

## MARK GAVED RESEARCH CV (JANUARY 2014)

### 1 Tertiary/Higher Education

PhD, Knowledge Media Institute, The Open University (Dec. 2011)  
(Thesis: *An investigation into grassroots initiated networked communities as a means of addressing the digital divide* under the supervision of Dr. Paul Mulholland and Dr. Zdenek Zdrahal)  
MA (Interactive Multimedia), The Royal College of Art / London College of Printing (1995)  
BA (Hons.) Librarianship and Information Studies, Newcastle Upon Tyne Polytechnic (1988)

### 2 Appointments and experience

Aug. 2012 – Present: Research Associate (*fixed term*), MASELTOV project, The Open University  
Apr. 2011 - Aug. 2012: Research Associate (*fixed term*), xDelia project, The Open University  
Sep. 2010 – Mar. 2011: Project Officer (*fixed term*), Vital, The Open University  
2007 – 2010: Research Fellow (*fixed term*), Personal Inquiry project, The Open University  
June - July 2007: Research Assistant (*fixed term, part time*), Schome Project, The Open University  
Mar. - May 2007: Research Assistant (*fixed term, part time*), Schome Project, The Open University  
Dec. 2006 - Jan. 2006: Consultant (*fixed term, part time*), Aspire Project, The Open University  
Jan - Mar 2006: Consultant writer (*fixed term, part time*), Chimera Project, University of Essex  
Jan - June 2004: Consultant web developer (*fixed term, part time*), Research School, The Open University  
2002-2003: eLearning developer, School of Oriental and African Studies, London  
2000-2002: Director, CorD Limited (web design company), London  
1996-1999: Research Fellow (*fixed term*), London College of Printing  
1993-1994: Peripatetic Librarian, Lothian Region School Library Services  
1992-1993: School Librarian (*fixed term*), Gorebridge High School, Lothian Region  
1991-1992: Assistant Community Librarian (*fixed term*), Lothian Region School Library Services  
1989-1990: Assistant Community Librarian, Chiswick Public Library

### 3 Contributions to teaching and student support

#### Organisational responsibilities

SXR 339 Ancient Mountains, 10 point Residential School

Date: August 2008

Responsibilities: Coordination of Enabling Remote Activity (ERA) system to support mobility impaired student's participation alongside peers, working with tutors, course manager and student.

SXR 339 Ancient Mountains, 10 point Residential School

Date: August 2006

Responsibilities: Coordination of Enabling Remote Activity (ERA) system to support mobility impaired student's participation alongside peers, working with tutors, course manager and student.

## **Contributions to teaching methods and student support**

*U501 Doing Postgraduate Research, 2013-2014*

Nature of contribution: Appointed to team leading and presenting “Conference Presentations” workshops. Two sessions to be held in 2014 with OU postgraduate students on campus

*SXR 369 Environmental change: the record in the rocks, 10 point Residential School, 2009*

Nature of contribution: Evolving Enabling Remote Activity (ERA) system to support mobility impaired student’s participation alongside peers, working with tutors and course manager. Exploration of pedagogical challenges with tutors.

*SXR 339 Ancient Mountains, 10 point Residential School, 2008*

Nature of contribution: Evolving Enabling Remote Activity (ERA) system to support mobility impaired student’s participation alongside peers, working with tutors and course manager.

*SXR 339 Ancient Mountains, 10 point Residential School, 2006*

Nature of contribution: Evolving Enabling Remote Activity (ERA) system to support mobility impaired student’s participation alongside peers, working with tutors and course manager.

