

Curriculum Vitae: Dr. Parisa Eslambolchilar

tel: +44 (0)1792 602658
email: csparisa@swansea.ac.uk
url: <http://cs.swan.ac.uk/~csparisa>

CURRENT POSITION

03/2007-present: Lecturer, Computer Science Department, Swansea University

QUALIFICATIONS


2003–2006 PhD in Computer Science, Hamilton Institute, National University of Ireland, Maynooth, Ireland
1999–2002 MEng. in Robotics and Artificial Intelligence, University of Tehran (Iran)
1994–1999 BEng. in Computer Hardware Engineering, University of Amirkabir (Tehran, Iran)

EMPLOYMENT

03/2007-Present Lecturer, Computer Science Department, Swansea University
2006-02/2007 Research fellow, Hamilton Institute, National University of Ireland, Maynooth, Ireland
2003-2006 Research assistant/PhD student, Hamilton Institute, National University of Ireland, Maynooth, Ireland
2002-2003 Analyzer and developer, Farineh Co. Tehran, Iran
2000-2002 Analyzer and developer, Iran Centre for Industrial Research & Development (ICIRAD),

RESEARCH

Awarded Grants

- 2011-2012: CoI in Welsh Assembly Funded 
- Research project which explores the barriers for Welsh speaker to connect with their community
 - Collaboration with Dr Rhys Jones and Dr Steve Morris in Welsh Department in Swansea
 - £10,150 awarded fund
- 2011-2012 Co-Investigator (CoI) in Welsh Seedcorn “Digital Weight Watcher”
- Research project which involves collaboration with Dr Martin O’neill (PI) from Social Science Department, Cardiff University
 - £ 5800 awarded fund.
- 2011-2012 CoI in Welsh Seedcorn “Towards the next generation devices for real-time monitoring and drug delivery in the gastro-intestinal system”
- Research project with *Dr* Raoul van Loon (PI), Dr Lijie Li, Dr Antonio J. Gil, Swansea University (Engineering) and Dr Grace Carolan-Rees, Cedar (Cardiff)
 - £7200 award fund.
- 2011-2012 CoI in EPSRC project “Bridging The Gaps: The allure of good plans: How mobile phone – based feedback can boost the positive effect of concrete plans on health behaviour change.”
- Research project which involves collaboration with Dr Gabriela M. Jiga-Boy and Dr. Katy Tapper from Psychology Department, Swansea University
 - £3950 awarded fund.

- 2010–2011 Principal Investigator (PI) in EPSRC project “Bridging The Gaps: Mobile Wireless Vital Signs monitoring System”.
- Research project encompassing wireless technologies, medical devices and personal health monitoring devices.
 - £6700 awarded fund.
- 2009–2012 PI (in Swansea/) in Digital Economy (DE) Sandpit Project CHARM: “Digital technology: shaping consumer behaviour by informing conceptions of 'normal' practice” (ref EP/H006966/1).
- Research project encompassing consumer behaviour, global warming, personal health and HCI in mobile devices.
 - £920k total grant fund.
 - Collaboration between Swansea, University of West of England-Bristol and Kingston University.
 - Supervision of one research assistant employed on this project in Swansea University since September 2009.
- 2009–2015 CoI in EPSRC Programme Grant CHI+MED: “Multidisciplinary Computer-Human Interaction research for the design and safe use of interactive medical devices” (ref EP/G059063/1).
- Collaboration between Swansea, UCL and Queen universities.
 - £6m total grant fund.
 - Research project encompassing cognitive behaviour science, medical devices and healthcare.
 - Supervision of one PhD candidate since January 2010.
- 2008–2011 CoI in EPSRC Platform Grant FIT Lab/UCLIC PLATFORM: "Healthy interactive systems: Resilient, Usable and Appropriate Systems in Healthcare” (ref EP/G003971).
- Research project encompassing medical devices and healthcare.
 - Collaboration between Swansea, City and UCL universities.
 - £5m total grant fund.
 - Best paper award at the ECDL’09 conference.

Supervised PhD Candidates

- Emma Tom (funded by EPSRC EP/****), since January 2010
- Tom Owen (funded by EPSRC EP/G059063/1), since January 2010
- Patrick Oladimeji (funded by EPSRC EP/G059063/1), since April 2010
- Abigail Cauchi (funded by EPSRC EP/G059063/1), since September 2010
- Dan Craggs (Department bursary, at Swansea University), since September 2009
- Richard Snow (Department bursary, at Swansea University), since September 2009
- Andy Gimblett (funded by EPSRC EP/F020031/1), since September 2009
- Simon Robinson (funded by EPSRC EP/E042171/1), since July 2008
- Helen Dodd (Department bursary, at Swansea University), since September 2008
- Chitra Acharya (funded by EPSRC EP/F020031/1), since September 2008

Past Supervision:

- Dr Eslambolchilar has also supervised successful projects with research students (MRes) in the department of Computer Science, namely Richard Byrne [see **Byrne** et al., 2010 (Petra), Byrne et al., 2010 (CS4Fun), Rettie et al., 2010].
- Dr Eslambolchilar has also co-supervised (together with Professor Matt Jones) a successful MRes Mr Chris Elsmore who received his degree in 2010 and is now an RA at Cambridge University.
- Dr Eslambolchilar has also supervised other successful projects with PG students in the department of Computer Science, namely, Nicholas Hill [See Hill & Eslambolchilar, 2008].

