About the Contributors

Barbara L. Ciaramitaro, PhD, is an Assistant Professor with the College of Business at Ferris State University in Big Rapids, Michigan where she teaches graduate and undergraduate courses on a variety of topics including information security, business intelligence, social media and virtual worlds, and project management. Dr. Ciaramitaro entered the academic world after 30 years of experience in business, including 10 years as an Executive with General Motors. Dr. Ciaramitaro holds a Ph.D. from Nova Southeastern University in Information Systems with a graduate certificate in Information Security, a M.S. from Central Michigan University in Software Engineering Administration, and a B.A. in Psychology from Wayne State University. She is currently working on earning her MBA degree from Ferris State University. Dr. Ciaramitaro has earned several professional certifications including the CISSP (Certified Information System Security Professional), CSSLP (Certified Software System Lifecycle Professional), and PMP (Project Management Professional). Dr. Ciaramitaro is a frequent speaker and author on topics including social media, virtual worlds, security, and privacy. She edited the book and authored chapters in Virtual Worlds and E-Commerce: Technologies and Applications for Building Customer Relationships, published by IGI Global in August 2010. She is an active member of several professional organizations, including the Association of Virtual Worlds, Project Management Institute, ISACA, ISC2 and IEEE.

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Ade Bamigboye is the Founder of Mobile Flow. Ade has been involved in the mobile industry for over 10 years. During that time he has been involved in early stage companies that have focused on remote patient monitoring and disease management using mobile and web technologies. His main area of interest is the commercialisation of digital healthcare. Previously, Ade was a Founding Investor and Chief Technology Officer at United Clearing from its inception until its UK stock market listing, and for over 20 years he has been creating innovative business solutions from emerging technology through positions that he has held at Shell, PA Consulting, and a number of software start-ups. Ade received an MBA from the Henley Management College and has a B.Sc (Hons) Applied Chemistry and M.Sc Artificial Intelligence. Other related publications include “The Consumerisation of Home Healthcare Technologies - Springer Handbook of Digital Homecare.”
Douglas Blakemore is a Professor at Ferris State University in the United States. In that capacity, Dr. Blakemore has developed innovative courses in information systems management at both the graduate and undergraduate program for over 15 years. Prior to that, Dr. Blakemore co-managed a technology consulting and accounting firm for over 15 years with his wife Vivian. In addition to designing and managing computers, network systems, and client write-up systems, Dr. Blakemore worked with Michigan Dyslexia Institute as a certified reading consultant. Dr. Blakemore received his Ph.D. in Organization and Management from Capella University, a Master’s in Information Systems Management from Ferris State University, and a B.A. from Spring Arbor College in Philosophy and Religion.

María del Puy Carretero studied Computer Science at the University of the Basque Country UPV/EHU (2004). She was an intern during the summer of 2002 and carried out her final year project at Vicomtech (July 2003-February 2004). Since October of 2004 she works as a researcher at Vicomtech, within the area of 3D Animation, Interactive Virtual Environments and HCI. She has a PhD in Computer Science from the University of Basque Country. She made the oral presentation of her PhD-Thesis entitled ‘Avatares Multidispositivo para Interacción Multimodal’ in June 2010. The thesis was graded Cum Laude A.

Greg Gogolin spent almost 20 years in IT before becoming a Professor at Ferris State University in 1999. He has worked as a programmer, database administrator, systems analyst, and project manager at small and multi-national corporations. Dr. Gogolin actively consults and is a licensed Private Investigator specializing in digital forensics cases. He has degrees in Arts, Computer Information Systems, Applied Biology, Computer Information Systems Management, and Administration, with his doctorate from Michigan State University. Dr. Gogolin has written many articles for journals such as Information Security Journal: A Global Perspective, Digital Investigations, and Journal of Digital Forensic Practice, and has previously collaborated with Dr. Barbara Ciaramitaro as a chapter contributor to Virtual Worlds and E-Commerce: Technologies and Applications for Building Customer Relationships. He holds CISSP, EnCE and PMP certifications, and is particularly thankful to have the opportunity to teach some of the brightest students in the world in the Bachelor of Science in Information Security & Intelligence and Master of Science in Information Systems Management programs at Ferris State University.

