About the Contributors

Hokyoung Ryu holds a master’s degree in industrial engineering from the Korea Advanced Institute of Science and Technology, Korea (1999) and a PhD in psychology from the University of York, U.K. (2004). His current role is as a lecturer in information technology, at Massey University, Auckland, New Zealand. His research interests include human-computer interaction (HCI), mobile usability and mobile learning, publishing more than hundred peer-reviewed articles in conferences, journals, and book chapters. He is currently preparing to edit another mobile learning book tentatively entitled Designing Themes in Mobile Learning. He is also authoring two books, Mobile User Interface Analysis and Design and Affordance Design, and is currently an associate editor of the International Journal of Mobile Learning and Organisation. Dr. Ryu is a member of the British Computer Society’s HCI group and the Centre for Mobile Computing at Massey University.

David Parsons holds an MPhil in electronics and computer science from the University of Southampton, UK (1996) and a PhD in information technology from Nottingham Trent University, UK (1999). He has worked both in the university sector and commercial software development, including academic posts at Southampton Solent University, U.K., and professional roles at The Object People, BEA Systems and Valtech. He is currently a senior lecturer in information technology, at Massey University, Auckland, New Zealand. He has published books on C++ and Java programming and Web application development. His areas of research interest include mobile learning and agile software development. He is currently editor-in-chief of the International Journal of Mobile and Blended Learning, and the Journal of Principles and Applications in Information Science and Technology (PAIST). Dr. Parsons is a professional member of the British Computer Society.

C. Noel Byrd is a doctoral student in the educational psychology program at Virginia Tech. Her academic background includes a bachelor’s degree in nursing, and a master’s degree in education (SPED). Her research interests include conceptions of intelligence, motivation, self-efficacy, and teacher practices.

Carlos Celorio is a researcher and a PhD student of the learning technologies and collaborative systems (LTCS) research group at the National Distance Learning University (UNED), in Madrid, Spain. He has a computer science background and is interested in modeling and implementing computer sup-
ported collaborative learning environments based on a socio-constructivist approach. Currently, he is researching the design of an agent-based platform for supporting students and teachers in formal and informal settings that would be able to configure, personalize, and deploy tools and data for mobile learning scenarios, and dynamically adapt them according to the situated requirements.

**Patrick A. Danaher** is an associate professor (education research) in the faculty of education at the Toowoomba campus of the University of Southern Queensland, Australia. He is the co-author of *Teaching Traveller Children: Maximizing Learning Outcomes* (Trentham Books, 2007) and the sole/co-editor of *Changing University Learning and Teaching: Engaging and Mobilizing Leadership, Quality and Technology* (Post Pressed, in preparation), *Doctrina Perpetua: Brokering Change, Promoting Innovation and Transforming Marginalization in University Learning and Teaching* (Post Pressed, 2006), *Strategic Uncertainties: Ethics, Politics and Risk in Contemporary Educational Research* (Post Pressed, 2004) and *Beyond the Ferris Wheel: Educating Queensland Show Children* (Central Queensland University Press, 1998).

**Dionisios N. Dimakopoulos** has a degree in mechanical engineering and an MSc in e-commerce technologies (distinction). He is currently writing up his PhD at Birkbeck College. He has worked in several projects in industry and academia, involving combinations of Internet and mobile technologies. His research interests include user modeling, usability, semantic Web, application of AI to learning environments and advanced Web-based applications. He is currently the vice president of the Java Hellenic User Group, where his role is to expand the use of Java among beginners, as an easy to use and learn programming language suitable for current development needs. His webpage is at www.dcs.bbk.ac.uk/~dionisis/.

**Peter E. Doolittle** is currently the director of the educational psychology research program in the department of learning sciences and technology at Virginia Tech, Blacksburg, VA. He is also the executive editor of the *International Journal of Teaching and Learning in Higher Education* (IJTLHE). His academic background includes 19 years teaching primary, secondary, undergraduate, and graduate students, in public schools and private schools, using traditional and online formats, across several subject areas including mathematics, computer science, statistics, and educational psychology. His current research focus includes the investigation of learning efficacy in multimedia instructional environments.

