About the Contributors

Abdelnasser M. Abdelaal is Assistant Professor of Information Technology at Ibri College of Applied Sciences, Sultanate of Oman. He earned his PhD in Information Technology from University of Nebraska at Omaha. His research focuses on quality of service, call admission control, business models, service pricing, and socioeconomics of community wireless networks. Abdelaal is one of the founders of the Omaha Wireless Network. He organized mini-tracks and panels on community wireless networks in major international conferences and summits. He has published more than a dozen papers on community wireless networks in international conferences and journals. In addition, he managed and participated in a number of Information Technology for Development (IT4D) and community empowerment projects. He also provides consultation regarding broadband policy and IT4D.

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Sylvie Albert is the Dean of the Faculty of Business and Economics at the University of Winnipeg and was an Associate Dean and Professor of Strategy at Laurentian University. Dr. Albert arrived at Laurentian in 2004 with 20 years of experience in the public and private sector as the Director of two economic development corporations and as a consultant providing planning services on community development projects. During her 10 years in consulting practice under her firm, Planned Approach Inc., Dr. Albert built feasibility studies and public-private partnerships toward new intelligent/smart communities. Dr. Albert used her research on smart/intelligent communities to educate communities and regions on this topic and help those that were interested in building innovative collaborative programs on e-learning, e-health, e-collaborations, and more. She published two books on the topic of intelligent cities and has been the lead jurist for the International Intelligent Community Award (ICF is a New York-based think tank on intelligent cities).

Francisco Paulo Jamil Almeida Marques is a Lecturer at the Federal University of Ceará, Brazil. Marques has a PhD in Communication Studies (Federal University of Bahia, Brazil). In 2006, he was a Visiting Scholar at Saint Louis University, USA. Over the last years, his research interests have focused on political journalism and on the political uses of new media. His latest publications include “Government and e-Participation Programs: A Study of the Challenges faced by Institutional Projects” (First Monday Journal, 2010), and a co-edited book titled Internet and Political Participation in Brazil. The author wishes to thank the Brazilian National Council for Scientific and Technological Development (CNPq) for partially funding his research.
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Julius Butime is a Lecturer with the Department of Electrical and Computer Engineering at Makerere University, where he is the Head of Department and a Researcher with the Community Wireless Resource Centre (CWRC). Dr. Butime holds a B.Sc. in Electrical Engineering from Makerere University, Uganda, and a Ph.D. in Electrical Engineering from the University of Navarra, Spain. His research interests are in computer vision, radio frequency engineering, and wireless networks.

Giovanni Camponovo graduated in Management Sciences in 2002 and holds a Ph.D. in Business Information Systems from the University of Lausanne. He is currently Teacher and Researcher at the Department of Business and Social Sciences at the University of Applied Sciences of Southern Switzerland (SUPSI). He also teaches at the Universities of Geneva, Lausanne and Lugano, and the Swiss Academy of Accounting. His research interests include information systems, innovation management, management accounting, business models, and electronic and mobile business.

Lorenzo Cantoni graduated in Philosophy and holds a PhD in Education and Linguistics. He is full Professor at the Università della Svizzera Italiana (University of Lugano, Switzerland), Faculty of Communication Sciences. He is Dean of the Faculty and Director of Institute for Communication Technologies (ITC). He is Scientific Director of the Laboratories eLab, webatelier.net, and NewMinE Lab. His research interests are where communication, education, and new media overlap, ranging from computer-mediated communication to usability, from eLearning to eTourism, and from ICT4D to eGovernment.

Tomáš Dulík was born in Slavičín, the CR. He received his Master’s degree from Computer Science in 1998 at Brno University of Technology, Faculty of Electrical Engineering, Department of Computer Science, and Ph.D. degree in 2012 from Tomas Bata University in Zlin, Faculty of Applied Informatics. His research is focused on the baseband signal processing in wireless network devices.

Heather E. Hudson is a Professor and Director of the Institute of Social and Economic Research and Professor of Public Policy at the University of Alaska – Anchorage. Previously, she was founding Director of the Communications Technology Management and Policy Program at the University of San Francisco. Her research focuses on applications and effects of information and communication technologies, regulation and policy issues, and strategies to extend affordable access to new technologies and services. She has planned and evaluated communication projects in northern Canada, Alaska, and more than 50 developing countries. She is the author of many conference papers and articles and several books, and has testified as an expert witness on communications policy issues. She has consulted for the private sector, government and international agencies, and consumer and indigenous organizations. She has held a Fulbright Policy Research Chair at Carleton University and a Fulbright Distinguished Lectureship for the Asia/Pacific. She has also been a Sloan Foundation Industry Fellow at Columbia University’s Institute for Tele-Information, an Honorary Research Fellow at the University of Hong Kong, Senior Fellow at CIRCIT in Australia and at the East-West Center in Hawaii, and an IEEE Distinguished Lecturer.
Roman Jašek received the M.Sc. degree in Computer Science from the Palacký University in Olomouc, Faculty of Science, and his Ph.D. degree in Technology from Charles University in Prague in 2000. His work experience is focused on enterprise security. Since 2000, he has been affiliated with Faculties of Management and Economics and Applied Informatics in Tomas Bata University in Zlin. His main activities are related to computer security science and artificial intelligence.