James Jones has worked in the information security field for the past 15 years with government, commercial, and research organizations. During this time he has led multiple security projects, directed a security operations center, led a digital forensics team, and served as the principle investigator for research projects with DARPA, DHS, and AFRL. Dr. Jones actively consults in the areas of digital forensics, information security, and intelligence analysis. Dr. Jones holds a B.S. in Industrial and Systems Engineering from Georgia Tech, a M.S. in Mathematical Sciences from Clemson University, and a Ph.D. in Computational Sciences and Informatics from George Mason University, and he holds CISSP, EnCE, and Security+ certifications. Dr. Jones is an Associate Professor at Ferris State University and a Principal Scientist for a defense contractor.

Joerg H. Kloss is one of the early pioneers of immersive technologies and interactive 3D graphics on the Internet. He is working in the field of Virtual Worlds, Virtual Reality and Augmented Reality since many years. Besides being a respected lecturer on many symposia, he published articles and reference
books about 3D standards like VRML and X3D, as well as his latest book on Android programming. With a focus on Mobile Augmented Reality, Mr. Kloss currently fosters standardization efforts in the conversion of mobile and fixed network technologies and applications. He holds a Master’s degree in Computational Linguistics, Psychology and Economics, and currently works as a telecommunications professional and consultant in Germany.

Juan Felipe Mogollón studied Technical Telecommunication Engineering, Electronic Systems specialty at Cantabria University. Formerly, he was a developer at Zitralia Security Solutions, developing security applications in GNU/Linux (October 2006 - June 2008). He has been working at Vicomtech as a research collaborator since July 2008.

Igor G. Olaizola received a six years degree in Electronic and Control Engineering from the University of Navarre, Spain (2001). He developed his master thesis at Fraunhofer Institut für Integrierte Schaltungen (IIS), Erlangen -Germany- 2001 where worked for a year as research assistant on several projects related to MPEG standard audio decoding. He is member of Vicomtech technological centre since 2002. Nowadays he is the head of the Digital Interactive TV and Multimedia Services department. In 2006 he also participated as a technology consultant in Vilau (www.vilau.net) company for one year. Moreover, he is working in his PhD based on automatic multimodal indexing and management of multimedia content at the Faculty of Informatics of San Sebastián, in the University of Basque Country.

David Oyarzun is the Head of the 3D Animation and Interactive Virtual Environments department at Vicomtech. He studied Computer Engineering in the University of the Basque Country. He received his Ph.D. in the field of 3D Virtual Environments standardization from the University of the Basque Country. From 2001 to 2003, he gained experience in topics such as biometric access control systems for networks or Artificial Intelligence. Since 2003, he has been working in Vicomtech, and he is coordinator of the Working Group V of Spanish eNEM platform, which is a working group focused in Virtual Reality and Virtual Worlds research composed by Spanish companies, universities, and research centres. He has several publications in topics related with 3D graphics in international conferences and journals.

Velislav Pavlov is the IT Coordinator for Ferris State University in Grand Rapids, MI. Velislav has nearly a decade of experience in information systems and security. He holds a Bachelor of Science in Information and Computer Security from Davenport University, and a Master of Science in Information System Management from Ferris State University. His professional certifications include CompTIA A+ and Security+. His research interests include penetration testing, digital forensics, IT compliance and governance, virtualization, and mobile security.

Shaunie Shammass is a phonetics-linguistics expert with over 20 years of experience in the application of linguistics to automatic speech recognition in the telephony and mobile environments. She is currently the linguistic expert at SpeakingPal, handling all aspects of content creation for innovative English language learning products on the mobile. Dr. Shammass has vast pedagogical expertise in e-learning, having worked at Edusoft and Digispeech, where she developed English language e-learning and pronunciation improvement programs. She has also lectured for many years at Bar-Ilan University and at several teachers colleges. Shaunie has worked in several high-tech firms, including NSC (Natural
Speech Communication), where she developed sophisticated linguistic resources in over 13 languages for automatic speech recognition, large lexica development and automatic speech-to-speech translation, and at Nice Systems, working on speech analytics. Shaunie holds a PhD in Linguistics, with distinction, from the University of Alberta, Canada.