## **Contributions to teaching methods and materials at previous institutions**

- 2002-2003: Development of eLearning teaching methodologies on Master’s level distance business courses at School of Oriental and African Studies.
- 1997-99: Taught and wrote modules for web programming on MA (Interactive Multimedia), London College of Printing
- 1996- 1999: Development of eLearning teaching methodologies and web design course content materials for EU funded KAMP project, London College of Printing
- 1995-96: Tutor in web design, Royal College of Art

## **4 Research and scholarship**

- Aug. 2012 Research Associate MASELTOV project  
– Present: Major tasks:  
-Development of incidental learning framework  
-Identification and recommendation of progress and feedback indicators suitable for informal, mobile, incidental learning environment presented via mobile phone  
- Day to day management of partners in “Persuasive Learning Services” work package, coordination and writing of associated work package deliverables  
- input to associated work packages, providing input on learning and pedagogical aspects  
- Dissemination and presentation of results at conferences, OU events, writing publications
- Apr. 2011 Research Associate xDelia project  
- Aug. 2012: Major tasks:

- Coordination of software developers to ensure fit-for-purpose software
- Successful installation, configuration and running of project software during field trials
- Documentation of project software
- Writing up project deliverables

2007 Research Fellow Personal Inquiry project

– 2010: Major tasks:

- Development of nQuire software (contributing researcher)
- Liaison with school teachers and students for software development and running field trials
- Management of Milton Keynes based field trials (4 teachers, 300 + students)
- Presentation and publication of results

2009: JISC Rapid Innovation grant to Enabling Remote Activity (ERA) project : £22K (contributing researcher in team, part of bid writing team)

2009: JANET “Portable VoWLAN” programme award to ERA: £10K (named researcher in team, part of bid writing team)

2008: Handheld Learning conference Award for Innovation for ERA (contributing researcher in team)

2008: HEFCE sponsored Open University Teaching Award for Enabling Remote Activity project (contributing researcher in team)

2007: JISC TechDis Award for Enabling Remote Activity (contributing researcher in team)

## 5 Postgraduate student supervision

2013: Additional reader support for Koula Charitonos’ PhD thesis (IET)

2011-2013: PhD co-supervision: Rean van der Merwe (Open University, Maths and Computing)  
Title: *Hyperlocal online deliberation and civic governance: a socio-technical perspective*. Completion June 2013.

## 6 External academic activities

2008: Presentation of PhD research to governmental Special Advisors, Whitehall, London – hosted by UK Government’s Social Exclusion Task Force.

2006, 2007: Local coordination and web support for Community Informatics Research Network conference, Prato, Italy.

*Journal and conference reviewing:* IDGEI (2014), ACM DIS (2012), Journal of Community Informatics (2011- 2012), Journal of Interactive Media in Education (2011), AI and Society (2011-2012), CHI 2011 Workshop on Personal Informatics & HCI, CIRN Prato (2007-2010), OZCHI 2010, ALT-J (Research in Learning Technology), JCAL (Journal of Computer Assisted Learning)

## 7 Publications

### (a) Chapters in books

Scanlon, E. and Gaved, M. (2011). Personal Inquiry Project: progress with Open University trials. In: Traxler, J. and Wishart, J. (Eds.) *Making Mobile Learning Work: Case Studies of Practice. Discussion in Education*. Bristol: ESCalate, pp. 29–35. ISBN: 978-1-907207-30-3

Collins, T.; Mulholland, P. and Gaved, M. (2011). Scripting personal inquiry In: Littleton, K., Scanlon, E. and Sharples, M. (Eds.), *Orchestrating Inquiry Learning*. Abingdon: Routledge, pp. 87–104. ISBN: 978-0-415-60113-9

Gaved, M. and Mulholland, P. (2008) Pioneers, subcultures and cooperatives: the grassroots augmentation of urban places. In Aurigi, A, and De Cindio, F. (Eds.), *Augmented Urban Spaces: Articulating the Physical and Electronic City: Design and the Built Environment*. Farnham, UK: Ashgate Publishing, pp. 171–184. ISBN 9780754671497

Gaved, M. and Foth, M. (2006). More than wires, pipes and ducts: Some lessons from grassroots networked communities and master-planned neighbourhoods. In: Meersman, R.; Zahir, T. and Herrero, P. (eds.) *On the Move to Meaningful Internet Systems 2006: OTM 2006 Workshops. Lecture Notes in Computer Science, 4277*. Berlin: Springer, pp. 171–180. ISBN: 3-540-48273-3

