About the Contributors

Wan Ng (Ph.D.) is Professor in Technology Enhanced Teaching and Learning & Science Education in the School of Education at the University of New South Wales, Australia. Her major research interest is in the use of ICT, including Web 2.0 and mobile technologies, in education. Wan has published widely in the areas of science education, gifted education, online learning at both school and tertiary levels and the use of mobile technologies for learning. Wan has co-ordinated several nationally-funded science and technology initiatives and works extensively with primary and secondary science teachers in professional learning courses.

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Stamatina Anastopoulou holds a Ph.D. in the area of Learning Technologies, a M.Sc. in Cognitive Science and a B.Sc. in Industrial Management. She is currently a Research Fellow at the Learning Sciences Research Institute, University of Nottingham, UK. She has participated in research projects funded by the European Union, EPSRC and the Greek Ministry of Education and published several papers in international journals and conferences. Her research interests lie in science education and pupils attitudes to learning with technologies. She is currently exploring how mobile technologies can facilitate scientific inquiries within the classroom, the home and beyond.

André H. Caron, a graduate of Harvard University (Ed.D., 1976), is presently Full professor in the Communication Department of the Université de Montréal and Bell Canada Chair in interdisciplinary research on emerging technologies. He is the founding director of the Center for Youth and Media Studies (1987) and of CITÉ (2000) an Interdisciplinary Research Centre on Emerging A specialist in mass media and new technologies, his research interests include broadcasting policy, political and cultural appropriations of media, and the influences of new technologies on society. He has carried out numerous quantitative investigations on the diffusion and adoption by families of interactive technologies available in Canada, the U.S. and in the United Kingdom. Some of his more recent work has been published in the academic journal Convergence and discusses data gathered on the appropriation of “Mobile Culture” in society. He his co-author of a recently published book titled “Moving Cultures : Mobile Communication in everyday life” (2007) by McGill/Queens University Press.

Letizia Caronia (Ph.D.) is senior researcher at the Department of Education, University of Bologna (Italy). She is also Professor of Qualitative Methodologies in Educational Research. She has been a Visiting Researcher at the Centre for Youth and Media Studies, Department of Communication, University of Montréal. She is a member of the editorial board of the international journal “Encyclopaedia”. For
the past 15 years she has carried out research on the role of television and other information and communication technologies in children’s everyday life and in a variety of intercultural communication settings. Her research focuses principally on the use of the media as a situated activity and a cultural practice whose sense and meanings are constructed in and through people’s everyday interactions and conversations. Dr Letizia Caronia has published a number of books, articles and essays on the relationship between everyday language, media uses and educational practices, she has recently co-authored with Dr. A.H. Caron a book titled “Moving Cultures: Mobile Communication in everyday life” (2007) by McGill/Queens University Press.

**Samantha Chenery-Morris** is a Lecturer in Midwifery in the School of Nursing and Midwifery at University Campus Suffolk. Samantha is a Registered Midwife, Registered Sick Children’s Nurse and a Registered General Nurse, and currently practices Midwifery clinically. Samantha lectures across the Midwifery provision, and also takes a role within Interprofessional course at University Campus Suffolk. Sam has published in nursing journals, and has conducted research into online discussion forums and their use within the health curricula. Sam has recently commenced her doctoral studies in Midwifery.

**Loi Peng Chng** is a lecturer in the Faculty of Science and Technology, Open University Malaysia since 2003. He graduated with a Bachelor of Science in Bioindustry in 1999 from University Putra Malaysia (UPM) specializing in microbial technology and bioprocessing. He later obtained his Master of Agricultural Science from UPM specializing in land use and land management. His research interests include the application of mobile phones in teaching and learning, e-learning, carbon sequestration processes and modeling, and pest management.

**Chien-Wen Chuang** is currently a doctoral student in the Department of Information and Learning Technology at National University of Tainan in Taiwan. Her research interests include mobile and ubiquitous learning, web-based learning, and instructional design. The focus domain is social education development, especially in local culture pedagogy.

