About the Contributors

Michael R. Bartolacci is an associate professor of Information Sciences and Technology at Penn State University - Berks. He holds a PhD in Industrial Engineering and an MBA from Lehigh University. His research includes telecommunications modeling, cultural aspects of emerging technologies, and information security education.

Steven R. Powell is professor emeritus at California State Polytechnic University (Pomona, USA), where he led the university’s efforts in interdisciplinary telecommunications education and research. He is the founder and General Chair of the Wireless Telecommunications Symposium, a leading interdisciplinary mobile communications and wireless networking conference supported by the IEEE Communications Society. Powell has taught telecommunications, engineering management, electrical engineering, IS, and computer science courses at the California State Polytechnic University - Pomona, Claremont Graduate University, Long Island University – C.W. Post Campus, and University of Southern California. His industrial experience includes positions as Director of Corporate Planning at American Express Company and Member of the Technical Staff at Bell Laboratories. He organized and chairs the IEEE Communications Society Foothill Chapter. Powell’s research interests are primarily in the areas of telecommunications strategy, telecommunications management, telecommunications policy, international telecommunications, and wireless communications. He holds an MBA from Columbia University’s Graduate School of Business, a PhD and MSc in electrical engineering from the University of Southern California, and a BS in electrical engineering from the Massachusetts Institute of Technology.

Philemon Bantimaroudis, PhD, is an assistant professor in the Department of Cultural Informatics at the University of the Aegean, Greece. He is holding a PhD from the University of Texas, Austin, USA. He has been a visiting assistant professor of communication and performance studies department at Northern Michigan University, USA. In 2008 he was an academic visitor at the Judge Business School of the University of Cambridge, UK. His research interests include media and culture, political and international communication. He has been published in different journals such as: The Harvard International Journal of Press/Politics, The Journal of Communication, Communication Research, Media War & Conflict, The Journal of Media and Religion, Mass Communication and Society, Mediterranean Quarterly etc. He is a contributor and/or editor to several peer - reviewed volumes. At present, Bantimaroudis is on the editorial board of The Open Communication Journal.
Vassiliki Cossiavelou, PhD candidate, is currently the communications secretary A’ for the Greek Embassy in Brussels, Belgium, after her diplomatic post in Beijing, China. She has extensive industry experience in the area of telecommunications and networking with such companies as IBM, Mobil and Quest in Europe, North Africa and Middle East, and she has worked on ICT related projects with international organizations such as UNESCO, NATO and the European Union. Mrs. Cossiavelou has submitted her PhD at Aegean University in the Department of Cultural Informatics related to the impact of emerging ICT on the gatekeeping model in news media industries. She is an invited visitor lecturer in Pennsylvania State University, USA, and she is awarded with invited keynote speeches in international conferences of high impact factor. Her current research interests include media gatekeeping model, communication theory, business models in global media industries, emerging Asian media wireless markets, radio-spectrum and digital dividend management and communications 2.0. Her papers have appeared in journals and special issues, such as the International Journal of Mobile Network Design and Innovation (IJMNDI) and International Journal of Interdisciplinary Telecommunications and Networking (IJITN) and in conferences such as IEEE (Institute of Electrical and Electronics Engineers) Communications Society & Springer, Association for Computing Machinery (ACM), Institute for Operations Research and the Management Sciences (INFORMS), Wireless Telecommunications Symposium (WTS), Video and Broadband Telecommunications Symposium (VBTS), (International Conference on Telecommunication Systems - Modeling and Analysis (ICTSM). She is on editorial board for the IJITN and VBTS.

François Cosquer is CTO Security and Technology Strategist for the Alcatel-Lucent Enterprise and Verticals Business Group. Over the past 18 years, he has held senior positions with research institutions, equipment vendors and telecommunications operators. He draws on extensive experience in security architecture, networking, operating systems, middleware and multimedia applications. He has been speaker, panelist and chair at key industry events and conferences. Cosquer graduated in electronics and computing and holds an MSc in computer science and a PhD in computer engineering. He currently serves as adjunct professor at the faculty of engineering and computer science, University of Concordia, Montreal.

Annie Ohayon-Dekel is strategy director for the Alcatel-Lucent Enterprise and Verticals Business group. She is in charge of analyzing financial and new technology markets contributing to the overall enterprise strategy. Prior to joining Alcatel-Lucent, Ohayon-Dekel was technology consultant and held several positions in large technology companies. Ohayon-Dekel graduated in mathematics from Tel-Aviv University.