**Ana Dzartevska** was born in Macedonia and now lives in New Zealand. She holds an honors degree in information sciences from Massey University, majoring in computer science and information systems. She works as a professional systems developer in Auckland city.

**Franciska Edegger**, born in Bosnia and Herzegovina, studied economics at the Karl-Franzens University in Graz from 2001 to 2004 and graduated as a master of finance with a diploma thesis on the “Business Location Croatia.” She subsequently started a PhD in economics dealing with information systems and their application in learning situations. Supported by the evolaris research lab, Ms. Edegger performed extensive empirical studies on mobile game-based learning and pervasive learning games. The results arising from these research activities also form a core part of her PhD thesis, which she completed in summer 2007 and which is planned to be published by the “Deutscher Universitätsverlag.”
Martha Grabowski is a professor and the director of the information systems program at LeMoyne College in Syracuse, New York and research professor of decision sciences and engineering systems at Rensselaer Polytechnic Institute in Troy, New York. Her research interests include the impact of technology in distributed large-scale systems, human and organizational error, and risk analysis and management in safety-critical settings.

Raj Gururajan is an associate professor in information systems in the faculty of business at the University of Southern Queensland, Australia. His main area of research is user behavior issues in using wireless technology, the management of technology and the diffusion of technology at enterprise level. Currently he is applying these interests to health settings. He has published over 100 refereed articles, won over $1 million in grant income, managed six funded projects and supervised over 10 research students. He is also the leader of the technology management cluster in the faculty of business at the University of Southern Queensland.

Abdul Hafeez-Baig is a lecturer in information systems in the faculty of business at the University of Southern Queensland (USQ), Australia. Since joining USQ in 2004, he has published more than a dozen refereed publications in the domains of health and education with technology as the area of research. He is currently studying for his PhD with Raj Gururajan in establishing factors that determine the adoption of wireless technology in healthcare settings. Abdul is very conversant with wireless technology as well as emerging learning management systems such as Moodle. He teaches information systems concepts to both undergraduate and postgraduate students, including MBA students.

Sid Huff is a professor of information systems and head of the school of information management at Victoria University of Wellington, New Zealand. His research focuses on IS strategy, IT governance, senior management roles in IT, and IT management. He has published extensively in both academic and practitioner journals, and has also written over 50 teaching cases for educational use. His most recent book is Managing IT Professionals in the Internet Age, co-authored with Dr. Pak Yoong. He holds degrees in applied mathematics, electrical engineering and business administration, from Queens University. He received his PhD in information systems from the M.I.T. Sloan School of Management.

Kinshuk is professor and director in the school of computing and information systems at Athabasca University, Canada, since August, 2006. Before moving to Canada, Dr. Kinshuk worked at the German National Research Centre for Information Technology as a postdoctoral fellow, and at Massey University, New Zealand as an associate professor of information systems and director of the Advanced Learning Technology Research Centre. He also holds a Docent position with the University of Joensuu, Finland. He has been involved in large-scale research projects for adaptive and mobile learning environments and by 2007, he had published over 200 research papers in international refereed journals, conferences and book chapters. He is chair of the IEEE Technical Committee on Learning Technology and editor of the SSCI indexed Journal of Educational Technology & Society (ISSN 1436-4522).

Christian Kittl holds masters degrees in telematics from the Technical University of Graz, Austria, and in business administration from Karl-Franzens University, Graz. He worked at the Institute for Innovation Transfer as EU Interreg IIc project coordinator from 1998 to 2000 and then joined the evolaris research lab, the Austrian Competence Centre for Mobile and Electronic Business, where he
is currently head of international programs. Mr. Kittl is a member of the steering committee of the “Mobile Game-Based Learning” project within the European Research Framework Program 6 led by evolaris, and a lecturer at the department of information science and information systems at the Karl-Franzens-University.

