenbayeva (MSc, 2016): Assessment of mobile interaction performance in cold environments
- Atte Heinikoski (MSc, 2014). Statistical analysis and visualization of a large-scale test run database in protocol testing.
- Aku Visuri (BSc, 2015): AWARE-WS: a multipurpose science dashboard
- Mikko Korhonen (BSc, 2015): AWARE-WS: a multipurpose science dashboard
- Henri Koski (BSc, 2015): AWARE-WS: a multipurpose science dashboard
- Olli Okkonen (MSc, 2015): RESTful clinical data management system
- Joona Rahko (MSc, 2105): Web client for a RESTful clinical data management system
- Rick Kallio (MSc, 2015): Development process and evaluation of a customer service chat application
- 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**

- Advisory Committee Chair for Shima Rashidi (2018-, University of Melbourne)
- Advisory Committee Chair for Renlord Yang (2018-, University of Melbourne)
- Advisory Committee Chair for Xiaojie Wang (2018-, University of Melbourne)
- Follow-up group chair for Angelos Fylakis (2013-, University of Oulu)
- Follow-up group chair for Arto Heikkinen (2013-, University of Oulu)
- Follow-up group chair for Leena Venta-Olkkonen (PhD graduation in 2017, University of Oulu)
- Follow-up group chair for Anu Pramila (PhD graduation in 2018, University of Oulu)
- Follow-up group chair for Markus Ylimaki (PhD graduation in 2017, University of Oulu)
- Follow-up group chair for Elena Vildjiounaite (PhD graduation in 2016, 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**

- Iqbal Sarker (PhD, 2018, Swinburne University of Technology). Mining Individualized Context-dependent Behavioral Rules from Smartphone Data.
- Mohammad Saiedur Rahaman (PhD, 2018, RMIT). Context-aware Mobility Analytics and trip Planning.
- 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**

- Editorial Board member, IEEE Pervasive Computing (2018-)
- Founding Editor, Proceeding of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (PAMC IMWUT) (2016-)
- Member, UbiComp steering committee (2017-)
- Member, HotPOST steering committee (2017-)
- Associate Editor, Frontiers in Human-Media Interaction (2015-)

### **Event organisation**

- TPC Chair, CHI 2019
- General 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**

- WWW 2018 – The Web Conference
- 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

- Flores, H., Hui, P., Nurmi, P., Lagerspetz, E., Tarkoma, S., Manner, J., Kostakos, V., Li, Y., Su, X. (2018). *Evidence-aware Mobile Computational Offloading*. **IEEE Transactions on Mobile Computing**. <https://doi.org/10.1109/TMC.2017.2777491> [Impact Factor: 3.822] [ERA A\*] [2 citations]
- Bordallo Lopez, M., Hadid, E., Boutellaa, E., Goncalves, J., Kostakos, V., Hosio, S. (2018). *Kinship Verification from Facial Images and Videos: Human vs. Machine*. **Machine Vision and Applications**. [Impact Factor: 2.005] [ERA B]
- Klakegg, S., Goncalves, J., Visuri, A., Luo, C., Popov, A., van Berkel, N., Sarsenbayeva, Z., Kostakos, V., Hosio, S., Savage, S., Bykov, A., Meglinski, I., Ferreira, D. (2018). *Assisted Medication Management in Elderly Care Using Miniaturised Near-Infrared Spectroscopy*. **Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT)**, 2(2), 69:1-69:24. <https://doi.org/10.1145/3214272> [ERA A\*]
- Sarsenbayeva, Z., van Berkel, N., Velloso, E., Kostakos, V., Goncalves, J. (2018). *Effect of Distinct Ambient Noise Types on Mobile Interaction*. **Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT)**, 2(2), 82:1-82:23. <https://doi.org/10.1145/3214285> [ERA A\*]
- Yu, D., Li, Y., Xu, F., Zhang, P., Kostakos, V. (2018). *Smartphone App Usage Prediction Using Points of Interest*. **Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT)**, 1(4), 174:1-174:21. <https://doi.org/10.1145/3161413> [ERA A\*]
- Zhang, Y., Gu, T., Luo, C., Kostakos, V., Seneviratne, A. (2018). *FinDroidHR: Smartwatch Gesture Input with Optical HeartRate Monitor*. **Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT)**, 2(1), 1-42. <https://doi.org/10.1145/3191788> [ERA A\*]
- van Berkel, N., Ferreira, D., Kostakos, V. (2017). *The Experience Sampling Method on Mobile Devices*. **ACM Computing Surveys**, 50(6), 93:1-93:40. <https://doi.org/10.1145/3123988> [Impact Factor: 6.748] [ERA A\*] [1 citations]
- 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: 1.489] [ERA A] [3 citations]
- Hosio, S., Goncalves, J., van Berkel, N., Klakegg, S., Kostakos, V. (2017). *Facilitating Collocated Crowdsourcing on Situated Displays*. **Human-Computer Interaction**. <https://doi.org/10.1080/07370024.2017.1344126> [Impact Factor: 4.667] [ERA A]
- 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> [Impact Factor: 1.153] [13 citations]
- Liu, Y., Mezei, J., Kostakos, V., Li, H. (2017). *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: 4.122] [ERA A\*] [20 citations]
- Komninou, A., Besharat, J., Ferreira, D., Garofalakis, J., Kostakos, V. (2017). *Where's everybody? Comparing the use of heatmaps to uncover cities' tacit social context in smartphones and pervasive displays*. **Information Technology & Tourism**. <https://doi.org/10.1007/s40558-017-0092-5> [ERA C]

- 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**, 29(3), 355-367. <https://doi.org/10.1093/iwc/iww029> [Impact Factor: 1.410] [ERA B] [4 citations]
- Liu, Y., Ferreira, D., Goncalves, J., Hosio, S., Pandab, P., Kostakos, V. (2017). *Donating Context Data to Science: The Effects of Social Signals and Perceptions on Action-Taking*. **Interacting with Computers**, 29(2), 132-146. <https://doi.org/10.1093/iwc/iww013> [Impact Factor: 1.410] [ERA B] [3 citations]
- Kostakos, V., Musolesi, M. (2017). *Avoiding pitfalls when using machine learning in HCI studies*. **Interactions**, 24(4), 34-37. <https://doi.org/10.1145/3085556> [1 citations]
- 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**, 102, 41-53. <https://doi.org/10.1016/j.ijhcs.2016.09.001> [Impact Factor: 2.863] [ERA A] [3 citations]
- Anagnostopoulos, T., Garcia, J. C., Goncalves, J., Ferreira, D., Hosio, S., Kostakos, V. (2017). *Environmental exposure assessment using indoor/outdoor detection on smartphones*. **Personal and Ubiquitous Computing**, 21(4), 761-773. <https://doi.org/10.1007/s00779-017-1028-y> [Impact Factor: 2.395] [ERA B]
- Flores, H., Sharma, R., Ferreira, D., Kostakos, V., Tarkoma, S., Hui, P., Li, Y. (2017). *Social-aware Hybrid Mobile Offloading*. **Pervasive and Mobile Computing**, 36, 25-43. <https://doi.org/10.1016/j.pmcj.2016.09.014> [Impact Factor: 2.349] [ERA B] [9 citations]
- Abowd, G. D., Kostakos, V., Santini, S., Scott, J., Yatani, K. (2017). *Editorial*. **Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT)**, 1(1), 1. <https://doi.org/10.1145/3075960> [7 citations]
- Goncalves, J., Hosio, S., van Berkel, N., Ahmed, F., Kostakos, V. (2017). *CrowdPickUp: Crowdsourcing Task Pickup in the Wild*. **Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT)**, 1(3), 51:1-51:22. <https://doi.org/10.1145/3130916> [ERA A\*]
- Luo, C., Kuutila, M., Klakegg, S., Ferreira, D., Goncalves, J., Mantyla, M., Kostakos, V. (2017). *TestAWARE: A Laboratory-Oriented Testing Tool for Mobile Context-Aware Applications*. **Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT)**, 1(3), Article 80, 80:1-80:29. <https://doi.org/10.1145/3130945> [ERA A\*]
- Sarsenbayeva, Z., van Berkel, N., Visuri, A., Rissanen, S., Rintamaki, H., Kostakos, V., Goncalves, J. (2017). *Sensing Cold-Induced Situational Impairments in Mobile Interaction*. **Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT)**, 1(3), 98:1-98:10. <https://doi.org/10.1145/3130963> [ERA A\*] [2 citations]
- van Berkel, N., Goncalves, J., Hosio, S., Kostakos, V. (2017). *Gamification of Mobile Experience Sampling Improves Data Quality and Quantity*. **Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT)**, 1(3), 107:1-107:21. <https://doi.org/10.1145/3130972> [ERA A\*] [2 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: 2.659] [3 citations]
- 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: 2.819] [ERA A\*] [3 citations]
- 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: 3.250] [ERA A] [9 citations]