Ashok Jhunjhunwala is a Professor in IIT Madras, where he leads the Telecommunications and Computer Networks Group (TeNeT), which works with industry in the development of technologies relevant to India. It has incubated over 35 companies in the last twenty years. He chairs Rural Technology and Business Incubator (RTBI) at IIT Madras and Mobile Payment Forum of India (MPFI). Dr. Ashok Jhunjhunwala has been awarded Padma Shri in the year 2002 apart from a multitude of other awards. He has published many papers, notably in IEEE, Journal of IETE, Journal of Optics, Journal of Optoelectronics, UN Department of Economic and Social Affairs ICT Task Force Series 4, Journal of Community Informatics, Euromicro Journal of Microprocessing, Computer Networks and ISDN, Journal of System Architecture, Journal of Rural Development, Indian Journal of Radio and Space Physics, to name a few. Dr. Jhunjhunwala is a Director in the Board of TTML, Polaris, 3i Infotech, Sasken, Tejas, Tata Communications, and Exicom. He is member of Prime Minister’s Scientific Advisory Committee.

Yasuhiko Kawasumi is the Rapporteur for ITU-D SG2 Q10-3/2 on “Telecommunications/ICTs for Rural and Remote Areas” since 2002 (ITU is the leading UN agency for information and communication technology issues: http://www.itu.int). He is now Special Advisor to the ITU Association of Japan http://www.ita.j.jp/. He participated in projects funded by Asia-Pacific Telecommunity (APT) http://www.apt.int/ in Nepal, Marshall Islands, Micronesia, and Bhutan. He started his business career at Japanese monopoly overseas telecommunication operator Kokusai Denshin Denwa Co. Ltd. in 1961 after graduating from KEIO University. His experienced the construction of Transpacific Submarine Cable No. 1, its maintenance and operation, satellite systems, network management. He attended ITU’s various conferences and meetings. He participated in Maitland Commission meetings as advisor to Dr. Koji Kobayashi (NEC Chairman) in Arusha (Tanzania) and Bali (Indonesia) in 1984. He was appointed as rapporteur of the Focus Group on “New Technologies for Rural Communications” of ITU-D Study Group 2 in 1999 and submitted the final report on “New Technologies for Rural Applications” in 2001. He has been the rapporteur for the Question of ITU SG2 “Telecommunications/ICT for Rural and Remote Areas” for the three study cycles, i.e. 2002-2006, 2006-2010, and 2010-2014.

André Lemos is an Associate Professor of the Faculty of Communication at the Federal University of Bahia, Brazil, and Coordinator of the Cybercity Research Group (GPC) with a PhD in Sociology, Université Paris V, Sorbonne (1995). He is the former President of the Brazilian Association of Communications, PhD Programs, the former Chair of the Department of Communication (Facom/UFBa), and the former Director of PhD Program in Communication and Culture (Facom/UFBa). André Lemos has 10 (ten) published books, more than 30 chapters in other published books, and more than 40 articles in peer-reviewed scientific journals worldwide. He was also a Visiting Scholar at the University of Alberta and McGill University, Canada, 2007-2008. He is now working on mobile communication and locative media studies.
N. Neeraja is a Researcher at IIT M’s Rural Technology and Business Incubator, and her research interests are in the area of financial inclusion and mobile banking for financial inclusion.

Eric Null is a consultant and advocate for community and municipal wireless networks. He received his B.A. in Political Science from the University of Vermont. He received his J.D., with concentration in Intellectual Property and Communications Law, from Cardozo Law School in 2012. His research interests focus on policy, regulation, and legal issues facing community and municipal wireless networks, the telecommunications industry, and the Internet in general. He has published articles about the legal aspects of municipal broadband, network neutrality, and ICANN’s NewgTLD Program. He has worked closely with prominent Intellectual Property professors Susan Crawford and Brett Frischmann, providing research for their respective books.