**George Kulick** is the MBA director and an associate professor of business in the applied management analysis program at LeMoyne College in Syracuse, New York. His research interests include the use of quantitative methods in pedagogy and statistical methods.

**Arianit Kurti** is a PhD student in computer science with an orientation in Informatics at Växjö University, Sweden. His fields of research include mobile systems, and pervasive and ubiquitous computing, especially in exploring the use of contextual information for designing innovative services and applications in specific domains. His current research focus is on collaborative learning and collaborative knowledge building activities where he explores the role of mobile and positioning technologies to support these processes. He also holds a lecturer position at South East European University in Macedonia and at the University of Prishtina in Kosova.

**Greg Lepak** is a professor of business in the applied management analysis program at LeMoyne College in Syracuse, New York. His research interests include statistical methods, non parametric analysis, and the use of quantitative methods for decision making.

**Emilio Julio Lorenzo** is a teaching assistant and PhD student of the learning technologies and collaborative systems (LTCS) research group at the National Distance Learning University (UNED), in Madrid, Spain. He has a MS degree in computer engineering and his research is related to computer supported collaborative learning in secondary school scenarios, developing tools to gather, store and model information in ubiquitous environments. He is now very interested in modeling the learning products that the students produce in different activities using concept mapping.

**Danielle L. Lusk** is a doctoral student in the educational psychology program at Virginia Tech. She is an associate editor of the *International Journal of Teaching and Learning in Higher Education* (IJTLHE). Her academic background includes bachelor’s and master’s degrees in English. Her research interests include motivation in multimedia environments, conceptions of intelligence, interdisciplinary learning (particularly in STEM fields), and grading anxiety.

**Dr George D. Magoulas** is a reader in the school of computer science and information systems at Birkbeck College, University of London. He has edited two volumes, *Adaptable and Adaptive Hypermedia Systems* (IRM Press, 2005) and *Advances in Web-based Education: Personalized Learning Environments* (Information Science Publishing, 2006), and has published extensively in the area of computational intelligence and adaptive systems. He has received awards from the IEEE (2000), the EUNITE (2001 and 2004) and the IADIS (2006), and has secured research grants from the EPSRC, the AHRC, the ESRC and the JISC, UK. His research interests are in modeling, learning, adaptation and evolution in complex environments with applications in user modeling, sequence processing, adaptive Web-based systems and personalized learning environments. His webpage is at www.dcs.bbk.ac.uk/~gmagoulas.
Gina J. Mariano is currently a graduate student in the educational psychology program in the department of learning sciences and technology at Virginia Tech, Blacksburg, VA. She is an associate editor of the International Journal of Teaching and Learning in Higher Education (IJTLHE). Her academic background includes a bachelor's degree in psychology and gerontology, and a master's degree in counseling psychology. Her research focus includes the investigation of knowledge transfer, knowledge application, working memory, and long-term memory retrieval.

Stephen Marshall is a senior lecturer in educational technology and acting director at the VUW University Teaching Development Centre. Mr. Marshall is a member of the New Zealand Ministry of Education Tertiary E-Learning Reference Group and Chair of the E-Learning Directors of the New Zealand Universities Group. Stephen researches in the areas of e-learning benchmarking, plagiarism and academic integrity, mobile e-learning, intellectual property and that of development of policy and strategy to support and encourage the effective use of technology.

Marta Millán is a secondary school teacher working in the science department at Instituto Diego Vélazquez de Torrelodones, in Madrid, Spain. She has a degree in physics by the Universidad Complutense de Madrid, and has participated in several pedagogical projects about significant learning construction and the use of new technologies in the classroom.