PhD/Research Candidate Examiner

- PhD examination chair, “Investigating Lightweight Interaction for Active Reading in Digital Documents”, Jennifer Sarah Pearson, Department of Computer Science, Swansea University, November 2011
- *Internal Examiner* for the MRes thesis, Auditory Communication and Social Networks in Massively Multiplayer Online Games by Isaac Thimbleby, Department of Computer Science, Swansea University, September 2009
- *Internal Examiner* for the PhD thesis, *Cultural Models in HCI: Hofstede, Affordance and Technology Acceptance* by Lidia Oshlyansky, Department of Computer Science, Swansea University, 2008
- *Internal Examiner* for the MRes thesis, What You See Is What You Think, by Hao Hong, Department of Computer Science, Swansea University, October 2008
- *Internal Examiner* for the MRes thesis, Devices, Errors and Improving Interaction Design - A Case Study Using an Infusion Pump by Patrick Oladameji, Department of Computer Science, Swansea University, October 2008

Invitations for Peer Reviewing/Refereeing of Publications and Grant Applications

1. Reviewer for National Institute for Health Research (NIHR)
2. Reviewer for the Royal Society-the UK’s National Academy of Science (royalsociety.org)
3. ACM journal of TOCHI journal reviewer
4. International Journal of Human-Computer Studies (IJHCS)
5. International Journal of Mobile Human-Computer Interaction (IJMHCI)
6. Iranian Journal of Electrical and Computer Engineering (IJECE)
7. Elsevier Journal of Personal and Ubiquitous Computing Reviewer (PUC)
8. The Journal of Computer Science and Technology (JCST)
9. The ACM conference on Pervasive Health 2012 (Programme Committee member)
10. The ACM conference on UbiComp 2011 (Programme Committee member)
11. The ACM conference/workshops on CHI since 2009
12. The ACM conference on Mobile Human-Computer Interaction (Mobile HCI) (Programme Committee member) since 2005
13. The ACM Conference on Human Factors in Computing Systems 2008,2009
14. The ACM conference on wearable computing conference ISWC 2010
15. The ACM conference Tangible Embedded Interaction (TEI) since 2008
16. Handbook of Research on User Interface Design and Evaluation for Mobile Technology
17. Handbook on Ambient Assisted Living for Healthcare, Well-being and Rehabilitation
18. ACM workshop on Persuasion, Influence, Nudge and Coercion through mobile devices (PINC 2011 @ CHI 2011)
19. ACM workshop on Nudge & Influence through Mobile Devices (NIMD’10 @ MobileHCI 2010)
20. Swansea University's Bridging the Gaps (BTG) funding scheme (in conjunction with Swansea University Research Forum-SURF)

AWARDS & AFFILIATIONS

- Second CHI+MED summer workshop organiser, engaging with the designers, Swansea August 2011.
- Accepted in a competitive first Welsh Crucible 2011
- PINC2011 Workshop organiser (Persuasion, Influence, Nudge and Coercion through mobile devices) in conjunction with CHI 2011 Conference in Vancouver, Canada, May 2011
- NIMD’10 Workshop organiser (Nudge & Influence through Mobile Devices) in conjunction with Mobile HCI 2010 Conference in Lisboa, Portugal, September 2010.
- Mentor in Women in University Mentoring Scheme (WUMS) since June 2010
- Received two award certificates for organising Discover! Saturday workshop at Computer Science Department in Swansea University, March 2009 and 2010.
- Swansea ATHENA committee member: November 2008-May 2009

- Member of interview panel in Swansea University, Computer Science Department since June 2007
- Ranked second in RoboFesta-2001 (Robot Festival Games - Partner Robots, 23-25 Nov, Yokohama, Japan)