Dorothy Okello is a Lecturer with the Department of Electrical and Computer Engineering at Makerere University, where she is also Director of the Community Wireless Resource Centre (CWRC). She has over 15 years of diverse experience in teaching, researching, and in conducting projects and contributing to policies in the ICT sector at national and international levels. Dr. Okello is also an activist in the area of getting more women, small-scale enterprises, and rural communities engaged in the information society for development—via policy advocacy and via program implementation and monitoring and evaluation. She is Founder of Women of Uganda Network (WOUGNET), established in 2000, with a mission to promote and support the use of Information and Communication Technologies (ICTs) by women and women organizations in Uganda. Dr. Okello holds a B.Sc. in Engineering (Electrical – First Class Hons.) from Makerere University, Uganda, an M.Sc. in Electrical Engineering from the University of Kansas, United States (Fulbright Scholar), and a Ph.D. in Electrical Engineering from McGill University, Montreal, Canada (Canadian Commonwealth Scholarship Recipient). Her research interests are in wireless networks and radio resource management.

Anna Picco-Schwendener graduated in 2002 with a major in Communication Technologies. After her degree, she worked for several years in the communication and IT field of an important steel trading company (Duferco SA). Currently, she is a Researcher at the eLab and NewMinE Lab, where she is involved in different projects. Since May 2010, she is enrolled as a PhD student at the Communication Sciences Department of the Università della Svizzera Italiana under the supervision of Prof. Lorenzo Cantoni. Her research interests include wireless communities, motivations, Wi-Fi usages/needs in different contexts, municipal wireless networks, mobile city and uni apps, mobile learning and digital copyright for eLearning.

Evelyn Posey is a Professor of Rhetoric and Writing Studies at the University of Texas at El Paso (UTEP). With Kate Mangelsdorf, she has co-authored three composition textbooks, including Choices: A Writing Guide with Readings (5th ed.), for Bedford/St. Martin’s, 2012, and The World of Writing: A Guide, for Pearson Longman, 2011. Posey has also published in Computers and Composition, the Journal of Developmental Education, Teaching English in the Two-Year College, and the Writing Center Journal. Posey has served UTEP as Chair of the Department of English, Associate Dean of the College of Liberal Arts, and Associate Vice President for Instructional Technology. In addition to her work in composition, Posey received a 3.4 million National Science Foundation grant for the advancement of women in science and engineering academic disciplines and now serves as a consultant to universities wishing to improve the recruitment and retention of women faculty.
About the Contributors

Mahabir Pun has a Master degree in Educational Administration, University of Nebraska at Kearney, Nebraska, USA. He is the Team Leader of Nepal Wireless Networking Project since 2002. He has received a number of awards for his work on community development and the latest is the Innovation on Access Provision Award from Information Society Innovation Fund, Australia, in 2012.

Janani Rangarajan is a researcher at IIT M’s Rural Technology and Business Incubator. Her research interests are in the area of rural development, education, and energy.

Gwen Shaffer is an Assistant Professor in the Department of Journalism and Mass Communication at California State University, Long Beach. Her research examines how to best incorporate telecommunications policy and economic realities into the Internet architecture. Specifically, the research considers telecommunications company mergers, expanding the application of open Internet principles, and wireless device attachment. Previously, Gwen was a postdoctoral researcher in the Computer Science Department at University of California, Irvine. She earned a PhD in Mass Media and Communication from Temple University in Philadelphia in 2009. Her dissertation examined the potential for peer-to-peer networking to help bridge the digital divide.

Barbara Walker has over 30 years of experience in the computer industry in a variety of areas including management, software application development, systems analysis, systems project management, business process reengineering, strategic planning, and networking. Ms. Walker is a graduate of the University of Texas at El Paso with a BBA in Accounting. She served as a Co-Chair and Co-Founder of Digital El Paso. Currently, Ms. Walker is a Key Account Manager for Cisco Systems, managing business with West Texas public sector clients.

Jocelyn Williams is Head of the Department of Communication Studies at Unitec Institute of Technology in Auckland, New Zealand, where she manages academic programs, teaches, and supervises communication degree students. She also researches the relationship between Internet use and community outcomes. In particular, since 2002, she has worked with “Computers in Homes” (CIH), which aims to build stronger digital capability and social capital within communities in New Zealand by providing economically disadvantaged families with a computer and a free Internet connection. In 2011, Dr. Williams accepted an invitation to chair the Auckland CIH Steering Group, which is responsible for governing delivery on the objectives of the 2020 Communications Trust through its work with Computers in Homes. Dr. Williams’ longitudinal case studies investigate the relationship between social cohesion and Internet access. Her other academic roles have included being President of the Australian and New Zealand Communication Association (ANZCA) in 2008-2009 and a continuing role on the Executive of ANZCA in subsequent years.