Floriano De Rango, PhD, received the degree in computer science engineering in October 2000, and a PhD in electronics and communications engineering in January 2005, both at the University of Calabria, Italy. From January 2000 to October 2000 he worked in the Telecom Research LAB C.S.E.L.T. in Turin as visiting scholar student. From March 2004 to November 2004 he was visiting researcher at the University of California at Los Angeles (UCLA). From November 2004 until September 2007 he has been a Research fellow in the D.E.I.S. Department, University of Calabria where he is now assistant professor. He was recipient of Young Researcher Award in 2007. He served as reviewer and TPC member for many International Conferences such as IEEE VTC, ICC, WCNC, Globecom, Med Hoc Net, SPECTS, WirelessCOM, WinSys and reviewer for many journals such as IEEE Communication
Mohammed Ghanbari (M’78-SM’97-F01) is best known for the pioneering work on two-layer video coding for ATM networks, now known as SNR scalability in the standard video codecs, which earned him a Fellowship of IEEE in 2001. He has published more than 450 technical papers and four books on various aspects of video networking. His book on Video coding: an introduction to standard codecs, received the Rayleigh prize as the best book of year 2000 by the IET. He is a fellow of IEEE, fellow of IET and charted engineer (CEng).

Lein Harn received his BS degree in electrical engineering from the National Taiwan University in 1977. In 1980, he received his MS in electrical engineering from the State University of New York at Stony Brook and in 1984 he received his doctorate degree in electrical engineering from the University of Minnesota. He joined as an assistant professor in the department of electrical and computer engineering at the University of Missouri-Columbia in 1984 and in 1986, he moved to Computer Science and Telecommunication Program (CSTP) of University of Missouri-Kansas City (UMKC). While at UMKC he went on development leave to work in Racal Data Group in Florida for a year. His research interests are cryptography, network security and wireless communication security. He has published a number of papers on digital signature design and applications, wireless and network security. He has written two books on security. At present he is investigating new ways of using digital signature in various applications.

Xiaoyan Hong is an assistant professor in the Computer Science Department at the University of Alabama. She received her PhD degree in computer science from the University of California, Los Angeles in 2003. Her research interests are in the areas of mobile and wireless networks, future wireless Internet, challenged networks and wireless sensor networks.

Masoumeh Karimi received her master degree in telecommunications and networking in 2007 from Florida International University (FIU). She is currently pursuing her PhD degree in electrical and computer engineering at FIU. Her research interests include wireless communications, computer networking, and high performance switches. She is a member of IEEE and ACM.

Hak Ju Kim is an assistant professor at the School of Business in the University of Houston - Clear Lake. He received his PhD in information sciences (major: telecommunications) at the University of Pittsburgh. Prior to beginning his academic career, he worked for 6 years in SK Telecom which is a world-class wireless network operator that launched the world’s first commercial CDMA cellular phone service. His main research areas are network economics (pricing/costing/investment/options) and policy, technology management (i.e., migration strategy) in telecommunications and networking such as wireless network and IP network, Internet accounting & charging, assessment of new emerging network technologies and services (Wi-Fi, Wi-Max, DMB, RFID, etc.).
Izabella Lokshina, PhD, is associate professor of MIS and chair of Management, Marketing and Information Systems Department at SUNY Oneonta, USA. Her main research interests are intelligent information systems and communication networks, queuing systems and performance analysis, complex system modeling and simulation.

Jun Liu received his PhD in computer science at the University of Alabama in 2007. His research interests include protocol design, performance evaluation, security and privacy, routing, and power-aware solutions for wireless mobile networks and sensor networks.

Kia Makki received his PhD in computer science from the University of California, Davis, and two MS degrees from The Ohio State University and West Coast University. He is currently a lucent technology professor with tenure and he had been associate dean of the College of Engineering and co-director of the Telecommunications and Information Technology at the Florida International University. Previously he was a tenured faculty with an O’Krepki Chair Professorship at the University of Louisiana, Lafayette, the director of the Center For Telecommunications Studies, and the co-director of the NOMAD and Advanced Computer Laboratory which is partially funded by NSF and NASA. His technical interests include mobile and wireless communication networks, ad-hoc and sensor networks, network security and privacy, multicasting and optical telecommunications. He has numerous publications in refereed journals and conferences and his work has been extensively cited in books and papers. Makki has been associate editor, editorial board member, guest editor of several international journals including editorial board member of several telecommunication journals. Makki has been involved in numerous conferences as a steering committee member, general chair, program chair, program vice-chair and program committee member. His current professional activities include standing committee member and technical program co-chair of the IEEE INFOCOM and the general chair of IEEE Globecom 2010. Makki is the co-author of a well-received book on mobile and wireless internet.