TEACHING

Courses

- MEng group project (CS-M04) – Coordinator, TB1 – TB2 2010-present
 - Making contacts with IT businesses
 - MEng industrial group project coordinator
 - Coordinating groups and assigning projects
 - Working closely with Software Alliance Wales (SAW)
- Interaction Technologies: Seminars and Readings (CS-M39) – Guest Lecturer, Teaching Block (TB) 2: 2009-2010
- Hardware and Devices (CS-M79): TB2: since March 07 (Msc/Mres module)
 - Open to all M-Level Computer Science students
 - Module coordinator
 - Material designer/deliverer
 - This module covers subjects such as Tangible Bits analog/digital input/output devices in designing interaction, Phidgets, Arduino, Wii, accelerometer, magnetometers, GPS, gyros, and audio/haptic user interfaces.
- Computers Unplugged (CS-199) – Guest Lecturer, TB1: 2008-2009, 2010-2011
- Principles of Computer Science I (CS-150): TB 1: since 2011 (First year undergraduate module)
 - Open to all 1st year Undergraduate Computer Science Students
 - Module coordinator
 - Material designer/deliverer
 - This module covers subjects such as History of Computing, Boolean logic/gates, digital circuits, Von Neumann architecture, Pep/8 assembly etc.
- From languages to hardware (CS-113): TB 1: since 2008 (First year undergraduate module)
 - Open to all 1st year Undergraduate Computer Science Students and joint degrees with Physics and Geography
 - Module coordinator
 - Material designer/deliverer
 - This module covers subjects such as Boolean logic/gates, digital circuits, Von Neumann architecture, ARM assembly etc.
- Open University (Lecturer – 1st year undergraduate CS students in Principals of Computing Systems module) 2010-present Dr Eslambolchilar was the primary lecturer for preparing a teaching video for the Open University. This video was related to teaching about hardware from Computer Science and Engineering point of view. It has been downloaded and watched by more than 1500 students every year.

Tutorial

- CS-124 (Computers and Society) - Tutorial Group Supervision and Moderator: TB 1-2: Since 2008
 - Open to first year undergraduate students
 - Designing tutorial materials and activities in the tutorials.
- CS-134 (Professional Issues and Software Engineering) - Moderator and Tutorial Group Supervision : TB 1-2: 2007-2008
 - Open to first year undergraduate students
 - Designing tutorial materials and activities in the tutorials.
- First year undergraduate students' tutorial (personal and academic tutor) since 2008 - present

Supervision

- CS-334: Project Specification and Development-Student Project Supervision: TB 1: Since 2007 (Third year undergraduate students)

- CS-344: Project Implementation and Dissertation-Student Project Supervision: TB 2: Since 2007 (Third year undergraduate students)
- CS-M08 (Future Interaction Technologies MSc Projects) : TB1-2: Since 2007
- CS-M09 (Future Interaction Technologies MRes Projects) : TB1-2: Since 2008
 - MEng individual project (CS-M14) – Coordinator, Project supervisor, TB1—TB2 2011-present - Fourth year undergraduate students (MEng)

Student Supervision

MEng group project

- “Digital carer” project, in collaboration with Dr Akshay Peer (Swansea) 2011-2012
- “Friend Tracker” project, in collaboration with James Moore, SCL director (Fishguard) 2011-2012
- “Pingar Facebook Project”, in collaboration with Pingar (Swansea) Kam Lam and John Beer, 2010-2011

MEng individual project (industrial collaboration)

- Antony Jordan, “Funky medics”, 4th year MEng. Project, 2011-2012
- Timothy Kist, “RNA Plant”, 4th year MEng. Project, 2011-2012
- Steven Lee, “Walk with Android”, 4th year MEng. Project, 2011-2012

MSc./MRes Projects

- Julie Webster, “Direct and Indirect input devices and aging population”, MRes Project, 2011-2013.
- Tashi Raptan, Feed Your Mood to a Music Player, MSc. Project, 2010-2011.
- Emma Thom, Virtual Physical and Digital Bookshelves, MRes project, 2009-2011.
- Claudio D’Onofrio, Combining Speed-Dependent Automatic Zooming with Content-Aware Image Resizing for Mobile Devices, MSc. project, 2009-2010.
- Richard Byrne, The way you walk: Automatic Mood recognition via Gait Phase Effects, MRes. project, 2008-2011.
- Chris Elsmore (second supervision), Neighbourhood Watch: Social Resource Monitoring, MRes project, 2008-2010
- Robert Thomas, Effectiveness of Speed Sonification as a Notifier in Automobiles, 2008-2009
- Gareth Williams, Gesture-Based Web Navigator, 2007-2008
- Nicholas Hill, Seam Carving for Enhancing Image Usability on Mobile Devices, 2007-2008

Summer Internship Projects

- Daniel Thomas, Retail Tablet Assistant Concept, Summer placement project with ISCA Networks, June-August 2011

BSc. Projects

- Jesvin Chalikkara, “Tina the cat”, 3rd year BSc. Project, 2011-2012
- Richard King, “Stock Solutions”, 3rd year BSc. Project, 2011-2012
- Daniel Thomas, “iRetail”, 3rd year BSc. Project, 2011-2012
- Anthony Jordan, “Reminding framework for people with mild dementia”, Third Year BSc. Project, 2010-2011,
- Gary Seto, “Vibrate the way: Pedestrian navigation using haptics”, Third Year BSc. Project, 2010-2011,
- Matthew Plant, Using Doppler Perception for Interaction with Mobile Devices, Third Year BSc. Project, 2009-2010,
- Daniel Riley, Human Behaviour: Classifying the Intentional and Unintentional Behaviour in Interaction with Mobile Devices, Third Year BSc. Project, 2009-2010
- Zena Reynolds, Line Tracking with Lego Mindstorm, Third Year BSc. Project, 2009-2010