Gaved, M. and Mulholland, P. (2005) Ubiquity from the bottom up: Grassroots initiated networked communities. In Consalvo, M. and O’Riordan, K. (Eds.), *Internet Research Annual: Selected Papers from the Association of Internet Researchers Conference 2004*. Digital Formations, 3 (32). New York: Peter Lang. ISBN 0-8204-7856-3

## **(b) Journal articles**

Refereed:

FitzGerald, E.; Ferguson, R.; Adams, A.; Gaved, M.; Mor, Y. and Thomas, R. (2013). Augmented reality and mobile learning: the state of the art. *International Journal of Mobile and Blended Learning*, 5(4) ISSN: 1941-8647

Jones, A.; Scanlon, E.; Gaved, M.; Blake, C.; Collins, T.; Clough, G.; Kerawalla, L.; Littleton, K.; Mulholland, P.; Petrou, M. and Twiner, A. (2013). Challenges in personalisation: supporting mobile science inquiry learning across contexts. *Research and Practice in Technology Enhanced Learning*, 8(1) pp. 21–42. ISSN: 1793-2068

Gaved, M., Jones, A., Kukulska-Hulme, A., and Scanlon, E. (2012, actual publication January 2013). *A citizen-centred approach to education in the smart city: incidental language learning for supporting the inclusion of recent migrants*. Special issue of the International Journal of Digital Literacy and Digital Competency. ISSN 1947-3494

Mulholland, P.; Anastopoulou, S.; Collins, T.; Feisst, M.; Gaved, Mark; Kerawalla, L.; Paxton, M.; Scanlon, E.; Sharples, M. and Wright, M. (2012). nQuire: technological support for personal inquiry learning. *IEEE Transactions on Learning Technologies*, 5(2), pp. 157–169. ISSN: 1939-1382

Kerawalla, L.; Littleton, K.; Scanlon, E.; Collins, T.; Gaved, M.; Mulholland, P.; Jones, A.; Clough, G., and Blake, C. (2012). Doing geography: a multimodal analysis of students' situated improvisational interpretation during fieldtrips. *Learning, Culture and Social Interaction*, 1(2), pp. 78–89. ISSN: 210-6561

Kerawalla, L.; Littleton, K.; Scanlon, E.; Jones, A.; Gaved, M.; Collins, T.; Mulholland, P.; Blake, C.; Clough, G.; Conole, G. and Petrou, M. (2011). Personal inquiry learning trajectories in geography: technological support across contexts. Interactive Learning Environments iFirst. ISSN: 1744-5191

Gaved, M.; Collins, T.; Mulholland, P.; Kerawalla, L.; Jones, A.; Scanlon, E.; Littleton, K.; Blake, C.; Petrou, M.; Clough, G. and Twiner, A. (2010). Using netbooks to support mobile learners' investigations across activities and places. Open Learning: The Journal of Open and Distance Learning, 25(3), pp. 187–200. ISSN: 1469-9958 (contribution: 70%)

Gaved, M. and Mulholland, P. (2010). Networking communities from the bottom up: grassroots approaches to overcoming the digital divide. AI & Society, 25(3), pp. 345–357. ISSN: 1435-5655

Selley, G. and Gaved, M. (1998). Development of the design information centre: Multimedia Assets for Industrial Design (MAID). Computer Networks and ISDN Systems, 30(13), pp. 1209–1222. ISSN: 0169-7552

### (c) Conference contributions

Scanlon, E.; Gaved, M., Kukulska-Hulme, A.; Jones, A. (2014, submitted). Representations of an incidental learning framework to support mobile learning. *10<sup>th</sup> International Conference on Mobile Learning, 2014*, 28 Feb- 2 March, Madrid, Spain.

Dunwell, I.; Petridis, P.; Lameris, P.; Gaved, M. (2013, submitted). Assessing the reach and impact of game-based learning approaches to cultural competency. *Second International Workshop on Intelligent Digital Games for Empowerment and Inclusion*, 24 February 2014, Haifa, Israel.