- Liu, Y., Li, H., Xu, X., Kostakos, V., Heikkilä, 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: 2.205] [ERA B] [6 citations]
- 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/iwv035> [Impact Factor: 1.410] [ERA B] [2 citations]
- 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: 2.349] [ERA B] [7 citations]
- 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: 2.516] [ERA A] [22 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> [89 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> [3 citations]
- Kostakos, V. (2015). *The big hole in HCI research*. **Interactions**, 22(2), 48-51. <https://doi.org/10.1145/2729103> [17 citations]
- Perttunen, M., Kostakos, V., Riekkilä, 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: 2.395] [ERA B] [11 citations]
- Liu, Y., Kostakos, V., Li, H. (2015). *Climatic Effects on Planning Behavior*. **PLoS ONE**, 10(5), e0126205. <https://doi.org/10.1371/journal.pone.0126205> [Impact Factor: 2.806] [3 citations]
- Goncalves, J., Liu, Y., Xiao, B., Chaundhry, S., Hosio, S., Kostakos, V. (2015). *Increasing the Reach of Government Social Media: A Case Study in Modeling Government-Citizen Interaction on Facebook*. **Policy & Internet**, 7(1), 80-102. <https://doi.org/10.1002/poi3.81> [10 citations]
- Hosio, S., Goncalves, J., Kostakos, V., Riekkilä, J. (2015). *Crowdsourcing Public Opinion using Urban Pervasive Technologies: Lessons from Real-Life Experiments in Oulu*. **Policy & Internet**, 7(2), 203-222. <https://doi.org/10.1002/poi3.90> [32 citations]
- Liu, Y., Venkatanathan, J., Goncalves, J., Karapanos, E., Kostakos, V. (2014). *Modeling what friendship patterns on Facebook reveal about personality and social capital*. **ACM Transactions on Computer-Human Interaction**, 21(3), 17:1-17:20. <https://doi.org/10.1145/2617572> [Impact Factor: 2.227] [ERA A\*] [12 citations]
- Perttunen, M., Kostakos, V., Riekkilä, J., Ojala, T. (2014). *Spatio-temporal patterns link your digital identities*. **Computers, Environment and Urban Systems**, 47, 58-67. <https://doi.org/10.1016/j.compenvurbsys.2013.12.004> [Impact Factor: 2.659] [51 citations]
- Goncalves, J., Hosio, S., Liu, Y., Kostakos, V. (2014). *Eliciting Situated Feedback: A Comparison of Paper, Web Forms and Public Displays*. **Displays**, 35(1), 27-37. <https://doi.org/10.1016/j.displa.2013.12.002> [Impact Factor: 1.526] [ERA B] [18 citations]
- Liu, Y., Li, H., Kostakos, V., Goncalves, J., Hosio, S., Hu, F. (2014). *An Empirical Investigation of Mobile Government Adoption in Rural China: A Case Study in Zhejiang Province*. **Government Information Quarterly**, 31(3), 432-442. <https://doi.org/10.1016/j.giq.2014.02.008> [Impact Factor: 4.090] [ERA B] [62 citations]
- Goncalves, J., Kostakos, V., Karapanos, E., Barreto, M., Camacho, T., Tomasic, A., Zimmerman, J. (2014). *Citizen Motivation on the Go: The Role of Psychological Empowerment*. **Interacting with Computers**, 26(3), 196-207. <https://doi.org/10.1093/iwc/iwt035> [Impact Factor: 1.410] [ERA B] [32 citations]

- Venkatanathan, J., Kostakos, V., Karapanos, E., Goncalves, J. (2014). *Online Disclosure of Personally Identifiable Information with Strangers: Effects of Public and Private Sharing*. **Interacting with Computers**, 26(6), 614-626. <https://doi.org/10.1093/iwc/iwt058> [Impact Factor: 1.410] [ERA B] [8 citations]
- Katsanos, C., Tselios, N., Goncalves, J., Juntunen, T., Kostakos, V. (2014). *Multipurpose Public Displays: Can Automated Grouping of Applications and Services Enhance User Experience?* **International Journal of Human-Computer Interaction**, 30(3), 237-249. <https://doi.org/10.1080/10447318.2013.849547> [Impact Factor: 1.118] [ERA B] [3 citations]
- Kukka, H., Luusua, A., Ylipulli, J., Suopajarvi, T., Kostakos, V., Ojala, T. (2014). *From cyberpunk to calm urban computing: Exploring the role of technology in the future cityscape*. **Technological Forecasting & Social Change**, 84, 29-42. <https://doi.org/10.1016/j.techfore.2013.07.015> [Impact Factor: 2.625] [27 citations]
- Ylipulli, J., Suopajarvi, T., Ojala, T., Kostakos, V., Kukka, H. (2014). *Municipal WiFi and interactive displays: Appropriation of new technologies in public urban spaces*. **Technological Forecasting & Social Change**, 89, 145-160. <https://doi.org/10.1016/j.techfore.2013.08.037> [Impact Factor: 2.625] [43 citations]
- Rogstadius, J., Teixeira, C., Vukovic, M., Kostakos, V., Karapanos, E., Laredo, J. (2013). *CrisisTracker: Crowdsourced Social Media Curation for Disaster Awareness*. **IBM Journal of Research and Development**, 57(5), 4 1-4 13. <https://doi.org/10.1147/JRD.2013.2260692> [Impact Factor: 1.083] [ERA A] [111 citations]
- Kostakos, V., Kukka, H., Goncalves, J., Tselios, N., Ojala, T. (2013). *Multipurpose public displays: How shortcut menus affect usage*. **IEEE Computer Graphics and Applications**, 33(2), 50-57. <https://doi.org/10.1109/MCG.2012.125> [Impact Factor: 1.987] [ERA B] [20 citations]
- Kostakos, V., Ojala, T., Juntunen, T. (2013). *Traffic in the Smart City: Exploring City-Wide Sensing for Traffic Control Center Augmentation*. **IEEE Internet Computing**, 17(6), 22-29. <https://doi.org/10.1109/MIC.2013.83> [Impact Factor: 1.400] [ERA B] [37 citations]
- Kostakos, V., Ojala, T. (2013). *Public Displays Invade Urban Spaces*. **IEEE Pervasive Computing**, 12(1), 8-13. <https://doi.org/10.1109/MPRV.2013.15> [Impact Factor: 3.250] [ERA A] [47 citations]
- Kostakos, V., Musolesi, M. (2013). *Introduction to the special issue on social networks and ubiquitous interactions*. **International Journal of Human-Computer Studies**, 71(9), 859-861. <https://doi.org/10.1016/j.ijhcs.2013.04.002> [Impact Factor: 2.863] [ERA A]
- Kostakos, V., Camacho, T., Mantero, C. (2013). *Towards proximity-based passenger sensing on public transport buses*. **Personal and Ubiquitous Computing**, 17(8), 1807-1816. <https://doi.org/10.1007/s00779-013-0652-4> [Impact Factor: 2.395] [ERA B] [14 citations]
- Kukka, H., Kostakos, V., Ojala, T., Ylipulli, J., Suopajarvi, T., Jurmu, M., Hosio, S. (2013). *This is not classified: everyday information seeking and encountering in smart urban spaces*. **Personal and Ubiquitous Computing**, 17(1), 15-27. <https://doi.org/10.1007/s00779-011-0474-1> [Impact Factor: 2.395] [ERA B] [50 citations]
- Kostakos, V., Juntunen, T., Goncalves, J., Hosio, S., Ojala, T. (2013). *Where Am I? Location Archetype Keyword Extraction from Urban Mobility Patterns*. **PLoS ONE**, 8(5), e63980. <https://doi.org/10.1371/journal.pone.0063980> [Impact Factor: 2.806] [11 citations]
- Kostakos, V. (2012). *Training users vs. training soldiers: experiences from the battlefield*. **Communications of the ACM**, 55(3), 33-35. <https://doi.org/10.1145/2093548.2093562> [Impact Factor: 4.027] [1 citations]
- Ojala, T., Kostakos, V., Kukka, H., Heikkinen, T., Linden, T., Jurmu, M., Hosio, S., Kruger, F., Zanni, D. (2012). *Multipurpose Interactive Public Displays in the Wild: Three Years Later*. **Computer**, 45(5), 42-49. <https://doi.org/10.1109/MC.2012.115> [Impact Factor: 1.755] [ERA B] [156 citations]
- Lyra, O., Karapanos, E., Kostakos, V. (2012). *Measuring social inclusion in primary schools*. **IEEE Pervasive Computing**, 11(3), 43-45. <https://doi.org/10.1109/MPRV.2012.45> [Impact Factor: 3.250] [ERA A]