- Seran Ozel, Physical Messenger Notifier, Third Year BSc. Project, 2008-2009
- Kit Wong, Tilt-Controlled Interaction with a Flight Simulator, Third Year BSc. Project, 2008-2009
- Daniel Craggs, Efficacy and Efficiency of RFID-Based Order Processing and Management Systems, Third Year BSc. Project, 2008-2009, Distinction
- Mahdis Zakeri, Parking Assistant, Third Year BSc. Project, 2008-2009
- Steven Welti, A Map Browser for Tilt-Controlled PDA, Third Year BSc. Project, 2007-2008

Attended Teaching Related Courses

04/2007 – 05/2009: Attended Staff Development Unit (SDU) training courses for new lecturers at Swansea University including:

- “Introduction to University Teaching”,
- “Research ambitions”,
- “Assessing Students Working in Groups”,
- “Engaging Your Audience using Questions in Lectures”,
- “Presentation as Performance”,
- “Fair Recruitment and Selection”,
- “Supervising postgraduate students”,
- “Excellence in teaching and learning”.

MANAGEMENT, ADMINISTRATION & 3rd MISSION DUTIES

1. Head of the MEng Computer Science Students, 2010 - present
Responsibilities include:
 - MEng Year (level 4) - year head:
 - Prepare and present the year four induction seminar,
 - Attend student/staff meetings,
 - Calibrate fourth year exams,
 - MEng Computing Programme Coordinator
 - MEng Group Project Coordinator - prepare and present a list of projects in the programme handbook.
2. Engineering and ICCT liaison officer: 2008 - present.
Duties include:
 - Review modules for ICCT students,
 - Circulate and discuss incoming changes to the ICCT programme with the Engineering Dept. ICCT liaison officer,
 - Correspondence with ICCT/Engineering applicants.
3. Run Computer Science Café series since Nov 2011 (weekly event)
4. FITLab technical coordinator since 2007
 - General management of gadgets, widgets, APIs and software.
5. Schools and colleges liaison officer: 2008 - present.
Duties include:
 - Prepare and present *Higher Education Day talks* to college students,
 - Prepare and present computer science related talks to school children,
 - Collaborate with *Computer Science 4 Fun (CS4fun)* magazine-writing articles for school children in this magazine
6. Run Human-Computer Interaction related workshops for school children at the university.
Participant in EPSRC ExCITe workshop Igniting Enthusiasm for ICT, February 2010
 - Through a rigorous selection process by EPSRC I was among other 34 researchers from all over the UK in this workshop to promote the ICT in UK schools and universities.
7. Lecturer in Open University (OU), July 2010
 - A video production that will be used for teaching to 1st year CS undergraduate students at Open University.

8. Presented a *Higher Education Day Talk*, 30 June 2010, Gorseinon College, Swansea, Wales, UK
9. Organiser of Saturday Discover! Science Workshop for school children (HCI subject): March 2009 and 2010.
10. Recruitment events, Swansea University Open Days: 2008 - present
11. Student enrolment and inductions: Prospective Computer Science Student Interviews: February 2010 - present
12. British Computer Society Accreditation liaison officer: 2009 - present.
13. A member of the recruitment panel: 2007-present
Responsibilities include:
 - Shortlist prospective research assistant/PhD/MRes candidates,
 - Shortlist prospective academic candidates (Assistant Professorship),
 - Interview shortlisted research assistants and academic candidates.
14. A member of Swansea ATHENA panel: November 2008 - April 2009
This panel identified obstacles in achieving equal opportunity in Swansea University employment. The panel led dynamic and thought-provoking discussions that stimulated active participations from both academic and non-academic job sectors across the university. These led to achieving ATHENA silver award for Swansea University in June 2009.
15. A mentor in Women in University Mentoring scheme (WUM): June 2010 - present
Duties include:
 - Meet up with the mentees three to four times a year,
 - Write progress report to the programme chair,
 - Attend general meetings and related courses to the mentoring.
16. Extenuating Circumstances Committee-Level 3: 2008-2009

SKILLS

- Object-oriented programming languages: Android, C++, VC++, Embedded Visual C++ (Pocket PC), Delphi, COM, DCOM, ActiveX
- Structured programming languages: Python, C, WATCOMC, Pascal
- Context sensitive programming languages: HTML, XML
- Machine languages: Assembly (8051, 8085, Z80, TMS3203X),
- Graphics languages: OpenGL, OpenIL
- Scientific languages: Matlab, Simulink, Orcad
- Operating Systems: Windows 95, 98, 2000, and XP, Win CE
- Others: Microsoft Office, LaTeX

PUBLICATIONS

Book

1. **Eslambolchilar, P.**, Rogers, Y. (Editors), Theme Issue on Persuasion, Influence, Nudge and Coercion through ubiquitous technologies (2012), Published by Personal and Ubiquitous Computing (PUC)

