**Giasemi Vavoula** is an RCUK Academic Fellow in Learning and Visitor Studies at the Department of Museum Studies, University of Leicester, UK. She has a background in Computer Science (BSc) and Human-Centred Computer Systems (MSc), while her doctoral research at the University of Birmingham, UK, focused on the design of personal lifelong learning organisers. She has been researching and publishing in the area of mobile learning since 1998, while working on a number of projects including KLeOS (PhD project), MOBIlearn (EU), MELISA (EU), and Myartspace (Department for Culture Media and Sport, UK). Her research interests presently focus on technology-enhanced museum learning; tools and methods for mobile and informal learning research; and the impact of personal and cultural context on learning in informal settings.

**Norbert Pachler** is Reader in Education and Co-Director of the Centre for Excellence in Work-based Learning for Education Professionals at the Institute of Education, University of London. His research interests include the application of new technologies in teaching and learning, teacher education and development, and all aspects of foreign language teaching and learning. Since 2007 he is the convenor of the London Mobile Learning Group (http://www.londonmobilelearning.net) which brings together an international, interdisciplinary group of researchers from the fields of cultural studies, sociology, semiotics, pedagogy and educational technology. The group is working on a theoretical and conceptual framework for mobile learning around the notion of cultural ecology. He has (co)organised a number of research symposia in the field of mobile learning and in 2007 he edited a book on '*Mobile learning: towards a research agenda*' available through the WLE website.

**Agnes Kukulska-Hulme** is Professor of Learning Technology and Communication in The UK Open University's Institute of Educational Technology. She has been researching mobile learning since 2001 and has led several research projects investigating mobile learning innovation at the OU and across the UK. Her research is conducted with adult learners, often in the context of distance education. She has published widely on learner-driven innovation, mobile usability, issues of staff development, and the evolution and future of mobile assisted language learning. Agnes's original discipline background is in foreign language teaching and translation, and from this linguistic perspective she has a long standing research interest in effective communication supported by technology.

**wle**
Work-based learning for education professionals
**A Centre for Excellence at the Institute of Education**
**www.wlecentre.ac.uk**

# Researching
# Mobile
# Learning
**Frameworks, methods and research designs**

Edited by: Giasemi Vavoula, Norbert Pachler, Agnes Kukulska-Hulme

**The book will be published by Peter Lang (Oxford) in early 2009**
**To purchase this publication, visit www.peterlang.com**

Mobile learning is an emerging field with a developing research agenda and many questions surrounding the suitability of traditional research methods to investigate and evaluate the new learning experiences associated with mobility and support for increasingly informal learning. Researching Mobile Learning sets out the issues and requirements for mobile learning research, and presents recent efforts to specify appropriate theoretical frameworks, methods and research designs.

Through their accounts of particular mobile learning projects, leading researchers in the field present their experiences and approaches to key aspects of mobile learning research such as data capture and analysis, research ethics, and research partnerships, and offer structured guidance and suggestions on adopting and extending these approaches.

## Part I: Introduction

*Research methods in mobile and informal learning:*
*some issues*
Norbert Pachler (UK)

*Methods for evaluating mobile learning*
Mike Sharples (UK)

*Basic research on lifelong learning: recent survey findings and reflections on 'capturing' informal learning*
David Livingstone (Canada)

## Part II: Frameworks

*In the workplace: learning as Articulation Work, and doing Articulation Work to understand learning*
Phillip Kent (UK)

*'I don't really see it': whither case-based approaches to understanding off-site and on-campus mobile learning?*
Norbert Pachler, John Cook, Claire Bradley (UK)

*Using Activity-Oriented Design Methods (AODM)  to investigate mobile learning*
Daisy Mwanza-Simwami (UK)

*Exploring novel learning practices through co-designing mobile games*
Daniel Spikol (Sweden)

*The Fleeting, the Situated and the Mundane: ethnographic approaches to mobile language learning (MALL)*
Cristina Ros i Solé (UK)

*Mobile learning evaluation - the*

*challenge of mobile societies*
John Traxler (UK)

## Part III: Methods

*Researching informal and mobile learning: leveraging the right resources*
Mark van't Hooft (USA)

*The case for MobileHCI and Mobile Design Research Methods in mobile and informal learning contexts*
Mark A.M. Kramer (Austria)

*In-sights into mobile learning: an exploration of mobile eye tracking for learning in museums*
Eva Mayr, Kristin Knipfer, Daniel Wessel (Austria, Germany)

*Using Personal Meaning Mapping to gather data on school visits*
Anthony Lelliott (South Africa)

*Generic Learning Outcomes: a conceptual framework for researching learning in informal learning environments*
Jocelyn Dodd (UK)

*Using automatic logging to collect information on mobile device usage for learning*
Jon Trinder, Scott Roy, Jane Magill (UK)

## Part IV: Research Designs

*Mobile Enabled Research*
Chris Dearnley, Stuart Walker (UK)

*Research 2.0: how do we know about the users that do not tell us anything?*
Patrick McAndrew, Steve Godwin, Andreia Santos (UK)

*Newbies and Design Research: approaches to designing a learning environment using mobile and social technologies*
Palmyre Pierroux (Norway)

*Are they doing what they think they're doing? Tracking and triangulating students' learning activities and self reports*
Esra Wali, Martin Oliver, Niall Winters (UK)

## Part V: Way Forward

*Issues and requirements for mobile learning research*
Giasemi Vavoula (UK)

*Conclusions: Future directions in researching mobile learning*
Agnes Kukulska-Hulme (UK)