Paletta, L.; Dunwell, I.; Gaved, M.; Bobeth, J.; Efremidis, S.; Luley, P.; Kukulska-Hulme, A.; de Freitas, S.; Lameris, P. and Deutsch, S. (2013). Advances in the MASELTOV Game - Mobile Assistance for Social Inclusion and Empowerment of Immigrants with Persuasive Learning Technologies and Social Network Services. In: *10th International Conference on Advances in Computer Entertainment (ACE 2013), November 12-15, 2013.*, 12-15 November, 2013, Enschede, Netherlands, Springer, pp. 440–455.

Gaved, M.; Kukulska-Hulme, A.; Jones, A.; Scanlon, E.; Dunwell, I.; Lameris, P. and Akiki, O. (2013). Creating coherent incidental learning journeys on mobile devices through feedback and progress indicators. In: *12th World Conference on Mobile and Contextual Learning (mLearn 2013)*, 22-24 October 2013, Doha, Qatar, QScience.com.

Dunwell, I.; Lameris, P.; Stewart, C.; Petridis, P.; Arnab, S.; Hendrix, M.; de Freitas, S.; Gaved, M.; Schuller, B. and Paletta, L. (2013). Developing a digital game to support cultural learning amongst immigrants. In: *First International Workshop on Intelligent Digital Games for Empowerment and Inclusion*, 14 May 2013, Chania, Crete.

Kukulska-Hulme, A.; Gaved, M.; Brasher, A.; Jones, A.; Scanlon, E. and Paletta, L. (2012). Designing for inclusion through incidental language learning. In: *ICT for Language Learning (5th Edition)*, 15-16 November 2012, Florence, Italy ISBN: 978-88-6292-309-5.

FitzGerald, E.; Adams, A.; Ferguson, R.; Gaved, M.; Mor, Y. and Thomas, R. (2012). Augmented reality and mobile learning: the state of the art. In: 11th World Conference on Mobile and Contextual Learning (mLearn 2012), 16-18 Oct 2012, Helsinki, Finland.

Sharples, M.; Collins, T.; Feißt, M.; Gaved, M.; Mulholland, P.; Paxton, M. and Wright, M. (2011). A "laboratory of knowledge-making" for personal inquiry learning. In: 15th International Conference, AIED 2011, 28 June - 01 July 2011, Auckland, New Zealand.

Gaved, M.; Mulholland, P.; Kerawalla, L.; Collins, T. and Scanlon, E. (2010). More notspots than hotspots: strategies for undertaking networked learning in the real world. In: mLearn 2010 9th World Conference on Mobile and Contextual Learning, 20 - 22 October 2010, Valetta, Malta. (contribution 75%)

Collins, T.; Gaved, M. and Lea, J. (2010). Remote fieldwork: using portable wireless networks and backhaul links to participate remotely in fieldwork. In: The Proceedings of the 9th World Conference on Mobile and Contextual Learning (mlearn 2010), 19-22 October 2010, Valletta, Malta.

Mulholland, P.; Collins, T. and Gaved, M. (2010). nQuire: a customizable toolkit for inquiry learning across school, home and field trip locations. In: 9th World Conference on Mobile and Contextual Learning (mlearn 2010), 19-22 Oct 2010, Valletta, Malta. (contribution 15%)

Scanlon, E.; Kerawalla, L.; Twiner, A.; Mulholland, P.; Collins, T.; Jones, A.; Gaved, M.; Littleton, K.; Blake, C. and Conole, G. (2010). Personal Inquiry: scripting support for inquiry learning by participatory design. In: Computer-Based Learning in Science, 7-10 Jul 2010, Warsaw, Poland.