- Ferreira, D., Kostakos, V., Dey, A. K. (2012). *Lessons Learned from Large-Scale User Studies: Using Android Market as a Source of Data*. **International Journal of Mobile Human Computer Interaction**, 4(3), 28-43. <https://doi.org/10.4018/jmhci.2012070102> [Impact Factor: 1.131] [36 citations]
- Kostakos, V. (2011). *The challenges and opportunities of designing pervasive systems for deep-space colonies*. **Personal and Ubiquitous Computing**, 15(5), 479-486. <https://doi.org/10.1007/s00779-010-0317-5> [Impact Factor: 2.395] [ERA B] [2 citations]
- Kostakos, V., O'Neill, E., Penn, A., Roussos, G., Papadongonas, D. (2010). *Brief encounters: Sensing, modeling and visualizing urban mobility and copresence networks*. **ACM Transactions on Computer-Human Interaction**, 17(1), 2:1-2:38. <https://doi.org/10.1145/1721831.1721833> [Impact Factor: 2.227] [ERA A\*] [66 citations]
- Kostakos, V., Kostakos, P. (2010). *Inferring social networks from physical interactions: a feasibility study*. **International Journal of Pervasive Computing and Communications**, 6(4), 423-431. <https://doi.org/10.1108/17427371011097622> [ERA C] [3 citations]
- Kostakos, V., Nicolai, T., Yoneki, E., O'Neill, E., Kenn, H., Crowcroft, J. (2009). *Understanding and measuring the urban pervasive infrastructure*. **Personal and Ubiquitous Computing**, 13(5), 355-364. <https://doi.org/10.1007/s00779-008-0196-1> [Impact Factor: 2.395] [ERA B] [53 citations]
- Roussos, G., Kostakos, V. (2009). *RFID in Pervasive Computing: State-of-the-art and Outlook*. **Pervasive and Mobile Computing**, 5(1), 110-131. <https://doi.org/10.1016/j.pmcj.2008.11.004> [Impact Factor: 2.349] [ERA B] [145 citations]
- Kostakos, V. (2009). *Temporal graphs*. **Physica A: Statistical Mechanics and its Applications**, 388(6), 1007-1023. <https://doi.org/10.1016/j.physa.2008.11.021> [Impact Factor: 2.243] [230 citations]
- Kostakos, V., Kostakos, P. (2007). *Social network analysis: Real world methodological challenges*. **ESRC Standing Group on Organised Crime Newsletter**, 6(1), 7-9.
- Kostakos, V., O'Neill, E., Penn, A. (2006). *Designing urban pervasive systems*. **Computer**, 39(9), 52-59. <https://doi.org/10.1109/MC.2006.303> [Impact Factor: 1.755] [ERA B] [66 citations]
- Kostakos, V., Kostakos, P. (2006). *Criminal group behaviour and operational environments*. **ESRC Standing Group on Organised Crime Newsletter**, 5(2), 6-7. [ERA A]
- O'Neill, E., Kaenampornpan, M., Kostakos, V., Warr, A., Woodgate, D. (2006). *Can we do without GUIs? Gesture and speech interaction with a patient information system*. **Personal and Ubiquitous Computing**, 10(5), 269-283. <https://doi.org/10.1007/s00779-005-0048-1> [Impact Factor: 2.395] [ERA B] [32 citations]
- Kostakos, V., O'Neill, E., Little, L., Sillence, E. (2005). *The social implications of emerging technologies*. **Interacting with Computers**, 17(5), 475-483. <https://doi.org/10.1016/j.intcom.2005.03.001> [Impact Factor: 1.410] [ERA B] [33 citations]

## Edited books

- Ojala, T., Kostakos, V., Muller, J., Memarovic, N. (2016). *PerDis '16: Proceedings of the 5th ACM International Symposium on Pervasive Displays*. New York, NY, USA: ACM. ISBN: 978-1-4503-4366-4

## Book chapters

- Flores, H., Kostakos, V., Tarkoma, S., Hui, P., Li, Y. (2018). *Evidence-Aware Mobile Cloud Architectures*. In G. Skourletopoulos, G. Mastorakis, C. X. Mavromoustakis, C. Dobre, & E. Pallis (Eds.), **Mobile Big Data: A Roadmap from Models to Technologies** (pp. 65-84): Springer International Publishing. [https://doi.org/10.1007/978-3-319-67925-9\\_4](https://doi.org/10.1007/978-3-319-67925-9_4)
- Ferreira, D., Kostakos, V., Schweizer, I. (2017). *Human Sensors on the Move*. In V. Loreto, M. Haklay, A. Hotho, V. C. P. Servedio, G. Stumme, J. Theunis, & F. Tria (Eds.), **Participatory Sensing, Opinions and Collective Awareness** (pp. 9-19): Springer International Publishing. [https://doi.org/10.1007/978-3-319-25658-0\\_1](https://doi.org/10.1007/978-3-319-25658-0_1) [3 citations]
- Gautama, S., Atzmueller, M., Kostakos, V., Gillis, D., Hosio, S. (2017). *Observing Human Activity Through Sensing*. In V. Loreto, M. Haklay, A. Hotho, V. C. P. Servedio, G. Stumme, J. Theunis, & F. Tria (Eds.), **Participatory Sensing, Opinions and Collective Awareness** (pp. 47-68): Springer International Publishing. [https://doi.org/10.1007/978-3-319-25658-0\\_3](https://doi.org/10.1007/978-3-319-25658-0_3) [1 citations]
- Kostakos, V., Rogstadius, J., Ferreira, D., Hosio, S., Goncalves, J. (2017). *Human Sensors*. In V. Loreto, M. Haklay, A. Hotho, V. C. P. Servedio, G. Stumme, J. Theunis, & F. Tria (Eds.), **Participatory Sensing, Opinions and Collective Awareness** (pp. 69-92): Springer International Publishing. [https://doi.org/10.1007/978-3-319-25658-0\\_4](https://doi.org/10.1007/978-3-319-25658-0_4) [5 citations]
- Hosio, S., Goncalves, J., Kostakos, V., Riekkii, J. (2014). *Exploring Civic Engagement on Public Displays*. In S. Saeed (Ed.), **User-Centric Technology Design for Nonprofit and Civic Engagements** (pp. 91-111): Springer International Publishing. [https://doi.org/10.1007/978-3-319-05963-1\\_7](https://doi.org/10.1007/978-3-319-05963-1_7) [24 citations]
- Faria, S., Kostakos, V. (2012). *A scalable sensor middleware for social end-user programming*. In T. Lovett & E. O'Neill (Eds.), **Mobile Context Awareness** (pp. 115-131): Springer. [https://doi.org/10.1007/978-0-85729-625-2\\_7](https://doi.org/10.1007/978-0-85729-625-2_7) [4 citations]
- Kostakos, V. (2010). *Space syntax and pervasive systems*. In B. Jiang & X. A. Yao (Eds.), **Geospatial Analysis and Modelling of Urban Structure and Dynamics** (pp. 31-52): Springer. [https://doi.org/10.1007/978-90-481-8572-6\\_3](https://doi.org/10.1007/978-90-481-8572-6_3) [30 citations]
- Schieck, A. F., Kostakos, V., Penn, A. (2010). *Exploring Digital Encounters in the Public Arena*. In K. Willis, G. Roussos, M. Chorianopoulos, & M. Struppek (Eds.), **Shared Encounters** (pp. 179-195): Springer. [https://doi.org/10.1007/978-1-84882-727-1\\_9](https://doi.org/10.1007/978-1-84882-727-1_9) [10 citations]
- Kostakos, V., O'Neill, E. (2008). *Cityware: Urban computing to bridge online and real-world social networks*. In M. Foth (Ed.), **Handbook of research on urban informatics: The practice and promise of the real-time city** (pp. 195-204): IGI Global. <https://doi.org/10.4018/978-1-60566-152-0.ch013> [59 citations]
- Kostakos, V., O'Neill, E. (2006). *Interacting with mobile and pervasive computer systems*. In I. K. Ibrahim (Ed.), **Handbook of Research on Mobile Multimedia** (pp. 71-85): IGI Global. <https://doi.org/10.4018/978-1-59140-866-6.ch006> [1 citations]

## Conference papers

- Flores, H., Hui, P., Tarkoma, S., Li, Y., Anagnostopoulos, T., Kostakos, V., Luo, C., Su, X. (2018). *SensorClone: A Framework for Harnessing Smart Devices with Virtual Sensors*. In **ACM Multimedia Systems Conference (MMSys)**.
- van Berkel, N., Hosio, S., Goncalves, J., Kostakos, V. (2018). *Informed Diet Selection: Increasing Food Literacy through Crowdsourcing*. In **ACM SIGCHI Conference on Human Factors in Computing Systems 2018 Extended Abstracts (CHI EA)**, 1-2.