Zhaomin Mo received her PhD in electrical and computer engineering in 2007 from Florida International University (FIU). She is currently a software engineering at Microsoft Corp. Her research interests include wireless communications, vehicular ad hoc networks, and signal processing.

Benoit Morel, did his PhD in theoretical physics at the University of Geneva (Switzerland). His post-doctoral career took him to Harvard, Caltech and Stanford University, before he joined the faculty of Carnegie Mellon in the Department of Engineering and Public Policy. His research and teaching interests have focused at the interface between policy and math (from chaos and complex system to stochastic processes and option theory).

Niki Pissinou received her PhD in computer science from the University of Southern California, her MSc in computer science from the University of California at Riverside, and her BSISE in Industrial and systems engineering from The Ohio State University. She is currently a tenured professor and the director of the Telecommunication & Information Technology Institute at the Florida International University. Previously she was a tenured faculty at the Center For Advanced Computer Studies at the University of Louisiana at Lafayette where she was also the director of the Telecommunication & Information & Technology Laboratory partially funded by NASA, and the co-director of the NOMAD.
A Wireless and Nomadic Laboratory partially funded by NSF, and the Advanced Network Laboratory. Pissinou is active in the fields computer networks, information technology and distributed systems. Pissinou has published over hundred refereed publications and has received best paper awards. She has also co-edited eight volumes and is the author of an upcoming book on wireless internet computing. She has received extensive funding for her research work from such agencies as NSF, NASA, DARPA and ARO including two recent NSF awards on wireless networks. Pissinou has also served as a steering committee, general chair and program committee member of over hundred program and organizational committees of IEEE and ACM sponsored technical conferences. Pissinou has also refereed for a wide variety of conferences and journals, and has served as a reviewer on NSF and NASA panel reviews including the KDI and ITR panels. She has been the editor of eight journals including IEEE TKDE and guest editor of seven journals. She has received eight achievement awards and she has been invited speaker and keynote speaker of conferences.

Dimitar Radev DSc., PhD, is professor at Department of Communication Technique and Technologies at University of Rousse, Bulgaria. His main research interests are teletraffic theory, simulation and modeling of communication networks, rare event simulation and performance analysis of queuing systems.

Svetla Radeva, DSc, PhD is associate professor at Department of Computer Aided Engineering at University of Architecture Civil Engineering and Geodesy, Sofia, Bulgaria. Her main research interests are simulation and modeling of traffic processes, and rare event simulation.

Swadesh Kumar Samanta is on leave from BSNL, India where he worked as Deputy General Manager looking after planning and deployment of telecommunications services for 13 years. He was the recipient of Chevening Scholarships awarded by British Government and currently doing PhD on telecom service pricing under UKIERI Scholarships scheme. He worked with Network Research Centre, BT, UK where he developed a tool to indentify and account the users and their applications which cause congestion in the internet. He is regularly invited to give talks at international conferences.

Lei Tang is a graduate student in the Department of Computer Science at Rice University. His research interests include routing schemes of mobile and wireless systems, network security and privacy. He was a graduate student at the University of Alabama before joining the Rice University.