**Elba del Carmen Valderrama Bahamóndez** is a Ph.D. student at University of Duisburg-Essen, Germany, since 2008. In 2002 she received her B.Sc. degree in Computer Science Engineering from the Technological University of Panama (UTP). From 2003 to 2005 she has worked as an adjunct lecturer in the departments of Computer Programming, and Computing and Simulation of the faculty of Computer Science Engineering at UTP. In the same year, Elba won a DAAD scholarship to study a M.Sc. in Media Informatics in RWTH-Aachen University, Germany, which she finished in 2008. Elba research interests are in the field of ICT for development in particular for learning, mobile learning, user interfaces for mobile devices, user centered design and mobile phones interactive systems.

**Moushir El-Bishouty** is a researcher at the Informatics Research Institute, Mubarak City for Science and Technology, Egypt. He received his B.Sc. and M.Sc. degrees in Computer Science from Alexandria University, Egypt. He obtained his Ph.D. from the Information Science and Intelligent Systems Department, The University of Tokushima, Japan. His research interests include ubiquitous learning, knowledge awareness, software agents and personalization. He received the Best Paper Award at ICALT(IEEE), 2006 and CollabTech(IPSJ), 2008, and International Exchange Research Award from the University of Tokushima, 2009. He also received the Outstanding Contribution Award at ICCE(APSCE), 2008 and EJISST, 2008. Currently, he is a visiting researcher at The University of Tokushima, Japan.
Pascal Gagné is a graduate student in communication at the University of Montreal. Pascal Gagné works presently with the Research Group Language, Organization and Governance (LOG). He has also worked with the Interdisciplinary Research Centre on Emerging Technologies (CITÉ), the Centre for Youth and Media Studies (GRJM) and the Information and Communication Technologies Use and Design Laboratory (LUDTIC). Interested in the rhetoric of the Art in organizational settings, his thesis consists of an ethnographic look at argumentative practices expressed in political controversies about artistic works.

Tim Goodchild is a Senior Lecturer in Health in the School of Nursing and Midwifery at University Campus Suffolk. He is a Registered Nurse and has clinical experiences in acute medicine, head injuries and stroke care. He lectures across the nursing provision, taking a lead role in the support and development of anatomy & physiology teaching. Tim also takes a lead role in the interprofessional course and runs modules in the health foundation degree courses. He also lectures in aspects of educational technology and runs modules at Masters level in educational technology and research methods. Tim has conducted research in the application of educational technology in the Health curricula in various areas. He has presented at several national and international conferences based upon developments in educational technology.

Norlia Goolamally is a senior lecturer in the Faculty of Science and Technology, Open University Malaysia. She graduated with a Bachelor of Science in Education specializing in Mathematics and Chemistry from the University of Malaya in 1981. She obtained her Master in Education specializing in Measurement and Evaluation from the University of Malaya in 1998. She has 22 years of experience as a mathematics and chemistry teacher and has served as an assistant director at the Malaysian Ministry of Education (MOE). She was actively involved in educational policy research and programme evaluation while at the MOE.

Ria Hanewald (Ph.D.) is a Research Fellow in the Graduate School of Education at The University of Melbourne, Australia. Her expertise is in the use of ICT in education at all levels to improve teaching and learning, online teaching and learning, cyber safety and emerging technologies. The current focus of her work is on using digital technologies as tools for research. Dr Hanewald is state councillor for ICT in Education Victoria and editor of the perennial first semester issue of ICT in Education. Her background comprises teaching at early childhood, primary, secondary and tertiary levels in Australia, Europe and Asia. She has presented the findings of her research at conferences, seminars and workshops in Australia, Asia, Europe and America. Dr Hanewald is interested in conducting further research on an international level and can be contacted via her email: r.hanewald@yahoo.com.