Marcelo Milrad is an associate professor in computer science at the school of mathematics and systems engineering, at Växjö University (VXU), Sweden. His current research interest focuses on the design and development of mobile and wireless applications to support collaborative learning. Dr. Milrad has published numerous articles in international journals, refereed conferences, books and technical reports. He has also been presenting and giving lectures about his work in more than 25 countries worldwide. Recently, he has been serving as a program committee member in a number of international scientific conferences such as CSCL, ICALT, WMTE, ICCE and CELDA. Dr. Milrad is one of the initiators of the IEEE international conference on wireless and mobile technologies in education (WMTE).

Sosuke Miura received his BA from the school of informatics and sciences from Nagoya University in 2003, and a MA from the graduate school of arts and sciences at the University of Tokyo in 2005. Currently, he is a PhD student at the graduate school of frontier sciences, University of Tokyo. His research concern includes user interface, interaction design and computer-supported learning. He is also interested in music, and investigating new interactive technologies for music education.

Hiroaki Ogata is an associate professor in the faculty of engineering at Tokushima University. He received BE, ME, and PhD degrees from the department of information science and intelligent systems from the Tokushima University, Japan, in 1992, 1994, and 1998, respectively. He was a visiting researcher of Center of Lifelong Learning and Design, the University of Colorado at Boulder, USA from 2001 to 2003. His current interests are in computer-supported ubiquitous learning. Also he is a member of IPSJ, JSiSE, IEEE, ACM, and AIED. He received the best paper award from JSiSE in 1998, from WebNet 1999, and from ICALT 2006.

Martin Owen is at present developing unique playful, tangible devices for early learning with his own company Smalti. He is also working as an independent researcher in EU projects in technology.
enhanced learning with particular emphasis on games, mobility and augmented reality. He was until recently the director of learning and head of concept development at Futurelab. At Futurelab he was responsible for the key concepts in the mobile game Savannah and the physics game Racing Academy. Previously he was an academic researcher and teacher trainer at University of Wales, Bangor. He has also been a school teacher.

**Otto Petrovic** is a professor at the University of Graz in the department of information science and information systems, and chairman of the board of directors of evolaris. He is active in numerous projects and technical committees relating to commerce and government in the USA, Germany and Austria. He has held research assignments and visiting professorships in Tucson Arizona, at IBM Maryland, at the University of Central Florida, and at the Technical University of Eindhoven. He is also a member of the task force for “e-austria” under the Federal Ministry of Commerce and Employment and of the “media@kom” advisory committee of the German Ministry of Commerce and Technology.

**Sergio Prades** is a PhD student and a researcher in the learning technologies collaborative systems (LTCS) research group at the National Distance Learning University (UNED), in Madrid, Spain. He has a degree in computer science and is interested in improving the performance and increasing the participation, integration and motivation of the low level students through the use of collaborative learning systems in secondary school scenarios. Currently he works in Web-based collaborative tools for synchronous activities that reuse the learning products previously produced.

**Pamela Ravasio** earned her MSc degrees in computer science (1999) and computer science education (2005), and her PhD in human-computer interaction (2004) from the Swiss Federal Institute of Technology (ETHZ), Zurich, Switzerland. From 2001 to 2005 she was researcher and project manager for the Man-Machine Interaction Group, Institute of Occupational Health and Medicine, ETHZ. She was a visiting researcher with Professor Sugimoto’s Interaction Technology Laboratory from 2005 to 2006. As of mid 2006, she joined Siemens-Asahi Medical Technologies Ltd., Tokyo, Japan as a project manger in the area of hospital information systems (HIS).

**Eusebio Scornavacca** is a senior lecturer in the school of information management at Victoria University of Wellington, New Zealand. Dr. Scornavacca is interested in the business and end-user aspects of mobile and wireless technologies. He has a particular interest on mobility, user acceptance, strategy, quality and organizational/individual impact of mobile systems. Before moving to Wellington, Eusebio spent two years as a researcher at Yokohama National University, Japan. He has published and presented more than 60 papers in conferences and academic journals including ICIS, ECIS, HICSS, Communications of AIS, and Communications of ACM. Dr. Scornavacca is currently on the editorial boards of the International Journal of Mobile Communications, the International Journal of Electronic Finance and he is the editor and founder of first online database dedicated to m-business.