- Hosio, S., Karppinen, J., Takala, E.-P., Takatalo, J., Goncalves, J., van Berkel, N., Konomi, S. i., Kostakos, V. (2018). *Crowdsourcing Treatments for Low Back Pain*. In **Conference on Human Factors in Computing Systems (CHI)**, 1-12. <https://doi.org/10.1145/3173574.3173850> [Acceptance rate: 26%] [CORE A\*] [1 citations]
- Goncalves, J., Feldman, M., Hu, S., Kostakos, V., Bernstein, A. (2017). *Task Routing and Assignment in Crowdsourcing based on Cognitive Abilities*. In **26th International World Wide Web Conference (WWW)**, 1023-1031. <https://doi.org/10.1145/3041021.3055128> [CORE A\*] [1 citations]
- Visuri, A., van Berkel, N., Luo, C., Goncalves, J., Ferreira, D., Kostakos, V. (2017). *Challenges of Quantified--Self: Encouraging Self--Reported Data Logging During Recurrent Smartphone Usage*. In **31st British Human Computer Interaction Conference (BCS-HCI)**, 1-7. <https://doi.org/10.14236/ewic/HCI2017.81> [CORE National]
- Sarsenbayeva, Z., van Berkel, N., Luo, C., Kostakos, V., Goncalves, J. (2017). *Challenges of Situational Impairments during Interaction with Mobile Devices*. In **Australian Conference on Human-Computer Interaction (OzCHI)**, 477-481. <https://doi.org/10.1145/3152771.3156161> [Acceptance rate: 46%, Best Paper Award] [2 citations]
- Visuri, A., Sarsenbayeva, Z., van Berkel, N., Goncalves, J., Rawassizadeh, R., Kostakos, V., Ferreira, D. (2017). *Quantifying Sources and Types of Smartwatch Usage Sessions*. In **Conference on Human Factors in Computing Systems (CHI)**, 3569-3581. <https://doi.org/10.1145/3025453.3025817> [Acceptance rate: 25%] [CORE A\*] [8 citations]
- Klakegg, S., Goncalves, J., van Berkel, N., Luo, C., Hosio, S., Kostakos, V. (2017). *Towards Commoditised Near Infrared Spectroscopy*. In **Designing Interactive Systems (DIS)**, 515-527. <https://doi.org/10.1145/3064663.3064738> [Acceptance rate: 24%] [CORE B] [2 citations]
- Georgiev, G., Yamada, K., Taura, T., Kostakos, V., Pouke, M., Tzvetanova Yung, S., Ojala, T. (2017). *Augmenting Creative Design Thinking using Networks of Concepts*. In **IEEE Virtual Reality (VR)**, 243-244. <https://doi.org/10.1109/VR.2017.7892267> [CORE B]
- Flores, H., Su, X., Kostakos, V., Riekkii, J., Lagerspetz, E., Tarkoma, S., Hui, P., Li, Y., Manner, J. (2017). *Modeling Mobile Code Acceleration in the Cloud*. In **International Conference on Distributed Computing Systems (ICDCS)**, 480-491. <https://doi.org/10.1109/ICDCS.2017.242> [Acceptance rate: 17%] [CORE A] [2 citations]
- Visuri, A., van Berkel, N., Luo, C., Goncalves, J., Ferreira, D., Kostakos, V. (2017). *Predicting Interruptibility for Manual Data Collection: A Cluster-Based User Model*. In **International Conference on Human-Computer Interaction with Mobile Devices and Services (MobileHCI)**, 12:1-14:14. <https://doi.org/10.1145/3098279.3098532> [CORE B] [1 citations]
- Flores, H., Su, X., Kostakos, V., Ding, A. Y., Nurmi, P., Tarkoma, S., Hui, P., Li, Y. (2017). *Large-scale Offloading in the Internet of Things*. In **International Conference on Pervasive Computing and Communications Workshops (PerCom WS)**, 479-484. <https://doi.org/10.1109/PERCOMW.2017.7917610> [4 citations]
- Luo, C., Koski, H., Korhonen, M., Goncalves, J., Anagnostopoulos, T., Konomi, S., Klakegg, S., Kostakos, V. (2017). *Rapid Clock Synchronisation for Ubiquitous Sensing Services Involving Multiple Smartphones*. In **International Joint Conference on Pervasive and Ubiquitous Computing Adjunct (UbiComp Adjunct)**, 476-481. <https://doi.org/10.1145/3123024.3124432>
- Sarsenbayeva, Z., Ferreira, D., van Berkel, N., Luo, C., Vaisanen, M., Kostakos, V., Goncalves, J. (2017). *Vision-Based Happiness Inference: A Feasibility Case-Study*. In **International Joint Conference on Pervasive and Ubiquitous Computing Adjunct (UbiComp Adjunct)**, 494-499. <https://doi.org/10.1145/3123024.3124438>
- Visuri, A., Ferreira, D., Pirttikangas, S., Kostakos, V., Synnes, K., Lindqvist, J., Nishiyama, Y. (2017). *UbiMI'17: ubiquitous mobile instrumentation*. In **International Joint Conference on Pervasive and Ubiquitous Computing Adjunct (UbiComp Adjunct)**, ACM, 448-451. <https://doi.org/10.1145/3123024.3124454>

- Zhu, Z., Visuri, A., Lehmann, M., Konomi, S., Kostakos, V. (2017). *Smartphone detection of collapsed buildings during earthquakes*. In **International Joint Conference on Pervasive and Ubiquitous Computing Adjunct (UbiComp Adjunct)**, 557-562. <https://doi.org/10.1145/3123024.3124402>
- Hosio, S., Goncalves, J., Anagnostopoulos, T., Kostakos, V. (2016). *Leveraging Wisdom of the Crowd for Decision Support*. In **British Human Computer Interaction Conference (BCS-HCI)**, 1-12. <https://doi.org/10.14236/ewic/HCI2016.38> [CORE National] [8 citations]
- van Berkel, N., Hosio, S., Durkee, T., Carli, V., Wasserman, D., Kostakos, V. (2016). *Providing Patient Context to Mental Health Professionals Using Mobile Applications*. In **CHI workshop on Computing and Mental Health (CHI Adjunct)**, 1-4. <https://doi.org/10.13140/RG.2.1.3793.1923> [1 citations]
- Goncalves, J., Kukka, H., Sánchez, I., Kostakos, V. (2016). *Crowdsourcing Queue Estimations in Situ*. In **Conference on Computer-Supported Cooperative Work and Social Computing (CSCW)**, 1040-1051. <https://doi.org/10.1145/2818048.2819997> [Acceptance rate: 25%] [CORE A] [8 citations]
- Hosio, S., Ferreira, D., Goncalves, J., van Berkel, N., Luo, C., Ahmed, M., Flores, H., Kostakos, V. (2016). *Monetary Assessment of Battery Life on Smartphones*. In **Conference on Human Factors in Computing Systems (CHI)**, 1869-1880. <https://doi.org/10.1145/2858036.2858285> [Acceptance rate: 23%] [CORE A\*] [14 citations]
- van Berkel, N., Luo, C., Anagnostopoulos, T., Ferreira, D., Goncalves, J., Hosio, S., Kostakos, V. (2016). *A Systematic Assessment of Smartphone Usage Gaps*. In **Conference on Human Factors in Computing Systems (CHI)**, 4711-4721. <https://doi.org/10.1145/2858036.2858348> [Acceptance rate: 23%] [CORE A\*] [22 citations]
- Williamson, J., Williamson, J., Kostakos, V., Hamilton, K., Green, J. (2016). *Mobile Phone Usage Cycles: A Torus Topology for Spherical Visualisation*. In **Conference on Human Factors in Computing Systems Adjunct (CHI Adjunct)**, 2751-2757. <https://doi.org/10.1145/2851581.2892402> [Acceptance rate: 43%]
- Ferreira, D., Schuss, C., Luo, C., Goncalves, J., Kostakos, V., Rahkonen, T. (2016). *Indoor Light Scavenging on Smartphones*. In **International Conference on Mobile and Ubiquitous Multimedia (MUM)**, 369-372. <https://doi.org/10.1145/3012709.3017603> [CORE B] [2 citations]
- Kostakos, V., Ferreira, D., Goncalves, J., Hosio, S. (2016). *Modelling Smartphone Usage: A Markov State Transition Model*. In **International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp)**, 486-497. <https://doi.org/10.1145/2971648.2971669> [Acceptance rate: 24%] [CORE A\*] [9 citations]
- Luo, C., Fylakis, A., Partala, J., Klakegg, S., Goncalves, J., Liang, K., Seppänen, T., Kostakos, V. (2016). *A Data Hiding Approach for Sensitive Smartphone Data*. In **International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp)**, 457-468. <https://doi.org/10.1145/2971648.2971686> [Acceptance rate: 24%] [CORE A\*] [4 citations]
- Sarsenbayeva, Z., Goncalves, J., García, J., Klakegg, S., Rissanen, S., Rintamäki, H., Hannu, J., Kostakos, V. (2016). *Situational Impairments to Mobile Interaction in Cold Environments*. In **International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp)**, 85-96. <https://doi.org/10.1145/2971648.2971734> [Acceptance rate: 24%] [CORE A\*] [9 citations]
- Flores, H., Ferreira, D., Luo, C., Kostakos, V., Hui, P., Sharma, R., Tarkoma, S., Li, Y. (2016). *Social-aware Device-to-Device Communication: A Contribution for Edge and Fog Computing?* In **International Joint Conference on Pervasive and Ubiquitous Computing Adjunct (UbiComp Adjunct)**, 1466-1471. <https://doi.org/10.1145/2968219.2968589> [3 citations]
- Klakegg, S., Luo, C., Goncalves, J., Hosio, S., Kostakos, V. (2016). *Instrumenting Smartphones with Portable NIRS*. In **International Joint Conference on Pervasive and Ubiquitous Computing Adjunct (UbiComp Adjunct)**, 618-623. <https://doi.org/10.1145/2968219.2971590> [4 citations]