Scanlon, E.; Kerawalla, L.; Gaved, M.; Jones, A.; Collins, T.; Mulholland, P.; Blake, C.; Petrou, M. and Littleton, K. (2010). The challenge of supporting networked personal inquiry learning across contexts. In: The 7th International Conference on Networked Learning 2010, 3-4 May 2010, Aalborg, Denmark. (contribution 10%)

Kerawalla, L.; Scanlon, E.; Jones, A.; Littleton, K.; Mulholland, P.; Collins, T.; Twiner, A.; Clough, G.; Blake, C.; Petrou, M.; Conole, G. and Gaved, M. (2010). Being a Geographer: the role of mobile, scripted inquiry in mediating embodied meaning-making during Geography fieldtrips. In: 9th World Conference on Mobile and Contextual Learning (mlearn 2010), 19-22 Oct 2010, Valletta, Malta.

Davies, S.; Collins, T.; Gaved, M.; Bartlett, J.; Valentine, C. and McCann, L. (2010). Enabling remote activity: using mobile technology for remote participation in geoscience fieldwork. In: Proc. European Geosciences Union General Assembly 2010 (EGU 2010), 02-07 May 2010, Vienna, Austria.

Kerawalla, L.; Scanlon, E.; Twiner, A.; Jones, A.; Littleton, K. and Gaved, M. (2009). Technological mediation of personal inquiry in UK GCSE geography: opportunities and challenges. In: CAL09 - Learning in Digital Worlds, 23-25 March 2009, Brighton, UK.

Kerawalla, L.; Scanlon, E.; Jones, A.; Collins, T.; Conole, G.; Littleton, K.; Mulholland, P.; Twiner, A.; Tosunoglu Blake, C. and Gaved, M. (2009). Characterising participation trajectories and the negotiation of personalised inquiry learning in the secondary school geography classroom. In: British Educational Research Association, September 2009, Manchester, UK.

Kerawalla, L.; Scanlon, E.; Twiner, A.; Jones, A.; Littleton, K.; Conole, G.; Mulholland, P.; Collins, T.; Blake, C.; Clough, G. and Gaved, M. (2009). Technological mediation of personal inquiry in UK GCSE

geography: opportunities and challenges. In: CAL09 - Learning in Digital Worlds, 23-25 March 2009, Brighton, UK.

Collins, T.; Gaved, M.; Mulholland, P.; Kerawalla, L.; Twiner, A.; Scanlon, E.; Jones, A.; Littleton, K.; Conole, G. and Blake, C. (2008). Supporting location-based inquiry learning across school, field and home contexts. In: Proceedings of the MLearn 2008 Conference, 7 - 10 Oct 2008, Ironbridge Gorge, Shropshire, UK. ISBN 9780956027207

Gaved, M.; Collins, T.; Bartlett, J.; Davies, S.; Valentine, C.; McCann, L. and Wright, M. (2008). ERA: On-the-fly networking for collaborative geology fieldwork. In: Proceedings of mLearn, 8-10 October 2008, Wolverhampton, UK. ISBN 9780956027207

Scanlon, E.; Jones, A.; Collins, T.; Conole, G.; Gaved, M.; Kerawalla, L.; Littleton, K.; Mulholland, P.; Twiner, A. and Blake, C. (2008). Investigating personal inquiry: An activity theory approach. In: Proceedings of mLearn, 8-10 October 2008, Wolverhampton, UK.

Mulholland, P.; Gaved, M.; Collins, T.; Zdrahal, Z. and Heath, T. (2006). Using ICT to support public and private community memories: case studies and lessons learned. In: Proceedings: 3rd Prato International Community Informatics Conference (CIRN 2006): Constructing and Sharing Memory, October 9-11, 2006, Monash Centre, Prato, Italy.

Gaved, M.; Heath, T. and Eisenstadt, M. (2006). Wikis of Locality: Insights from the Open Guides. In: ACM 2006 International Symposium on Wikis: WikiSym '06, 21-23 August 2006, Odense, Denmark. pp. 119-126. ISBN:1-59593-413-8

Gaved, M. and Mulholland, P. (2005). Grassroots initiated networked communities: A study of hybrid physical/virtual communities. In: 38th Annual Hawaii International Conference on System Sciences, 3-6 Jan 2005, Big Island, Hawaii, USA. pp. 1541-1672

Gaved, M. and Mulholland, P. (2004). Grassroots initiated networked communities: a viable method of overcoming multiple digital inequalities within communities of locality? In: Building & Bridging Community Networks: Knowledge, Innovation & Diversity through Communication, 31 Mar - 2 Apr 2004, Brighton, UK.