John Hedberg (Professor) holds the Millennium Innovations Chair in ICT and Education and is Head of the Department of Education at Macquarie University, Sydney, Australia. He is well known for his research into learning environments that engage students and employ problem-based learning. Professor Hedberg has worked in several countries exploring how interactive and digital media can be employed as part of innovative pedagogies. His current work is on the role of digital technologies in new approaches to discipline knowledge and how the technologies can be employed to represent ideas that cannot be represented in any other ways.
**About the Contributors**

**Gwo-Jen Hwang** is currently Professor of the Department of Information and Learning Technology, as well as Dean of the College of Science and Engineering, at National University of Tainan in Taiwan. He has published nearly 300 academic papers, including over 100 papers in professional journals such as Educational Technology and Society, Innovations in Education and Teaching International, Computers & Education, IEEE Transactions on Education, IEEE Transactions on Systems Man and Cybernetics, IEEE Transactions on Mobile Computing among others.

**Harvinder Kaur Dharam Singh** is an academic staff at Open University Malaysia. Having worked in the open and distance learning institution for the past seven years, Harvinder Kaur has presented and published numerous research papers locally and internationally in the area of e-learning, open and distance learning, lifelong learning and recently, in mobile learning. As well, Harvinder Kaur has published a chapter in an online learning book, and has co-authored a self-learning module which has received the Commonwealth of Learning (COL) Excellence in Distance Education Award for Distance Education Materials. She is also a member of the Malaysia Mobile Learning Society. She can be reached at harvinder@oum.edu.my.

**Ray M. Kekwaletswe** (Ph.D.) is currently a Senior Lecturer of Information Systems at the Tshwane University of Technology, South Africa. Previously, he was the Manager of Multimedia and Digital Computing at the American University, Washington D.C., USA where he attained his B.A., BSc. and the MSc in Computer Information Systems and Technology. He has a Ph.D. in Information Systems from the University of Cape Town. His research areas include ubiquitous mobile computing, context and presence awareness, learning and knowledge technologies and business informatics.

**Katrina Keogh** is an education officer with the National Council for Curriculum and Assessment (NCCA). Her areas of work at NCCA include modern languages at primary level, ICT, English as an additional language and the Mobile-Assisted Language Learning / FÓN project. Katrina has a B.Sc. (Hns.) in Applied Computational Linguistics from Dublin City University, where she specialised in Computer-Assisted Language Learning. Katrina taught German at primary level as a visiting teacher for over five years. She is currently working on her Ph.D. thesis in the area of Intelligent Computer-Assisted Language Learning.

**Cecilie Murray** specialises in learning innovation in the K-12 sector. She is Director of Delphian eLearning, an education consultancy company and App-titude Learning, developing applications for the iPhone/iPod Touch. She is an Australian leader in the use of ICT in education, particularly in relation to emerging technologies and school transformation. She is also well known for her work in mobile learning research, strategic planning, online teaching and digital content development. She was previously Senior Manager of eLearning at the Department of Education and Early Childhood Development, Victoria and at Emagine, the Centre of Excellence in Online Learning for the Department of Education, Tasmania where she established two virtual schools. She managed the first digital content development in Australia for The Learning Federation, and has worked on international projects with the UK, USA, Singapore, Japan and Indonesia. [http://www.delphian.com.au](http://www.delphian.com.au) and [http://www.app-itude.com.au](http://www.app-itude.com.au).

**Howard Nicholas** (Ph.D.) is Senior Lecturer in Language Education at La Trobe University. He has worked with mobile technologies in school contexts to explore the potential of these tools to support creative interactions between students and ways in which new technologies can support students to
gain their own control of knowledge that they engage with. His work with mobile technologies builds on his long interest in the relationship between language, interaction and learning in both children and adults. He has published extensively in the areas of second language acquisition, language teaching and language policy, with a particular focus on relationships between interaction, feedback and views of learning that involve the restructuring of knowledge or behaviour.

Hiroaki Ogata is an Associate Professor in the Department of Information Science and Intelligent Systems, at Tokushima University, Japan. He has been the recipient of numerous Best Papers awards, among which are “Best Paper Award of Japanese Society for Information and Systems in Education (1998), WebNet 99 Top Paper Award (1999), Paper Award of SIG GN, IPSJ (2004), CSCL 2005 Contribution Award (2005), ICALT 2006 Best Paper Award (2006), MULE 2007 Best Paper Award (2007), and CollabTech 2008 Best Paper Award (2008). His research areas cover Computer Supported Ubiquitous Learning and Mobile Learning, CSCL (Computer Supported Collaborative Learning) and Human Computer Interaction.