Journal Papers (Refereed/Peer Reviewed)

1. Walton, S., **Eslambolchilar, P.**, Harries, T., Rettie, R., *Walking in the Wild: A Six-Week Field Trial of bActive*, Submitted to the theme issue Persuasion, Influence, Nudge and Coercion through mobile devices (PINC), Personal and Ubiquitous Computing, Elsevier Publisher, will appear online in September 2012
2. Robinson, S., Jones, M., Williamson, J., Murray-Smith, R., **Eslambolchilar, P.**, Lindborg, M., *Navigation Your Way: From Spontaneous Independent Exploration to Dynamic Social Journeys*, Accepted to be published in the Special Issue of Extreme Navigation, Personal and Ubiquitous Computing, David McGookin & Charlotte Magnusson editors (editors), 20 September 2011, pp. 1-13. doi:10.1007/s00779-011-0457-2 Key: citeulike:9790246 (PUC impact factor in 2010 1.137)

3. **Eslambolchilar, P.**, Murray-Smith, R., *A Model-Based Approach to Analysis and Calibration of Sensor-Based Human Interaction Loops*, Published in the International Journal of Mobile HCI (IJMHCI), Jo Lumsden (Ed.), pp.48-72, January 2010, Vol 2(1), doi: 10.4018/jmhci.2010100603
4. **Robinson, S., **Eslambolchilar, P.**, Jones, M., *Exploring casual point-and-tilt interactions for mobile geo-blogging*, Published in Personal and Ubiquitous Computing (PUC), May 2010, Published online in April 2009, <http://dx.doi.org/10.1007/s00779-009-0236-5> (PUC impact factor is 1.554)
5. ****Eslambolchilar, P.**, Murray-Smith, R., *Control Centric Approach in Designing Scrolling and Zooming User Interfaces*, Published in International Journal of Human-Computer Studies (IJHCS), Special issue on Mobility, S. Brewster and A. Oulasvirta (Eds.), August/September 2008, <http://dx.doi.org/10.1016/j.ijhcs.2008.07.005> (IJHCS impact factor is 2.380)
6. Moshiri, B., **Eslambolchilar, P.**, Hoseinnezhad, R. (2003) *Fuzzy Clustering Approach using Data Fusion Theory and its Applications in Automatic Isolated Word Recognition*, International Journal of Engineering (IJE), Transaction B: Applications Vol. 16, No.4, 329-336 (IJE impact factor is 1.65)

Book Chapters (Peer Reviewed)

1. ***Eslambolchilar, P.**, Murray-Smith, R., Crossan, A., Dalzel-Job, S., and Pollick, F. (2007). *Handbook of Research on User Interface Design and Evaluation for Mobile Technology*, chapter Model-based Target Sonification in Small Screen Devices: Perception and Action. Lumsden J. (Eds), pp. 478-506, Idea Group Reference. ISBN: 978-1-59904-871-0

Conference Papers (Refereed/Peer Reviewed)

1. **Eslambolchilar, P.**, Wilson, M., Oakley, I., and Dey. A., 2011. PINC: persuasion, influence, nudge & coercion through mobile devices. In *Proceedings of the 2011 annual conference extended abstracts on Human factors in computing systems (CHI EA '11)*. ACM, New York, NY, USA, 13-16. DOI=10.1145/1979742.1979586 <http://doi.acm.org/10.1145/1979742.1979586>
2. **Eslambolchilar, P.**, Wilson, and Komninos. A., 2010. Nudge & influence through mobile devices. In *Proceedings of the 12th international conference on Human computer interaction with mobile devices and services (MobileHCI '10)*. ACM, New York, NY, USA, 527-530. DOI=10.1145/1851600.1851735 <http://doi.acm.org/10.1145/1851600.1851735>
3. Byrne, R., **Eslambolchilar, P.**, Encouraging an Active Lifestyle with Personal Mobile Devices: Motivational Tools and Techniques, In proceedings of Nudge and Influence through Mobile Devices workshop (NIMD), pp. 3-6, CEUR Workshop Proceedings, Vol. 690, urn:nbn:de:0074-690-5, Lisboa, Portugal, September 2010 .
4. Rettie, R., Burchell, K., **Eslambolchilar, P.**, Studley, M., Byrne, R., Chambers, S., Patel, K. CHARM: The social norm approach to sustainable behaviour change , Accepted in Digital Futures 2010, 11-12 October 2010, Nottingham, UK
5. ** **Nominated for Best Paper Award** Robinson, S., **Eslambolchilar, P.**, Jones, M., "I did it my way": Moving Away from the Tyranny of Turn-by-Turn Pedestrian Navigation, Accepted in Mobile HCI'10, Lisbon, Portugal, September 2010, ACM
6. **Best Paper Award**: Owen, T., Buchanan, G., **Eslambochilar, P.**, Loizides, F., Supporting Early Document Navigation with Semantic Zooming, Accepted in ICADL 2010, ACM, Gold Coast, Australia, June 23-25, 2010
7. Byrne, R., **Eslambolchilar, P.**, Crossan, A., Health Monitoring using Gait Phase Effects, Accepted in PETRA 2010: PErvasive Technologies Related to Assistive Environment, ACM, Samos, Greece, June 2010, Corfu, Greece, June 21-25, 2010, doi: [10.1145/1839294.1839317](http://dx.doi.org/10.1145/1839294.1839317)
8. **Best Paper Award**: **Eslambolchilar, P.**, Buchanan, G., Loizides, F., Here it is: Enhancing rapid document browsing with sound cues, ECDL'09: Proc. of ECDL 2009, Corfu, Greece, Lecture notes in Computer Science (Springer), 2009, pp. 75-86, Vol. 5714, doi: 10.1007/978-3-642-04346-8_9
9. ****Best Paper Award**: Robinson, S., **Eslambolchilar, P.**, Jones, M., Sweep-shake: finding digital resources in physical environments, MobileHCI '09: Proc 11th International Conference on