#### **(d) All other works**

Gaved, M.; Jones, A.; Kukulska-Hulme, A.; Scanlon, E.; Jones, J.; Matas, J.; Neumann, L. (2013). MASELTOV Deliverable report D7.5.1 Mobile situated language learning. MASELTOV Consortium, Graz, Austria

Gaved, M.; Jones, A.; Kukulska-Hulme, A.; Scanlon, E.; Jones, J.; Lamas, P. (2013). MASELTOV Deliverable report D7.2 Feedback and progress indicators. MASELTOV Consortium, Graz, Austria

Gaved, M. ; Kukulska-Hulme, A.; Scanlon, E.; Jones, A.; Jones, J.; Dunwell, I.; Lamas, P. (2013). MASELTOV Deliverable report D7.1.2 Incidental learning framework. MASELTOV Consortium, Graz, Austria

Sharples, M., McAndrew, P., Weller, M., Ferguson, R., FitzGerald, E., Hirst, T., and Gaved, M. (2013). Innovating Pedagogy 2013: Open University Innovation Report 2. Milton Keynes: The Open University.

Brasher, A.; Dunwell, I.; Akiki, O.; Gaved, M. (2012). MASELTOV Deliverable report D7.1.1 Incidental learning framework. MASELTOV Consortium, Graz, Austria

Fenton-O'Creevy, M.; Gaved, M.; Astor, P.; Cederholm, H.; Davies, G.; Eriksson, J.; Jercic, P.; Lins, J. T.; van Overveld, M.; Schaaff, K. and Smidts, A. (2012). xDelia: D18-2.4.2 Learning Intervention Package - Development and Evaluation (Year 3). xDelia Consortium, Milton Keynes, UK.

Peffer, G.; Fenton-O'Creevy, M.; Adam, M.; Astor, P.; Cederholm, H.; Clough, G.; Conole, G.; Davies, G.; Eriksson, J.; Gaved, M.; Heuer, S.; Jercic, P.; Lindley, C.; Lins, J. T.; van Overveld, M.; Scanlon, E.; Schaaff, K. and Smidts, A. (2012). xDelia: emotion-centred financial decision making and learning (final report). xDelia Consortium, Milton Keynes, UK.

Sharples, M., McAndrew, P., Weller, M., Ferguson, R., FitzGerald, E., Hirst, T., Mor, Y., Gaved, M. and Whitelock, D. (2012). Innovating Pedagogy 2012: Open University Innovation Report 1. Milton Keynes: The Open University.

Gaved, M. (2011). An investigation into grassroots initiated networked communities as a means of addressing the digital divide. [PhD Thesis]

Gillen, J.; Twining, P.; Ferguson, R.; Butters, O.; Clough, G.; Gaved, M.; Peachey, A.; Seamans, D. and Sheehy, K. (2009). A learning community for teens on a virtual island - The Schome Park Teen Second Life Pilot project. eLearning Papers, 2009(15), [www.elearningpapers.eu](http://www.elearningpapers.eu). ISSN: 1887-1542

Anderson, B.; Dries, J.; Gaved, M.; Heres, J.; Mooy, R.; Stoneman, P. and Thomas, F. (2006). SOCQUIT Project: D11: Detailed Results of Modelling and Analysis SOCQUIT Project Deliverable (Final Results of Modelling and Analysis). European Commission: SOCQUIT Consortium. (contribution: 10%)

Anderson, B. and Gaved, M. (2006) 'Local ICT initiatives: Social capital engineering?' Presentation at an ESRC/NCVO Seminar on ICT, Social Capital and Voluntary Action, October 5th, NCVO, London, UK

Gaved, M. and Anderson, B. (2006). The impact of local ICT initiatives on social capital and quality of life. University of Essex, Ipswich.