About the Contributors


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**Jennifer Banas** is employed as the dean for the American College of Education in Chicago, IL. She is an Instructional Design and Technology doctoral graduate from Northern Illinois University and is an active member of the Association for Educational Communications and Technology. Jennifer’s research interests lie in motivation based instructional design and technological pedagogical content knowledge instruction for new and practicing teachers.

**Silvia Braidic** serves as an Associate Professor in the Administrative Program for Principals at California University of Pennsylvania. Currently she is teaching online for the Principal’s Program. Previously she served as an Assistant Professor and Coordinator of Graduate and Undergraduate Secondary Education at Duquesne University. Her research interests include instructional strategies/differentiation/online teaching, professional development, and principal/teacher leadership. In addition to her work at the university level, she has experience as a principal and assistant principal in the Mt. Lebanon School District in Pittsburgh, Pennsylvania. She also served as the district’s coordinator for strategic planning. Prior to her work in administration, she taught middle school mathematics. She holds a Doctorate of Education in Administrative and Policy Studies – Educational Administration from the University of Pittsburgh, K-12 Principal Certification from Carnegie Mellon University, M.S.Ed. in Elementary Education and B.S.Ed in Secondary Education – Mathematics from Duquesne University. She can be contacted at braidic@calu.edu.

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**Herbert Brown** is a professor in the business and information technology education program at Appalachian State University in Boone, NC. He has taught computer networking and other information technology courses and served as Director of Technology for over 10 years. He has held teaching and administrative positions at James Madison University, The University of Virginia’s College at Wise, and the University of South Carolina. He holds a Ph.D. in Vocational Education with a cognate in Computer Information Systems from Virginia Tech. His articles have appeared in Information Technology, Learning, and Performance Journal, EDUCAUSE Quarterly, and the NABTE Journal.

**Brian H. Cameron** is Professor of Practice in the College of Information Sciences and Technology at The Pennsylvania State University. He is a founding member of the Enterprise Informatics and Integration Center at Penn State.

**Chuleeporn Changchit** is a Professor of Management Information Systems at Texas A&M University – Corpus Christi. Drawing from experiences working for over five years as a senior consultant in industry, she provides her students with practical and comprehensive instructions, shares ideas and techniques enthusiastically, and enjoys substantial successes as an educator. Dr. Changchit is actively engaged in the scholarly activities. She has published articles in journals such as Decision Support Systems, Information Systems Journal, Expert Systems with Applications, the Journal of Computer Information Systems, and International Journal of Intelligent Systems in Accounting, Finance, and Management. She also serves as an Editor-in-Chief for the Journal of Information Privacy and Security (JIPS), serves as an Associate Editor for Journal of Electronic Commerce in Organization (JECO) and the International Journal of E-Politics (IJEP), and serves on editorial review board for the Information Resources Management Journal (IRMJ), the Journal of Global Information Technology Management (JGITM), and the International Journal of E-Business Research (IJEBR).

**Tena B. Crews** is Professor of Integrated Information Technology and Associate Director of Teaching Technology Excellence for the University of South Carolina Center for Teaching Excellence. She holds a B.S. and M.Ed. from Ball State University of an Ed.D. in Business Education with a concentration in Management Information Systems from the University of Georgia. Her articles have appeared in the Journal of Computer Information Systems; Journal of Information Systems Education; Information Technology, Learning, and Performance Journal; EDUCAUSE Quarterly; and the Journal for Global Business Education. She is the past co-editor of the Journal for Global Business Education.

**Beatrice Gibbons**, Ed.D. is Associate Professor of Organizational Studies in the School of Communications and Information Systems at Robert Morris University in Pittsburgh, PA. Previously, Gibbons served as Department Head of Organizational Studies and Elementary Education at Robert Morris
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Mary A. Hansen is an assistant professor in the School of Education and Social Sciences at Robert Morris University. Dr. Hansen works with pre-service teachers in the areas of curriculum design, instructional methods, assessment, and the importance of teacher reflection in improving classroom instruction and assessment practices. Dr. Hansen’s main research focus is on educational measurement and testing, including design and technical issues related to large-scale test development and classroom assessment practices. Dr. Hansen also serves as a consultant for large and small scale assessment programs, including alternate assessments. She received an M.A. Degree in Statistics, and M.S. and Ph.D. degrees in Research Methodology from the University of Pittsburgh.

Misook Heo, Ph.D., is an Assistant Professor in the Instructional Technology program, Department of Instruction and Leadership in Education within the School of Education at Duquesne University. She earned her M.S. and doctoral degrees in Information Science from the University of Pittsburgh. Her research interests include computer augmented visual support in learning environments, technology integration in teacher education programs, and interactive learning systems in online education. Her teaching interests include design, develop, and implementation of multimedia supported learning systems, interactive instructional systems and courseware, instructional applications of technology, and online education. She served as a Co-Project Director of the grant project, *From Computer Literacy to Computer Science: Increasing Gender Equity in the Science of Computers*, through which the current study was conducted. The grant was sponsored by the American Association of University Women (AAUW). She was responsible for developing the research idea, writing the proposal, and composing reports for the project.