- Human-Computer Interaction with Mobile Devices and Services, Bonn, Germany, ACM, 2009, pp. 85-94, doi: 10.1145/1613858.1613874
10. Robinson, S., **Eslambolchilar, P.**, Jones, M., Evaluating haptics for information discovery while walking, BCS-HCI '09: Proc. 23rd British HCI Group Annual Conference on HCI, Cambridge, United Kingdom, BCS 2009, pp. 93-102, doi: 10.1145/1671011.1671022
 11. Hill, N. and **Eslambolchilar, P.**, *Seam Carving for Enhancing Image Usability on Mobiles*, Accepted student paper in British HCI conference 2008 (HCI'08), September 2008, Liverpool, UK, Published by BCS
 12. Robinson, S., **Eslambolchilar, P.**, and Jones, M. (2008), *Point-to-GeoBlog: Gestures and Sensors to Support User Generated Content Creation*, Accepted in Mobile HCI'08, 10th International Conference on Human-Computer Interaction with Mobile Devices and Services, September 2-5, Amsterdam, The Netherlands. ACM Press, USA.
 13. **Eslambolchilar, P.** and Murray-Smith, R. (2008), *Interact, Excite, and Feel*, Second International Conference on Tangible and Embedded Interaction, TEI'08, February 21-24, Bonn, Germany. pp. 131-138, ACM Press, ISBN:978-1-60558-004-3, doi: [10.1145/1347390.1347419](https://doi.org/10.1145/1347390.1347419)
 14. *Strachan, S., **Eslambolchilar, P.** and Murray-Smith, R., Hughes, S., O'Modhrain, S. (2005) *GPSTunes: Controlling navigation via audio feed-back*, In Proceedings of the 7th International Conference on Mobile HCI'05, Salzburg, Austria, 275-278, Springer, DOI:10.1145/1085777.1085831
 15. **Eslambochilar, P.**, Williamson, J., and Murray-Smith, R. (2004). *Multimodal Feedback for tilt controlled Speed Dependent Automatic Zooming*. In Proceedings of ACM UIST'04, pp. 34-35, Santa Fe, New Mexico, ACM Press.
 16. ***Eslambolchilar, P.** and Murray-Smith, R. (2004). *Tilt-based Automatic Zooming and Scaling in mobile devices-a state-space implementation*. In Brewster, S. A. and Dunlop, M. D., editors, MobileHCI 2004, volume 3160 of Springer Lecture Notes in Computing Science, pp. 120-131, Glasgow, Scotland, DOI: 10.1007/b100594
 17. Moshiri, B., **Eslambolchilar, P.**, Hoseinnezhad, R. (2004), *Fusion of spectrograph and LPC analysis for Word Recognition: A new fuzzy approach*, Fusion'2004-The 7th International Conference on Information Fusion, Svensson, P. and Schubert, J. (Eds.), Vol II: ISBN 91-7056-116-8, Stockholm, Sweden, 449-454
 18. **Eslambolchilar, P.**, Moshiri, B. (2003), *Fuzzy clustering decision level fusion for automatic isolated word recognition*, 4th Asian Control Conference, Singapore
 19. Kalantar, S., **Eslambolchilar, P.**, Ahmadabadi, M. (2002), *Using Population-based Incremental Learning for Evolving Sensory-Motor Behaviours for Autonomous Line-Tracking Mobile Robots*, In proceedings of 4th Asia-Pacific Conference on Simulated Evolution And Learning (SEAL'2002), Singapore

Workshop Papers (Peer Reviewed)