- Luo, C., Kuutila, M., Klakegg, S., Ferreira, D., Flores, H., Goncalves, J., Kostakos, V., Mäntylä, M. (2016). *How to Validate Mobile Crowdsourcing Design? Leveraging Data Integration in Prototype Testing*. In **International Joint Conference on Pervasive and Ubiquitous Computing Adjunct (UbiComp Adjunct)**, 1448-1453. <https://doi.org/10.1145/2968219.2968586> [1 citations]
- van Berkel, N., Kopytin, S., Hosio, S., Malmberg, J., Järvenoja, H., Kostakos, V. (2016). *Measuring Group Dynamics in an Elementary School Setting Using Mobile Devices*. In **International Joint Conference on Pervasive and Ubiquitous Computing Adjunct (UbiComp Adjunct)**, 652-656. <https://doi.org/10.1145/2968219.2971596> [2 citations]
- Hosio, S., Harper, R., O'Hara, K., Goncalves, J., Kostakos, V. (2015). *Life through the Lens: A Qualitative Investigation of Human Behaviour with an Urban Photography Service*. In **British Human Computer Interaction Conference (BCS-HCI)**, 157-164. <https://doi.org/10.1145/2783446.2783577> [Acceptance rate: 45%, Best Full Paper Award] [CORE National] [6 citations]
- Kostakos, V., Ferreira, D., Pandab, P. (2015). *Not what, but HOW to study in HCI: tools, data, theory*. In **CHI workshop on What to Study in HCI**, 1-4. <https://doi.org/10.13140/RG.2.1.2568.9764>
- Ferreira, D., Kostakos, V., Beresford, A. R., Lindqvist, J., Dey, A. K. (2015). *Securacy: An Empirical Investigation of Android Applications' Network Usage, Privacy and Security*. In **Conference on Security and Privacy in Wireless and Mobile Networks (WiSec)**, 11 1-11 11. <https://doi.org/10.1145/2766498.2766506> [Acceptance rate: 19%] [30 citations]
- Jones, S. L., Ferreira, D., Hosio, S., Goncalves, J., Kostakos, V. (2015). *Revisitation Analysis of Smartphone App Use*. In **International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp)**, 1197-1208. <https://doi.org/10.1145/2750858.2807542> [Acceptance rate: 24%] [CORE A\*] [22 citations]
- Goncalves, J., Hosio, S., Ferreira, D., Anagnostopoulos, T., Kostakos, V. (2015). *Bazaar: A situated crowdsourcing market*. In **International Joint Conference on Pervasive and Ubiquitous Computing Adjunct (UbiComp Adjunct)**, 1385-1390. <https://doi.org/10.1145/2800835.2800974> [3 citations]
- Goncalves, J., Hosio, S., Kostakos, V., Vukovic, M., Konomi, S. (2015). *Workshop on Mobile and Situated Crowdsourcing*. In **International Joint Conference on Pervasive and Ubiquitous Computing Adjunct (UbiComp Adjunct)**, 1339-1342. <https://doi.org/10.1145/2800835.2800966> [2 citations]
- van Berkel, N., Luo, C., Ferreira, D., Goncalves, J., Kostakos, V. (2015). *The Curse of Quantified-Self: An Endless Quest for Answers*. In **International Joint Conference on Pervasive and Ubiquitous Computing Adjunct (UbiComp Adjunct)**, 973-978. <https://doi.org/10.1145/2800835.2800946> [12 citations]
- Konomi, S., Kostakos, V., Sezaki, K., Shibasaki, R. (2015). *Crowd Sensing for Disaster Response and Preparedness*. In **National Convention of the Information Processing Society of Japan**, 4 449-4 450. <https://doi.org/10.13140/RG.2.1.2684.0403> [4 citations]
- Liu, Y., Goncalves, J., Ferreira, D., Xiao, B., Hosio, S., Kostakos, V. (2014). *CHI 1994-2013: Mapping two decades of intellectual progress through co-word analysis*. In **Conference on Human Factors in Computing Systems (CHI)**, 3553-3562. <https://doi.org/10.1145/2556288.2556969> [Acceptance rate: 23%, SIGCHI Best of CHI Honorable Mention Award & Best Talk Award] [CORE A\*] [65 citations]
- Goncalves, J., Hosio, S., Ferreira, D., Kostakos, V. (2014). *Game of Words: Tagging Places through Crowdsourcing on Public Displays*. In **Designing Interactive Systems (DIS)**, 705-714. <https://doi.org/10.1145/2598510.2598514> [Acceptance rate: 26%] [CORE B] [40 citations]
- Ferreira, D., Goncalves, J., Kostakos, V., Barkhuus, L., Dey, A. K. (2014). *Contextual Experience Sampling of Mobile Application Micro-Usage*. In **International Conference on Human-Computer Interaction with Mobile Devices and Services (MobileHCI)**, 91-100. <https://doi.org/10.1145/2628363.2628367> [Acceptance rate: 21%] [CORE B] [68 citations]

- Van den Broucke, K., Ferreira, D., Goncalves, J., Kostakos, V., De Moor, K. (2014). *Mobile Cloud Storage: A Contextual Experience*. In **International Conference on Human-Computer Interaction with Mobile Devices and Services (MobileHCI)**, 101-110. <https://doi.org/10.1145/2628363.2628386> [Acceptance rate: 21%] [CORE B] [13 citations]
- Goncalves, J., Pandab, P., Ferreira, D., Ghahramani, M., Zhao, G., Kostakos, V. (2014). *Projective Testing of Diurnal Collective Emotion*. In **International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp)**, 487-497. <https://doi.org/10.1145/2632048.2636067> [Acceptance rate: 21%] [CORE A\*] [21 citations]
- Jiang, W., Ferreira, D., Ylioja, J., Goncalves, J., Kostakos, V. (2014). *Pulse: Low bitrate wireless magnetic communication for smartphones*. In **International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp)**, 261-265. <https://doi.org/10.1145/2632048.2632094> [Acceptance rate: 21%] [CORE A\*] [10 citations]
- Liu, Y., Goncalves, J., Ferreira, D., Hosio, S., Kostakos, V. (2014). *Identity Crisis of UbiComp? Mapping 15 Years of the Field's Development and Paradigm Change*. In **International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp)**, 75-86. <https://doi.org/10.1145/2632048.2632086> [Acceptance rate: 21%] [CORE A\*] [19 citations]
- Heikkinen, T., Goncalves, J., Kostakos, V., Elhart, I., Ojala, T. (2014). *Tandem Browsing Toolkit: Distributed Multi-Display Interfaces with Web Technologies*. In **International Symposium on Pervasive Displays (PerDis)**, 142-147. <https://doi.org/10.1145/2611009.2611026> [12 citations]
- Hosio, S., Goncalves, J., Lehdonvirta, V., Ferreira, D., Kostakos, V. (2014). *Situated Crowdsourcing Using a Market Model*. In **User Interface Software and Technology (UIST)**, 55-64. <https://doi.org/10.1145/2642918.2647362> [Acceptance rate: 22%] [CORE A] [41 citations]
- Kukka, H., Oja, H., Kostakos, V., Goncalves, J., Ojala, T. (2013). *What makes you click: exploring visual signals to entice interaction on public displays*. In **Conference on Human Factors in Computing Systems (CHI)**, 1699-1708. <https://doi.org/10.1145/2470654.2466225> [Acceptance rate: 20%] [CORE A\*] [75 citations]
- Rautiainen, M., Sarvanko, J., Heikkinen, A., Ylianttila, M., Kostakos, V. (2013). *An online system with end-user services: mining novelty concepts from tv broadcast subtitles*. In **Conference on Knowledge Discovery and Data Mining (KDD)**, 1486-1489. <https://doi.org/10.1145/2487575.2487715> [CORE A]
- Rautiainen, M., Heikkinen, A., Sarvanko, J., Chorianopoulos, K., Kostakos, V., Ylianttila, M. (2013). *Time shifting patterns in browsing and search behavior for catch-up TV on the web*. In **European conference on Interactive TV and video (EuroITV)**, 117-120. <https://doi.org/10.1145/2465958.2465965> [Acceptance rate: 36%] [2 citations]
- Rautiainen, M., Heikkinen, A., Sarvanko, J., Kostakos, V., Ylianttila, M. (2013). *Kuukkeli-TV: Online content-based services and applications for broadcast TV with long-term user experiments*. In **ICMEW workshop on Broadcast and User-generated Content Recognition and Analysis (BRUREC)**, 1-8. <https://doi.org/10.1109/ICMEW.2013.6618358> [2 citations]
- Goncalves, J., Kostakos, V., Hosio, S., Karapanos, E., Lyra, O. (2013). *IncluCity: Using Contextual Cues to Raise Awareness on Environmental Accessibility*. In **International ACM SIGACCESS Conference on Computers and Accessibility (ASSETS)**, 17:1-17:8. <https://doi.org/10.1145/2513383.2517030> [Acceptance rate: 29%] [21 citations]
- Goncalves, J., Kostakos, V., Venkatanathan, J. (2013). *Narrowcasting in Social Media: Effects and Perceptions*. In **International Conference on Advances in Social Network Analysis and Mining (ASONAM)**, 502-509. <https://doi.org/10.1145/2492517.2492570> [Acceptance rate: 13%] [CORE C] [11 citations]
- Venkatanathan, J., Karapanos, E., Kostakos, V., Goncalves, J. (2013). *A Network Science Approach to Modelling and Predicting Empathy*. In **International Conference on Advances in Social Network Analysis and Mining (ASONAM)**, 1395-1400. <https://doi.org/10.1145/2492517.2500295> [5 citations]