Albrecht Schmidt is a professor for Pervasive Computing and User Interface Engineering at the University of Duisburg-Essen in Germany. Previously he was head of department at the Fraunhofer Institute for Intelligent Information and Analysis Systems. From 2003 to 2006 he headed the Embedded Interaction Research Group at the University of Munich. Albrecht studied in Ulm, Karlsruhe and Lancaster, where he completed his PhD on the topic “ubiquitous computing – computing in context”. His teaching and research interests are in media informatics and ubiquitous computing, and in particular in the area of user interface engineering. Albrecht enjoys creating new interaction techniques and interfaces technologies for specific environments such as the home or the car. In recent years he has organized several workshops and conferences and served on various committees in the pervasive computing community.

Ju-Ling Shih is currently an Associate Professor of the Department of Information and Learning Technology in National University of Tainan, Taiwan. Dr. Shih earned her Ed.D. in Communication and Education from Teachers College, Columbia University, specializing in distance education and instructional technology. She has two master degrees; Ed.M. in Communication and Education and M.S. in Broadcasting Production from Columbia University and Boston University respectively. Her research interests include instructional design and qualitative research in mobile learning, digital games, and technology-mediated education at various levels and fields. She is involved in several individual and collaborative researches, ranging from extending digital archive use in online education, designing instructional model, and digital system to support qualitative studies in the fields, as well as searching for possible application of mobile devices in natural and social sciences education.

Kathy Stewart lectures in science and environmental education at Macquarie University, Sydney, Australia and researches in the area of mobile learning. Her academic interest is focussed on pedagogies and technologies that support learner inquiry in local environments. Dr Kathy Stewart has significant experience in teaching and researching in learning environments beyond the classroom and has developed a wide range of resources to support the informal learning sector. She has held elected positions on boards of community environmental education centres and organisations and is currently involved with community-led projects to monitor and restore natural environments in urban areas.
**About the Contributors**

**Zoraini Wati Abas** (Ed.D). As a professor at the Faculty of Education and Languages and Director of the Institute of Quality, Research & Innovation (IQRI) at the Open University Malaysia (OUM), Zoraini is entrusted to help the university achieve its vision of becoming a leader of flexible learning as well as to drive research and innovation activities among the academicians. She currently leads the mobile learning project at OUM. She graduated with a Bachelor of Science in Biological Sciences in 1978, specialized in Instructional Technology at the Masters and doctoral levels, graduating with the latter from Northern Illinois University in 1985. She has authored several books and computer dictionaries and published in journals. She was also a weekly columnist in the national newspapers promoting the use and benefits of computers in education and how to benefit from Internet and e-Learning. She has written over 800 articles spanning more than a decade. Today, she actively promotes Learning 2.0.

**Yoneo Yano** is currently a full professor at the Faculty of Engineering, the University of Tokushima, Japan. He received his Ph. D. in communication engineering from Osaka University, Japan, in 1974. He was a visiting Research Associate at the Computer-Based Education Research Lab, University of Illinois, USA. He is the president of APSCE (Asia-Pacific Society for Computers in Education) from 2008. His current interests are in technology enhanced learning and e/u-Learning. He is a member of the IEICE, JSET, JSiSE, AACE and a senior member of IEEE.

**Yuzery Yusoff** is a lecturer in the Faculty of Information Technology and Multimedia Communication, Open University Malaysia and has been a member of the faculty since 2005. He received his B.I.T. degree in Science and Management System and M.I.T degree in Information Science from National University of Malaysia (UKM). Prior to joining the faculty he was a lecturer at University Tun Abdul Razak (UNITAR) from 1998 and a member of Multimedia Unit for the Faculty of Information Technology. His research interests are in the areas of multimedia application development, multimedia programming, mobile learning and open source systems initiatives.