William Webb joined Ofcom as head of Research and Development and senior technologist in 2003. Here he manages a team providing technical advice and performing research across all areas of Ofcom’s regulatory remit. He also leads some of the major reviews conducted by Ofcom including the Spectrum Framework Review and Ultra-Wideband Consultation. Previously, Webb worked for a range of communications consultancies in the UK in the fields of hardware design, computer simulation, propagation modelling, spectrum management and strategy development. Webb also spent three years providing strategic management across Motorola’s entire communications portfolio, based in Chicago, Webb has published ten books, sixty papers, and four patents. He is a visiting professor at Surrey University and a fellow of the Royal Academy of Engineering. He is a fellow of the IET where he has served as a vice president and is a fellow of the IEEE where he was General Chair for the DySpan 2007 conference. His biography is included in multiple “Who’s Who” publications around the world. He sits on the judging
Martin B.H. Weiss is associate dean for academic affairs and research at the School of Information Science at the University of Pittsburgh. He holds a PhD in engineering and public policy from Carnegie Mellon University (1988) where he studied the standards development process under professor Marvin A. Sirbu. He also holds an MSE in computer, control, and information engineering from the University of Michigan (1979) and a BSE in electrical engineering from Northeastern University (1978). His overall research themes are the analysis of situations where competing firms must cooperate, cost modeling of new technologies in telecommunications systems and the evolution of telecommunications industry. His industrial experience includes technical and professional work at several R&D and consulting firms in the United States. From 1978 to 1981, he was a member of the technical staff at Bell Laboratories; from 1983 to 1985, he was a member of the technical staff at the MITRE Corp; and from 1985 to 1987 he was a senior consultant with Deloitte, Haskins, and Sells. His current research projects include technical and cost studies of IP and ATM telephony, spectrum markets, secondary spectrum usage, bandwidth markets, interconnection of packet networks that support quality of service (QoS), and economics of new technologies in telecommunications. Together with Christopher Sterling and Phyllis Bernt, he has written the book Shaping American Telecommunications, published by Erlbaum.

Charles Willow, PhD, is a professor of management information systems (MIS) and Management of Technology (MOT) in the School of Business Administration at the Monmouth University, West Long Branch, New Jersey, USA. As an engineer-and-computer-scientist-turned-management-faculty, Dr. Willow’s research agenda has been extensive, ranging from information systems development to case-driven strategic management issues, systems engineering, and operations research. His current research interests include information systems and network security, neural network applications, intelligent software agents, databases, computer-generated graphics, cost-model analysis of Internet-based business, and strategic management of technology. Dr. Willow’s papers have appeared in journals such as ACM Transactions on Information Systems, Journal of Intelligent Manufacturing, IEEE Transactions on Systems, Man, and Cybernetics, Springer Lecture Notes on Computer Science, International Journal of Intelligent Information Technologies, and the Journal of Engineering and Technology Management, among others. He is a member of the IEEE Computer Society, ACM, INFORMS Computing Society, Association of Information Systems, and the National Society of Professional Engineers (NSPE). At present, Dr. Willow is on the editorial board for the Journal of Management Information Systems (JMIS), MIS Quarterly (MISQ), and Information Systems Research (ISR). Outside academia, he has been an active member of the International Simultaneous Interpreters Society (ISIS) and the International Judo Federation (IJF).

John Woods is a senior lecturer and his interests include image processing, autonomous robotics, intelligent power control, networks and network pricing. During his brief career he has accumulated over 60 journal and conference publications accompanied by grants in these areas. He is a member of the IEE and regularly attends and presents at national and international conferences.
Hannu Verkasalo is an acting project manager at the national research project MoMI (modeling the usage and business of the mobile Internet) at the Helsinki University of Technology in Finland. Hannu Verkasalo has actively published on the evolution of the mobile services market. He recently finished his doctoral dissertation on networking business. Verkasalo has focused particularly on the empirical modeling of mobile service usage, utilizing the recently developed handset-based research method in his analysis work. In addition to research work and consulting of the mobile industry, Verkasalo gives lectures on network economics, operator business and telecommunications regulation.

Qunwei Zheng received his PhD in computer science from the University of Alabama in 2007. His research interests include wireless networks and mobile computing, especially on mobility modeling, analysis and applications.

Tong Zhou is a PhD candidate in interdisciplinary studies at University of Missouri - Kansas City, USA and a principal engineer at Comcast Cable, USA. He received his BEng in communications engineering from Beijing Information Science & Technology University, P. R. China in 1991 and MS in electrical and computer engineering from State University of New York - Stony Brook, USA in 1998. He worked at Sprint Nextel, USA as a principal engineer from 1998 to 2007 and Motorola China Electronics Ltd. as a cellular field engineer from 1993 to 1997. His research interests are in the areas of information security, next generation networks and services, peer-to-peer trust management, social networks and ad hoc networks. He has over twenty patents issued/pending in USA.

Hao Zhu received his BS degree in computer science and engineering from Xian Jiaotong University, Xian, China in 1997. He received the MS degree in computer science from the Institute of Software, Chinese Academy of Sciences, Beijing, China in 2000. After receiving his PhD in computer science and engineering at the Pennsylvania State University in August 2004, he joined the Department of Electrical and Computer Engineering at Florida International University as an assistant professor. His research interests focus on resource management in wireless networks, cross-layer optimization of wireless networking protocols and cognitive radio networks.