**Yanjie Song** is a PhD student at the division of information technology studies in the faculty of education at the University of Hong Kong. She has been interested in exploring the potential of mobile technologies in education since she pursued her postgraduate study in the UK in the year 2002. She sustains her interest in her current PhD research study, exploring educational uses of PDAs through empirical studies.
Daniel Spikol is a PhD student in computer science with an orientation in informatics at Växjö University (VXU), Sweden. His current research interests include the design of mobile learning environments that explore novel modes of collaboration. He is presently involved in a number of European and national projects exploring how mobile and wireless technologies can be used to support new ways of learning and how these technologies can support groups of learners when they, collectively, share their understanding in these learning environments. Previously he has worked for the Interactive Institute, in Sweden and the LEGO group in Denmark.

Masanori Sugimoto received BEng, MEng, and DrEng degrees from the University of Tokyo, Japan, in 1990, 1992, and 1995, respectively. In 1995, he joined the research and development department at the National Center for Science Information Systems (currently National Institute of Informatics), Tokyo, Japan. He became an associate professor at the Information Technology Center, University of Tokyo, in August 1999. Currently, he is an associate professor in the department of frontier informatics at the graduate school of frontier sciences at the University of Tokyo. He was a visiting scientist in the department of computer science at the University of Colorado, Boulder, USA (from January 1997 to November 1997). His research concern is related to human-computer interaction, especially mixed reality, mobile computing, computer supported collaborative work/learning, intelligent systems, interactive robotics, and so on. Dr. Sugimoto is a member of ACM, IEEE, IEICE, JSAI, IPSJ, VRSJ, JSSE, and JCSS.

Javier Vélez is a computer engineer and currently PhD student working at Universidad Complutense de Madrid as a teaching assistant. His research interests lay in the pedagogical technologies and computer-supported collaborative learning fields. A main part of his on-going PhD work consists in developing a platform to support collaborative learning scenarios and to integrate several external tools within it.

Dr. M. Felisa Verdejo is a professor (computer systems and languages) and head of the learning technologies and collaborative systems (LTCS) research group and the Department Lenguajes y Sistemas Informáticos (LSI) and the at the National Distance Learning University (UNED), in Madrid, Spain. The main research line of her group concerns modeling and principled design of interactive and collaborative learning environments. Learning design specification based on activity theory, knowledge-based methods to support and analyze computer supported collaborative learning, and semantic approaches to create the infrastructure for virtual learning communities are the themes that her research group currently focus on. Mobile learning has been already explored in this context in previous projects, and currently also for primary school settings.

Feng Xie holds an honors degree in information sciences, majoring in computer science, and a masters of information sciences (information systems) from Massey University, New Zealand. His research interests include mobile web application architecture and mobile technologies. He works as a technical professional in the Internet services industry and is currently a resident in Singapore.

Yoneo Yano is currently a professor and also the dean at the faculty of engineering at the Tokushima University, Japan. He received his BE, ME, and PhD degrees in communication engineering from the Osaka University, Japan, in 1969, 1971, and 1974, respectively. He was a visiting research associate at the computer-based education research lab at the University of Illinois, USA. He is a member of the
IPSJ, IEICE, and JSiSE, the JAPAN Society for Educational Technology, AACE, and IEEE. Currently, he is the vice president and the vice editor in chief of JSET.

Chengjiu Yin graduated from the China Jinzhou Normal College Computer Department. He worked as a software engineer for Beijing Automatic Science and Technology Co. Ltd from 2000 to 2002. In 2005, he received his ME degree from the department of information science and intelligent systems from the Tokushima University, Japan. At the moment, he is pursuing his PhD degree in the department of information science and intelligent systems from Tokushima University, Japan. Currently, he is committing himself in mobile learning and ubiquitous computing. He is also a student member of JSiSE and APSCE.