**Nalin Sharda** gained B.Tech. and Ph.D. degrees from the Indian Institute of Technology, Delhi and he is an Associate Professor of Computer Science and Multimedia at Victoria University, Australia. Nalin’s publications include the textbook entitled Multimedia Information Networking, Prentice Hall, and around 100 other publications. He has contributed to editing and publishing papers and articles on Multimedia Authoring and Networking in the Encyclopaedia of Multimedia, the Handbook of Multimedia Computing, the Handbook of Internet Computing, IEEE & ACM journals, the Communications of the AIS, and numerous international conferences. He is an editor for the Informing Science Journal, the International Journal of Computers and Applications, and the Journal of Multimedia Tools and Applications. Nalin’s current research interests and related publications include applications of the Internet and multimedia systems to enhance communications and the development of tourism ICT systems. Nalin has developed a number of conceptual models for integrating the art, science, and technology of multimedia systems, including: Multimedia Design and Planning Pyramid (MUDPY), a metadesign framework for multimedia systems design; and Movement Oriented Design (MOD), a new paradigm for designing the temporal aspect of multimedia systems.

**Marilyn K Skrocki** is an Assistant Professor at Ferris State University in the College of Allied Health Science and teaches in the Health Care Systems Administration program. Dr. Skrocki worked in various clinical and administrative positions in healthcare and specialized in implementing health law toward assuring compliance with patient safety and quality. Dr. Skrocki was instrumental in developing a program that concentrates on medical informatics. Dr. Skrocki holds a Juris Doctorate from Thomas M. Cooley Law School, a Master’s in Business Administration from Ferris State University, and a B.S. in Health Care Systems Administration.

**David R Svacha** is a student at Ferris State University in the United States. Mr. Svacha is currently pursuing a Bachelor’s degree in the Information Security and Intelligence program along with a minor in Computer Information Systems. He actively involves himself in two student organizations, the Institute of Electrical/Electronic Engineers (IEEE) and Association of Information Technology Professionals (AITP). Upon graduation, he plans to obtain a job with the federal government.

**Alejandro Ugarte** obtained his Master’s Degree in Telecommunication Engineering at the University of Deusto (Bilbao) in 2002. Since April 2003 he has been a researcher in the Digital Television and Multimedia Services department of Vicomtech. During this time he has participated in several projects in the fields of interactive TV applications and multimedia applications. In these projects he has collaborated in real scenarios with important consulting firms in engineering (Dominion) and TV broadcasters (ETB). It is worth pointing out his skills in the fields of t-government, multimedia, and augmented reality. In April 2007 he joined the quality committee of Vicomtech, taking part in the continuous improvement program of the quality system. Between 2007 and 2008 he completed an investigation stage in the Fraunhofer Institute for Computer Graphics (IGD) in Darmstadt, Germany, promoting the relations between the two institutes.
About the Contributors

Ariel Velikovsky, with over 20 years in the telecom industry, has extensive experience in research and development of mobile products. Handling various marketing and technical aspects of mobile handset applications and communication systems, he specializes in mobile messaging and mobile learning solutions. Ariel is currently the CTO and co-founder of SpeakingPal, a mobile learning company that develops innovative English learning products. Prior to founding SpeakingPal, Ariel served as a consultant advisor for several mobile start-up companies. Ariel served as an R&D Manager, CTO of the Handset Line of Business and later as a Chief Architect in the CTO Office in Comverse, a world leading provider of software and systems for the mobile industry. He holds a BSc summa cum laude in Mathematics & Computer Science from Ben-Gurion University, an MA in Computer Science from Bar-Ilan University, and an MBA from the Kellogg Graduate School of Management at Northwestern University.