1. Cauchi, A., Curzon, P., **Eslambolchilar, P.**, Gimblett, A., Harrison, M., Huang, H., Lee, P., Li, Y., Masci, P., Oladimeji, P., Rukšėnas, R., and Thimbleby, H., Towards Dependable Number Entry for Medical Devices, Accepted into EICS4MED, June 2011, Pisa, Italy.
2. Blandford, A., Cauchi, A., Curzon, P., **Eslambolchilar, P.**, Furniss, D., Gimblett, A., Harrison, M., Huang, H., Lee, P., Li, Y., Masci, P., Oladimeji, P., Rajkomar, A., Rukšėnas, R., and Thimbleby, H., Comparing Actual Practice and User Manuals: A Case Study Based on Programmable Infusion Pumps, Accepted into EICS4MED, June 2011, Pisa, Italy.
3. Byrne, R., **Eslambolchilar, P.**, Encouraging an Active Lifestyle with Personal Mobile Devices: Motivational Tools and Techniques, accepted in Nudge & Influence Through Mobile Devices workshop (NIMD), September 2010, Lisboa, Portugal.
4. Elsmore, C., Wilson, M., Jones, M. and **Eslambolchilar, P.**, Neighbourhood Watch - Community based Energy Visualisation For The Home, accepted in Nudge & Influence Through Mobile Devices workshop (NIMD), September 2010, Lisboa, Portugal.
5. ***Eslambolchilar, P.** and Murray-Smith, R. (2006). *Model-Based, Multimodal Interaction in Document Browsing*. In Machine Learning for Multimodal Interaction, 3rd JointWorkshop on Multimodal Interaction and Related Machine Learning Algorithms, MLMI, Springer Lecture Notes in Computer Science, pp. 1-12, USA, DOI:10.1007/11965152_1

Invited interviews/Papers/Public Engagement

1. **Eslambolchilar, P.**, BBC Radio Wales (Wales at Work) in July 2011 (<http://www.bbc.co.uk/iplayer/console/b012614d> segment min19th)
2. **Eslambolchilar, P.**, New mobile phone app to help people take fitness in their stride, Western Mail, 5th of September 2011, <http://www.walesonline.co.uk/news/health-news/2011/09/05/new-mobile-app-to-help-people-take-fitness-in-their-stride-91466-29361760/>
3. **Eslambolchilar, P.**, Rettie, R, Studely, M, **HI-TECH AIMS TO IMPROVE LIFESTYLE**, BBC ARTICLE <HTTP://NEWS.BBC.CO.UK/1/HI/8062327.STM>
4. Walton, S., **Eslambolchilar, P.**, Rettie, R., Harries, T., Burchell, K., bActive - An Android App to Make You More Active, Queen Mary University (Publisher), June 2011, <http://www.cs4fn.org/mobile/bactive.php>
5. Walton, S., **Eslambolchilar, P.**, Smart Phones, Operating Systems and Google Android, Queen Mary University (Publisher), June 2011, <http://www.cs4fn.org/mobile/android.php>
6. Jordan, A., **Eslambolchilar, P.**, Managing Dementia with Smart Phones, Queen Mary University (Publisher), October 2011, <http://www.cs4fn.org/designforall/dementia.php>.
7. Byrne, R., **Eslambolchilar, P.**, Crossan, A., SHAKE off that foul mood, CS4Fun, Computer Science 4 Fun magazine, Paul Curzon (Eds.), Queen Mary University (Publisher), December 2010, <http://www.cs4fn.org/emotions/walkhappy.php>

Technical Reports

1. Kalantar, S., **Eslambolchilar, P.**, Exploring the Possibility of Stochastic Learning and Genetic Evolution in the Automatic Design of Line-Tracking Robots, Robotics Laboratory, Electrical and Computer Engineering (ECE) Department, University of Tehran, Iran, 2001

Note: Publications highlighted with * were submitted to RAE 2008. Publications highlighted with ** are considered for submission to REF.

INVITED TALKS/POSTERS

1. *ANTICIPATING ERROR: ANALYSING BLOOD GLUCOSE MONITORS FOR POTENTIAL PATIENT USE ERRORS*, Tom Owen, **Parisa Eslambolchilar**, Richard Bracken, George Buchanan, Advanced Technoliges and Treatments for Diabetes ATTD 2011, London, February 2011.
2. *Shape Physical Activity Behaviour with Personal Mobile Displays*, **Parisa Eslambolchilar**, Invited lecture (Invited by Prof. Yvonne Rogers), Computer Science Dept, Open University, Milton Keynes, May 2010
3. *Digital technology and interfaces: shaping sustainable behaviour by informing conceptions of 'normal' practice*, Ruth Rettie, Matt Studly, **Parisa Eslambolchilar**, Talk, Digital Technology Delphina meeting, London, January 2010
4. *Crowd Mood Tracking*, **Parisa Eslambolchilar**, Invited lecture, MSc/MRes postgraduate course, Seminars module, Computer Science Dept., Swansea University, March 2010
5. Organiser of *Discover! Science Workshop for school children (HCI subject)*: March 2010 organised with Dr. Ben Daubney, Mr. Richard Byrne, Mr. Dan Craggs and Mr. Richard Snow in March 2010
6. *Shape Physical Activity Behaviour with Personal Mobile Displays*, **Parisa Eslambolchilar**, Talk, Glaxo Smith Kline, Surrey, October 2009
7. *Shape Physical Activity Behaviour with Personal Mobile Displays*, **Parisa Eslambolchilar**, Talk, University of Walse Institute, Cardiff, June 2009
8. *Encourage Me I Want to Be Green: Shape Physical Activity Behaviour with Personal Mobile*