- Liu, Y., Kostakos, V., Deng, S. (2013). *Risks of Using NFC Mobile Payment: Investigating the Moderating Effect of Demographic Attributes*. In **International Conference on Electronic Commerce (ICEC)**, 125-134. <https://doi.org/10.5281/zenodo.1109696> [CORE C] [9 citations]
- Rogstadius, J., Teixeira, C., Karapanos, E., Kostakos, V. (2013). *An Introduction for System Developers to Volunteer Roles in Crisis Response and Recovery*. In **International Conference on Information Systems for Crisis Response and Management (ISCRAM)**, 874-883. <https://doi.org/10.13140/RG.2.1.4141.8405> [CORE C] [7 citations]
- Ferreira, D., Ferreira, E., Goncalves, J., Kostakos, V., Dey, A. K. (2013). *Revisiting Human-Battery Interaction with an Interactive Battery Interface*. In **International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp)**, 563-572. <https://doi.org/10.1145/2493432.2493465> [Acceptance rate: 23%] [CORE A\*] [49 citations]
- Goncalves, J., Ferreira, D., Hosio, S., Liu, Y., Rogstadius, J., Kukka, H., Kostakos, V. (2013). *Crowdsourcing on the spot: altruistic use of public displays, feasibility, performance, and behaviours*. In **International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp)**, 753-762. <https://doi.org/10.1145/2493432.2493481> [Acceptance rate: 23%] [CORE A\*] [59 citations]
- Ferreira, D., Koehler, C., Karapanos, E., Kostakos, V. (2013). *Ubiquitous mobile instrumentation*. In **International Joint Conference on Pervasive and Ubiquitous Computing Adjunct (UbiComp Adjunct)**, 1409-1412. <https://doi.org/10.1145/2494091.2496043> [3 citations]
- Hosio, S., Goncalves, J., Kostakos, V., Cheverst, K., Rogers, Y. (2013). *Human interfaces for civic and urban engagement: HiCUE '13*. In **International Joint Conference on Pervasive and Ubiquitous Computing Adjunct (UbiComp Adjunct)**, 713-720. <https://doi.org/10.1145/2494091.2495993> [8 citations]
- Memarovic, N., Kostakos, V., Fitzpatrick, G., Schmidt, A. (2013). *SOFTEc 2013: second workshop on computer mediated social offline interactions*. In **International Joint Conference on Pervasive and Ubiquitous Computing Adjunct (UbiComp Adjunct)**, 1373-1380. <https://doi.org/10.1145/2494091.2497358> [4 citations]
- Hosio, S., Goncalves, J., Kostakos, V. (2013). *Application discoverability on multipurpose public displays: popularity comes at a price*. In **International Symposium on Pervasive Displays (PerDis)**, 31-36. <https://doi.org/10.1145/2491568.2491576> [Acceptance rate: 59%] [19 citations]
- Venkatanathan, J., Karapanos, E., Kostakos, V., Goncalves, J. (2012). *Network, personality and social capital*. In **ACM Web Science (WebSci)**, 326-329. <https://doi.org/10.1145/2380718.2380760> [12 citations]
- Juntunen, T., Kostakos, V., Perttunen, M., Ferreira, D. (2012). *Web tool for traffic engineers: direct manipulation and visualization of vehicular traffic using Google maps*. In **International Conference on Making Sense of Converging Media (AcademicMindTrek)**, 209-210. <https://doi.org/10.1145/2393132.2393173> [7 citations]
- Kaasila, J., Ferreira, D., Kostakos, V., Ojala, T. (2012). *Testdroid: automated remote UI testing on Android*. In **International Conference on Mobile and Ubiquitous Multimedia (MUM)**, 28 1-28 4. <https://doi.org/10.1145/2406367.2406402> [Acceptance rate: 35%] [CORE B] [46 citations]
- Ojala, T., Kruger, F., Kostakos, V., Valkama, V. (2012). *Two field trials on the efficiency of unsolicited Bluetooth proximity marketing*. In **International Conference on Mobile and Ubiquitous Multimedia (MUM)**, 38 1-38 4. <https://doi.org/10.1145/2406367.2406414> [Acceptance rate: 35%] [CORE B] [8 citations]
- Hosio, S., Kostakos, V., Kukka, H., Jurmu, M., Riekk, J., Ojala, T. (2012). *From school food to skate parks in a few clicks: using public displays to bootstrap civic engagement of the young*. In **International Conference on Pervasive Computing (Pervasive)**, 425-442. [https://doi.org/10.1007/978-3-642-31205-2\\_26](https://doi.org/10.1007/978-3-642-31205-2_26) [Acceptance rate: 20%] [CORE A\*] [77 citations]