E. Gregory Holdan is an Associate Professor of Mathematics and Education at Robert Morris University. This joint appointment allows him to enjoy working in the fields of both mathematics and education. He is also the coordinator for secondary mathematics teaching certification and teaches on the doctoral faculty. Dr. Holdan came to RMU 10 years ago after teaching mathematics and computer science in Mt. Lebanon School District, near Pittsburgh, PA. Dr. Holdan’s main research interests are associated with learning style and mathematics education. Dr. Holdan received his MA in Mathematics and PhD in Curriculum and Instruction from The Pennsylvania State University.

Kim Johnson Hyatt is the Director of the Graduate Elementary Leading Teacher Program at Duquesne University. Prior to her ten years at Duquesne, Kim served more than twelve years in K-12 schools working in diverse capacities as an instructional leader and teacher. During her tenure in the school system, Kim served on many committees for curriculum development, community service projects, and strategic planning. As an educational consultant for school districts and universities, Kim specializes in teacher leadership, gifted education, literacy education, middle level practices, differenti-
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Pankaj Kamthan has been teaching in academia and industry for several years. He has also been a technical editor, participated in standards development, served on program committees of international conferences, and is on the editorial board of a number of journals including the International Journal of Technology Enhanced Learning and the International Journal of Teaching and Case Studies. His research interests include Conceptual Modeling, Software Quality, and Web Engineering.

Terry T. Kidd is the Director of Instructional Development and Support Services at the University of Texas Health Science Center School of Public Health. He has presented at international conferences on designing technology rich learning environments, web based instruction, and issues dealing with faculty and staff development. His research interests include designing technology-based learning environments, instructional design strategies for web based instruction and socio-cultural aspect of information communication and technology as they relate to social change and community development. He is the final stages of completing the doctoral degree from the Texas A&M University focusing on Educational Technology.

Tim Klaus is an Associate Professor of Management Information Systems at Texas A&M University – Corpus Christi. He earned his PhD (Management Information Systems) from University of South Florida. His primary research interests are User Resistance, ERP implementations, IT personnel, and Web Usage. He has published papers in journals such as Communications of the ACM (CACM), Journal of International Technology (JIT), and European Journal of Information Systems (EJIS). He also is a consultant in the area of IT-enabled change, helping organizations better understand the process of change as well as the impact of user attitudes and behaviors.

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Krassie Petrova is a Senior lecturer at the School of Computing and Mathematical Sciences at the Auckland University of Technology and the academic Programme leader of the Master of Computer and Information Sciences (MCIS). She has over 10 years of international experience of consulting in information systems development and management, and over 15 years of university teaching in information systems, programming, data communications, and networks. At present Krassie is a PhD candidate at Auckland University of Technology. She has published in New Zealand and internationally, including journal papers, conference papers, and book chapters. Her research areas include mobile business services and applications adoption, innovative teaching and learning methods, IS/IT curriculum development and stakeholder alignment, and IS/IT student skills and capabilities building. Krassie serves the global academic community as a reviewer at a number of international conferences, journals and books, as a member of journal editorial and review boards (e.g. IJMBL, IJOPCD), and conference programme committees (e.g. ACIS). Krassie is also the Associate Editor of the New Zealand Bulletin of Applied Computing and Information Technology (BACIT, http://www.naccq.ac.nz/bacit/). See also http://staff.elena.aut.ac.nz/Krassie-Petrova/.

Julie Ray received her Doctor of Philosophy degree from Robert Morris University located in Pittsburgh, Pennsylvania in Instructional Management and Leadership in the spring of 2009. She is currently employed at United States Steel Corporation in the Information Technology Department, where she focuses on communication technologies, such as email, virtual meetings, and project collaboration software, as well as manages global projects and trains users new to the communication technologies used at U. S. Steel. She also teaches various classes on evenings and weekends as an adjunct instructor in the areas of technology and organizational leadership at multiple colleges and universities in the Pittsburgh area. She has a passion for research in the area of online learning and is continuing to pursue that research agenda today.

Nurul I. Sarkar is a Senior Lecturer in the School of Computing and Mathematical Sciences at AUT University, New Zealand. He has more than 15 years of teaching experience in universities at both undergraduate and postgraduate levels and has taught a range of subjects, including computer networking, data communications, computer hardware, and eCommerce. He holds a PhD in Electrical and Electronic Engineering (Field of study: Wireless networks) from The University of Auckland. His first edited book entitled Tools for Teaching Computer Networking and Hardware Concepts has been published by IGI Global Publishing in 2006. Nurul has published more than 80 research papers in international refereed journals, conferences, and book chapters, including the IEEE Transactions on Education, the International Journal of Electrical Engineering Education, the International Journal of Information and Communication Technology Education, the International Journal of Business Data Communications and Networking, Measurement Science & Technology. Nurul’s research interests are in multi-disciplinary areas, including wireless network architecture, wireless MAC and routing protocols, wireless mesh networks, cognitive radios, performance modelling and evaluation of computer networks, radio propagation measurements,
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George Semich, Ed.D. is the co-author and director of the Instructional Management/Leadership Ph.D. program at Robert Morris University. He has chaired the communications department, the teacher education and secondary/graduate education program also at Robert Morris. Semich also serves as an editor for two publishers and publishes primarily in the areas of technology, curriculum, learning theory, and general education topics.