- Displays*, **Parisa Eslambolchilar**, Invited lecture, Visible Lunch series, Computer Science Dept. Swansea University, March 2009
9. Organiser of *Discover! Science Workshop for school children (HCI subject)* - March 2009 organised with Ms. Jenn Pearon and Ms. Helen Dodd in March 2009
 10. *Future Interaction Technologies: Present to Future*, **Parisa Eslambolchilar**, Talk, Staff Development Unit, Swansea University, September 2007
 11. *Gesture Interfaces*, **Parisa Eslambolchilar**, Invited lecture, 1st year undergraduate course, Computers Unplugged, Computer Science Dept., Swansea University, November 2007
 12. *Making sense of Tilt Interaction*, **Parisa Eslambolchilar**, Invited speaker in Knowledge Media Institute, Open University, Milton Keynes, UK, August 2007
 13. *Making sense of Tilt Interaction*, **Parisa Eslambolchilar**, formal modeling workshop, Computer Science Dept., Swansea University, August 2007
 14. *Engineering of Human-Computer Interaction*, **Parisa Eslambolchilar**, Computer Science Department, Colloquium Talk, Swansea University, May 2007
 15. *Making Sense of Interaction Using a Model-Based Approach*, **Parisa Eslambolchilar**, PhD Viva Voca, Hamilton Institute, National University of Ireland, Maynooth, February 2007
 16. *Zooming and Scrolling Interfaces, Making Sense of Interaction*, **Parisa Eslambolchilar**, Invited talk, SHARP research lab, Oxford Science Park, Oxford, England, September 2006
 17. *Continuous Multimodal Interaction with Mobile Devices*, **Parisa Eslambolchilar**, Invited talk, SONY Computer Science Research Institute, Paris, France, August 2005
 18. *Making Sense of Fisheye Views*, **Parisa Eslambolchilar** & Rod Murray-Smith, Talk, Second Dynamics and Interaction Workshop at University of Glasgow, Glasgow, Scotland, August 2005
 19. *Tilt-Controlled Fisheye View for Mobile Devices*, **Parisa Eslambolchilar**, Andrew Ramsay, John Williamson & Rod Murray-Smith, Poster, 2ND joint Workshop in Multimodal Interaction and Related Machine Learning Algorithms, Royal College of Physicians, Edinburgh, UK, July 2005
 20. *Multimodal Feedback for Tilt Controlled Speed-Dependent Automatic Zooming*, **Parisa Eslambolchilar**, John Williamson & Rod Murray-Smith, Poster presentation, User Interface Software Technology, UIST'04, Santa Fe, NM, USA, November 2004
 21. *Tilt-Based Automatic Zooming and Scaling in Mobile Devices-A State-Space Implementation*, **Parisa Eslambolchilar** & Rod Murray-Smith, Presentation, Presentation, Mobile HCI 2004 conference, The University of Strathclyde in Glasgow, Scotland, September 2004
 22. *Continuous Interaction with Small Screen Devices*, **Parisa Eslambolchilar** & Rod Murray-Smith, First year viva, Hamilton Institute, NUIM, Ireland, September 2004
 23. *Gesture Recognition*, **Parisa Eslambolchilar**, Invited lecture, 3rd year undergraduate AI course, Department of Computer Science, NUIM, Ireland, May 2004
 24. *Gestural Interaction with Mobile Devices*, **Parisa Eslambolchilar** & Rod Murray-Smith, Presentation, First Dynamics and Interaction Workshop, Hamilton Institute, NUIM, Ireland, February 2004
 25. *Model-based Target Sonification*, **Parisa Eslambolchilar**, Andrew Crossan and Rod Murray-Smith, Presentation, International Workshop on Interactive Sonification (Human Interaction with Auditory Displays), A. Hunt, T. Hermann (Eds.), Bielefeld University, January 2004
 26. *Probability Based Multimodal Feedback for Gesturing Systems*, **Parisa Eslambolchilar**, Andrew Crossan, John Williamson, and Rod Murray-Smith, Poster, European Union RTN Summer School on Multi-Agent Control (MAC) workshop, NUI Maynooth, Sept. 8th – 10th 2003
 27. *FMOD Music and Sound Effect System*, **Parisa Eslambolchilar**, Introductory Talk, Hamilton Institute, NUI Maynooth, October 2003
 28. *MSc final seminar*, **Parisa Eslambolchilar**, Speech Recognition, Presentation, Faculty of Engineering, Electrical and Computing Engineering Dept. March 2002