- Kostakos, V. (2012). *Keynote: From labs to cities: Mapping the social impact of ubiquitous technologies*. In **International Conference on Pervasive Computing and Communications Workshops (PerCom WS)**, 901-901. <https://doi.org/10.1109/PerComW.2012.6197641>
- Ferreira, D., Miluzzo, E., Hakkila, J., Lovett, T., Kostakos, V. (2012). *UbiMI: ubiquitous mobile instrumentation*. In **International Conference on Ubiquitous Computing Adjunct (UbiComp Adjunct)**, 715-716. <https://doi.org/10.1145/2370216.2370372> [1 citations]
- Memarovic, N., Langheinrich, M., Kostakos, V., Fitzpatrick, G., Huang, E. M. (2012). *Workshop on Computer Mediated Social Offline Interactions (SOFTec 2012)*. In **International Conference on Ubiquitous Computing Adjunct (UbiComp Adjunct)**, 790-791. <https://doi.org/10.1145/2370216.2370394>
- Linden, T., Heikkinen, T., Kostakos, V., Ferreira, D., Ojala, T. (2012). *Towards multi-application public interactive displays*. In **International Symposium on Pervasive Displays (PerDis)**, 9. <https://doi.org/10.1145/2307798.2307807> [20 citations]
- Vukovic, M., Soundar, K., Kostakos, V. (2012). *Message from the SDWM Workshop Chairs*. In **International World Wide Web Conference (IW3C2)**, 651-652.
- Rogstadius, J., Kostakos, V., Laredo, J., Vukovic, M. (2011). *Towards Real-time Emergency Response using Crowd Supported Analysis of Social Media*. In **CHI workshop on Crowdsourcing and Human Computation: Systems, Studies and Platforms**, 1-3. <https://doi.org/10.13140/RG.2.2.25881.83047> [23 citations]
- Ojala, T., Kostakos, V., Kukka, H. (2011). *It's a Jungle Out There: Fantasy and Reality of Evaluating Public Displays*. In **CHI workshop on Large Displays in Urban Life: from Exhibition Halls to Media Facades**, 1-4. <https://doi.org/10.5281/zenodo.1117397> [11 citations]
- Venkatanathan, J., Kostakos, V. (2011). *Privacy in a networked world: effects of reciprocity and imitation on location sharing*. In **CHI workshop on Networked Privacy**, 1-4. <https://doi.org/10.5281/zenodo.1117399>
- Camacho, T., Quintal, F., Scott, M., Kostakos, V., Oakley, I., da Penteadá, C. (2011). *Towards Egocentric Fuel Efficiency Feedback*. In **CHI workshop on Persuasion, Influence, Nudge & Coercion through mobile devices**, 1-4. <https://doi.org/10.5281/zenodo.1117401> [1 citations]
- Rogstadius, J., Kostakos, V., Laredo, J., Vukovic, M. (2011). *A real-time social media aggregation tool: Reflections from five large-scale events*. In **ECSCW Workshop CSCWSmart**, 1-9. <https://doi.org/10.5281/zenodo.1117403> [12 citations]
- Rogstadius, J., Kostakos, V., Laredo, J., Vukovic, M. (2011). *Improving Situational Awareness in Emergencies through Crowd Supported Analysis of Social Media*. In **European Conference on Computer-Supported Cooperative Work adjunct proceedings (ECSCW)**, 1-2. <https://doi.org/10.5281/zenodo.1117407> [2 citations]
- Kukka, H., Kruger, F., Kostakos, V., Ojala, T., Jurmu, M. (2011). *Information to go: exploring in-situ information pick-up In the Wild*. In **IFIP TC.13 International Conference on Human-Computer Interaction (INTERACT)**, 487-504. [https://doi.org/10.1007/978-3-642-23771-3\\_37](https://doi.org/10.1007/978-3-642-23771-3_37) [Acceptance rate: 28%] [CORE A] [12 citations]
- Lyra, O., Karapanos, E., Kostakos, V. (2011). *Intelligent playgrounds: measuring and affecting social inclusion in schools*. In **IFIP TC.13 International Conference on Human-Computer Interaction (INTERACT)**, 560-563. [https://doi.org/10.1007/978-3-642-23768-3\\_82](https://doi.org/10.1007/978-3-642-23768-3_82) [Acceptance rate: 22%] [CORE A] [7 citations]
- Reynolds, B., Venkatanathan, J., Goncalves, J., Kostakos, V. (2011). *Sharing ephemeral information in online social networks: privacy perceptions and behaviours*. In **IFIP TC.13 International Conference on Human-Computer Interaction (INTERACT)**, 204-215. [https://doi.org/10.1007/978-3-642-23765-2\\_14](https://doi.org/10.1007/978-3-642-23765-2_14) [Acceptance rate: 28%] [CORE A] [44 citations]
- Venkatanathan, J., Ferreira, D., Benisch, M., Lin, J., Karapanos, E., Kostakos, V., Sadeh, N., Toch, E. (2011). *Improving users' consistency when recalling location sharing preferences*. In **IFIP TC.13 International Conference on Human-Computer Interaction (INTERACT)**, 380-387.

- [https://doi.org/10.1007/978-3-642-23774-4\\_31](https://doi.org/10.1007/978-3-642-23774-4_31) [Acceptance rate: 28%] [CORE A] [8 citations]
- Rogstadius, J., Kostakos, V., Kittur, A., Smus, B., Laredo, J., Vukovic, M. (2011). *An Assessment of Intrinsic and Extrinsic Motivation on Task Performance in Crowdsourcing Markets*. In **International AAAI Conference on Web and Social Media (ICWSM)**, 321-328. <https://doi.org/10.13140/RG.2.2.19170.94401> [Acceptance rate: 20%] [224 citations]
- Ojala, T., Kostakos, V. (2011). *UBI challenge: research cooperation on real-world urban computing*. In **International Conference on Mobile and Ubiquitous Multimedia (MUM)**, 205-208. <https://doi.org/10.1145/2107596.2107622> [Acceptance rate: 44%] [CORE B] [21 citations]
- Ferreira, D., Dey, A. K., Kostakos, V. (2011). *Understanding human-smartphone concerns: a study of battery life*. In **International Conference on Pervasive Computing (Pervasive)**, 19-33. [https://doi.org/10.1007/978-3-642-21726-5\\_2](https://doi.org/10.1007/978-3-642-21726-5_2) [Acceptance rate: 24%] [CORE A\*] [198 citations]
- Bianchi, A., Oakley, I., Kostakos, V., Kwon, D. S. (2011). *The phone lock: audio and haptic shoulder-surfing resistant PIN entry methods for mobile devices*. In **International conference on Tangible, Embedded and Embodied Interaction (TEI)**, 197-200. <https://doi.org/10.1145/1935701.1935740> [Acceptance rate: 32%] [CORE A] [117 citations]
- Bianchi, A., Oakley, I., Lee, J. K., Kwon, D. S., Kostakos, V. (2011). *Haptics for tangible interaction: a vibro-tactile prototype*. In **International conference on Tangible, Embedded and Embodied Interaction (TEI)**, 283-284. <https://doi.org/10.1145/1935701.1935764> [CORE A] [13 citations]
- Kostakos, V., Venkatanathan, J., Reynolds, B., Sadeh, N., Toch, E., Shaikh, A. S. A., Jones, S. (2011). *Who's your best friend?: targeted privacy attacks in location-sharing social networks*. In **International Conference on Ubiquitous Computing (UbiComp)**, 177-186. <https://doi.org/10.1145/2030112.2030138> [Acceptance rate: 17%] [CORE A\*] [34 citations]
- Kostakos, V. (2011). *Network science as a foundation for metrics, models and theories of large-scale pervasive systems*. In **NSF workshop on Pervasive Computing at Scale (PeCS)**, 27-28. <https://doi.org/10.5281/zenodo.1117409> [1 citations]
- Ojala, T., Kostakos, V. (2011). *Driving Innovation in Urban Computing With a Community Testbed*. In **Pervasive Workshop on Pervasive Urban Applications**, 1-8. <https://doi.org/10.5281/zenodo.1117411>
- Camacho, T., Kostakos, V., Mantero, C. (2010). *A wireless infrastructure for delivering contextual services and studying transport behavior*. In **Conference on Intelligent Transportation Systems (ITS)**, 943-948. <https://doi.org/10.1109/ITSC.2010.5625134> [3 citations]
- Kostakos, V., Camacho, T., Mantero, C. (2010). *Wireless detection of end-to-end passenger trips on public transport buses*. In **Conference on Intelligent Transportation Systems (ITS)**, 1795-1800. <https://doi.org/10.1109/ITSC.2010.5625062> [43 citations]
- Wagner, D., Lopez, M., Doria, A., Pavlyshak, I., Kostakos, V., Oakley, I., Spiliotopoulos, T. (2010). *Hide and seek: location sharing practices with social media*. In **International Conference on Human-Computer Interaction with Mobile Devices and Services (MobileHCI)**, 55-58. <https://doi.org/10.1145/1851600.1851612> [Acceptance rate: 20%] [CORE B] [42 citations]
- Kostakos, V., Venkatanathan, J. (2010). *Making Friends in Life and Online: Equivalence, Micro-Correlation and Value in Spatial and Transpatial Social Networks*. In **International Conference on Social Computing (SocialCom)**, 587-594. <https://doi.org/10.1109/SocialCom.2010.181> [Acceptance rate: 13%] [25 citations]
- Kostakos, V., Barkhuus, L. (2010). *Workshop Chairs' Welcome*. In **International Conference on Ubiquitous Computing Adjunct (UbiComp Adjunct)**, 493.
- Smus, B., Kostakos, V. (2010). *Running gestures: hands-free interaction during physical activity*. In **International Conference on Ubiquitous Computing Adjunct (UbiComp Adjunct)**, 433-434. <https://doi.org/10.1145/1864431.1864473> [10 citations]