Craig Slatin is an associate professor and chair of the University of Massachusetts Lowell’s Department of Community Health and Sustainability. He is a co-director of the Center for Health Promotion and Research. His research interests focus on the political economy of the work environment and of environmental health. He has written about worker health and safety training programs and healthcare worker health and safety issues. His recent research has addressed health disparities among healthcare workers in hospitals and nursing homes. Dr. Slatin is an editor of New Solutions, a Journal of Environmental and Occupational Health. His book, *Environmental Unions: Labor and the Superfund*, will be published in Fall 2008.

Manjit Singh Sidhu is currently the Head of Graphics and Multimedia, College of Information Technology, University Tenaga Nasional, Malaysia. He received his BSc. (Hons) degree in Computer Science from the University of Wolverhampton, UK in 1997 and Masters in Information Technology from University Putra Malaysia in 2000. He completed his PhD. in Computer Science from University of Malaya in 2006. He is a member of the British Computer Society and a Chartered IT Professional, UK, a member of Institute of Electrical and Electronics Engineers (IEEE), Computers and Communications Society, Malaysian Nasional Computer Confederation (MNCC), and Associate Fellow of the Malaysian Scientific Association (AFMSA). His research interests include user interface design approaches, patterns of interactions in multimedia, virtual reality and augmented reality applications, visualization, computer graphics, and animations.
L. Monique Spradley-Myrick is a Systems Project Analyst for the Florida Fish and Wildlife Conservation Commission where she designs, develops and implements database driven web applications. She is a native of Tallahassee, FL and received her B.S. in Computer and Information Systems from Florida A&M University (1997-2001), her M.S. in Information Studies with a concentration in Information Technology Management from the Florida State University (2005), and has been pursuing a Ph.D. in Educational Psychology and Learning Systems from the Florida State University’s College of Education. Her research interests center on the design and development of educational software that will improve the reading and comprehension skills of African American children, and decreasing inequities in the field of Computer Science. Mrs. Spradley-Myrick has also served as an adjunct in Computer Technology at Tallahassee Community College, and she has held professional positions as a web developer and administrator, database administrator and computer specialist aid. She served as the Co-Project Director of the project and was responsible for project design, activity planning, and analyzing the survey and test data.

Holim Song is an Assistant Professor of Instructional Technology in the College of Education at Texas Southern University. He conducts research in the areas of multimedia integration on online learning environments. His research interests include designing and sequencing of online interactions, instructional strategies for web-based instruction, the impact of multimedia in online education, and designing and integrating multimedia learning objects to enhance instructional quality of face-to-face learning environment. He has a wide range of expertise in education, including secondary education and second language acquisition. He completed the M.Ed degree in Second Language Education and the Ed.D degree in Instructional Technology from the University of Houston.

Eva Erdosne Toth is an Assistant Professor of Science Education at West Virginia University, College of Human Resources of Education, Department of Curriculum and Instruction. Her current research is funded by the National Science Foundation by way of support to the WVnano Initiative, a state-wide technology innovation and educational program. Dr. Toth’s research has explored the application of technology tools for teaching with specific focus on virtual laboratories and collaborative knowledge construction with VRLs as well as with the use of representational tools (such as tables and concept maps). Her current research focuses on the societal implications of novel scientific discoveries, such as those brought about by bio and nanotechnology. She received her Ph.D. from the University of Illinois, Urbana-Champaign in 1996 and has completed post-doctoral research at the University of Pittsburgh, Learning Research and Development Center as well as at the Department of Psychology at Carnegie Mellon University.

Ed Van Sickle is a Senior Education Consultant with EMC Corporation, where he has worked since April 2000 in the Global Education Services team. Prior to joining EMC, Ed was Director of Computer Career Programs at Boston University’s Corporate Education Center.

Beverly Volicer is a professor emerita of the University of Massachusetts Lowell’s Department of Community Health and Sustainability. Until her retirement in 2008, she chaired the department from the time of its creation in 2004, after chairing the Department of Health and Clinical Sciences and the Department of Health Education and Administration. She has a Ph.D. and M.P.H. in Biostatistics from the University of Michigan, has several years’ experience teaching online and blended courses, and
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Cheryl West is a program evaluation consultant and doctoral candidate in the Department of Work Environment at the University of Massachusetts Lowell. She has conducted evaluation research in areas of hazardous waste training, wellness programs for healthcare workers in nursing homes, engineering service-learning, court-based child care, and special needs educational programs. Her work at UMass Lowell as program manager has included community-based research, environmental justice, urban aquaculture, community and cultural preservation, capacity building and conflict resolution among diverse cultural communities. Ms. West recently traveled to Central America to research cleaner production and social justice issues within the coffee sector.