- Ferreira, D., Kostakos, V., Rogstadius, J., Venkatanathan, J. (2010). *Design, Prototyping and Evaluation of Ambient Media: Lessons Learned from the Ambient Notifier*. In **MobileHCI Workshop on Tool-Support for Mobile and Pervasive Application Development**, 1-5.
- Kostakos, V. (2009). *Is the Crowd's Wisdom Biased? A Quantitative Analysis of Three Online Communities*. In **Computational Science and Engineering (CSE)**, 251-255. <https://doi.org/10.1109/CSE.2009.491> [Acceptance rate: 20%] [55 citations]
- Kostakos, V., Oakley, I. (2009). *Designing trustworthy situated services: an implicit and explicit assessment of locative images' effect on trust*. In **Conference on Human Factors in Computing Systems (CHI)**, 329-332. <https://doi.org/10.1145/1518701.1518753> [Acceptance rate: 25%] [CORE A\*] [8 citations]
- van Leeuwen, J. P., Oakley, I., Nunes, N. J., Nisi, V., Kostakos, V. (2009). *Sensory Social Networks to Motivate Sustainable Behaviour*. In **EuroPLA**, 45-55. [2 citations]
- Catano, N., Kostakos, V., Oakley, I. (2009). *Poporo: A formal framework for social networking*. In **Workshop on Formal Methods for Interactive Systems (FMIS)**, 79. [4 citations]
- Kostakos, V., O'Neill, E. (2008). *Capturing and visualising Bluetooth encounters*. In **CHI workshop on Social Data Analysis**, 1-4. [11 citations]
- Kindberg, T., O'Neill, E., Bevan, C., Kostakos, V., Stanton Fraser, D., Jay, T. (2008). *Measuring trust in wi-fi hotspots*. In **Conference on Human Factors in Computing Systems (CHI)**, 173-182. <https://doi.org/10.1145/1357054.1357084> [Acceptance rate: 22%] [CORE A\*] [26 citations]
- Kostakos, V. (2008). *Social networking 2.0*. In **Conference on Human Factors in Computing Systems extended abstracts (CHI EA)**, 3381-3386. <https://doi.org/10.1145/1358628.1358861> [27 citations]
- Kostakos, V., O'Neill, E. (2008). *Urban encounters: the game of real life*. In **Conference on Human Factors in Computing Systems extended abstracts (CHI EA)**, 3555-3560. <https://doi.org/10.1145/1358628.1358890> [3 citations]
- Kostakos, V., O'Neill, E. (2008). *Human-in-the-loop: rethinking security in mobile and pervasive systems*. In **Conference on Human Factors in Computing Systems extended abstracts (CHI EA)**, 3075-3080. <https://doi.org/10.1145/1358628.1358810> [3 citations]
- Silva, M. L. D., Kostakos, V., Matsumoto, M. (2008). *Improving Emergency Response to Mass Casualty Incidents*. In **International Conference on Pervasive Computing and Communications (PerCom)**, 256-259. <https://doi.org/10.1109/PERCOM.2008.71> [Acceptance rate: 22%] [CORE A\*] [3 citations]
- O'Neill, E., Kostakos, V. (2008). *Measuring urban mobility and encounter*. In **Measuring Behaviour**, 66-67.
- Kostakos, V., Schiek, A. (2007). *Exploring digital encounters in the city*. In **CHI workshop on Shared Encounters**, 1-7. [1 citations]
- Silva, M. L. D., Kostakos, V., Matsumoto, M. (2007). *Study on the Use of Pervasive Technology to Improve the Emergency Response to Mass Casualty Incidents*. In **GITS GITI Forum**, 1.
- Kostakos, V., O'Neill, E. (2007). *NFC on mobile phones: issues, lessons and future research*. In **International Conference on Pervasive Computing and Communications Workshops (PerCom WS)**, 367-370. <https://doi.org/10.1109/PERCOMW.2007.84> [32 citations]
- Kostakos, V., O'Neill, E. (2007). *Quantifying the effects of space on encounter*. In **Space syntax symposium**, 97 01-97 09. [10 citations]
- Schiek, A. F. g., Penn, A., Kostakos, V., O'Neill, E., Kindberg, T., Fraser, D. S., Jones, T. (2006). *Design Tools for Pervasive Computing in Urban Environments*. In **Innovations in Design & Decision Support Systems in Architecture and Urban Planning (DDSS)**, 467-486. [https://doi.org/10.1007/978-1-4020-5060-2\\_30](https://doi.org/10.1007/978-1-4020-5060-2_30) [11 citations]
- O'Neill, E., Kostakos, V., Kindberg, T., Schiek, A., Penn, A., Fraser, D., Jones, T. (2006). *Instrumenting the city: Developing methods for observing and understanding the digital cityscape*. In

- International Conference on Ubiquitous Computing (UbiComp)**, 315-332. [https://doi.org/10.1007/11853565\\_19](https://doi.org/10.1007/11853565_19) [Acceptance rate: 13%] [CORE A\*] [218 citations]
- Kostakos, V., O'Neill, E., Shahi, A. (2006). *Building common ground for face to face interactions by sharing mobile device context*. In **Location and Context-Awareness (LoCA)**, 222-238. [https://doi.org/10.1007/11752967\\_15](https://doi.org/10.1007/11752967_15) [Acceptance rate: 24%] [44 citations]
- Coroama, V., Kostakos, V., Magerkurth, C., de Vallejo, I. L. (2005). *UbiSoc 2005: first international workshop on social implications of ubiquitous computing*. In **Conference on Human Factors in Computing Systems extended abstracts (CHI EA)**, 2111-2112. <https://doi.org/10.1145/1056808.1057111> [2 citations]
- Kostakos, V., O'Neill, E. (2005). *A space oriented approach to designing pervasive systems*. In **UK-UbiNet Workshop**, 1-2. [1 citations]
- O'Neill, E., Woodgate, D., Kostakos, V. (2004). *Easing the wait in the emergency room: building a theory of public information systems*. In **Designing Interactive Systems (DIS)**, 17-25. <https://doi.org/10.1145/1013115.1013120> [Acceptance rate: 19%] [CORE B] [39 citations]
- Kostakos, V., O'Neill, E. (2004). *Pervasive computing in emergency situations*. In **Hawaii International Conference on System Sciences (HICSS)**, 1-10. <https://doi.org/10.1109/HICSS.2004.1265232> [CORE A] [22 citations]
- Kostakos, V., O'Neill, E. (2004). *Designing pervasive systems for society*. In **Pervasive Workshop on Sustainable Pervasive Computing**, 1-8. [7 citations]
- Kostakos, V., O'Neill, E. (2004). *Extending Traditional Design Approaches for Pervasive Computing*. In **Prep2004**, 1-2. [2 citations]
- Garzonis, S., O'Neill, E., Kostakos, V., Kaenampornpan, M., Warr, A. (2004). *A novel approach for identification and authentication of users in a pervasive environment*. In **UK-UbiNet Workshop**, 1-2. [3 citations]
- Kaenampornpan, M., O'Neill, E., Kostakos, V., Warr, A. (2004). *Classifying context classifications: an activity theory perspective*. In **UK-UbiNet Workshop**, 1-2. [10 citations]
- Kostakos, V., O'Neill, E. (2003). *A directional stroke recognition technique for mobile interaction in a pervasive computing world*. In **People and Computers (BCS-HCI)**, 197-206. [https://doi.org/10.1007/978-1-4471-3754-2\\_12](https://doi.org/10.1007/978-1-4471-3754-2_12) [CORE National] [17 citations]
- Kostakos, V., O'Neill, E. (2003). *Introducing Pervasive Computing to Society*. In **UK-UbiNet Workshop**, 1-2. [CORE C] [2 citations]

## Others

- Kostakos, V. (2009). *An empirical study of spatial and transpatial social networks using Bluetooth and Facebook*. **ArXiv e-prints**, 0910, 1-17. Retrieved from <https://arxiv.org/abs/0910.4292> [5 citations]
- Kostakos, V. (2009). *Is the crowd's wisdom biased? A quantitative assessment of three online communities*. **ArXiv e-prints**, 0909, 1-17. Retrieved from <https://arxiv.org/abs/0909.0237>
- Kostakos, V. (2008). *The privacy implications of Bluetooth*. **ArXiv e-prints**, 0804, 1-10. Retrieved from <https://arxiv.org/abs/0804.3752> [7 citations]
- Kostakos, V., Kostakos, P. (2008). *Intelligence gathering by capturing the social processes within prisons*. **ArXiv e-prints**, 0804, 1-21. Retrieved from <https://arxiv.org/abs/0804.3064> [1 citations]
- Kostakos, V., O'Neill, E. (2008). *Size matters: performance declines if your pixels are too big or too small*. **ArXiv e-prints**, 0804, 1-10. Retrieved from <https://arxiv.org/abs/0804.3103>

- Kostakos, V. (2008). *Bluetooth monitoring can bring many benefits*. **The Guardian**, 1-2. Retrieved from <http://www.guardian.co.uk/technology/blog/2008/jul/21/bluetoothmonitoringcanbring>
- Kostakos, V., O'Neill, E., Penn, A. (2007). *Brief encounter networks*. **ArXiv e-prints**, 0709, 1-8. Retrieved from <https://arxiv.org/abs/0709.0223>
- Kostakos, V. (2005). *A design framework for pervasive computing systems*. (**PhD Thesis**), Department of Computer Science University of Bath Technical Report CSBU2005-02 ISSN 1740-9497. [16 citations]