EIC Editorial

Nitin H. Vaidya

IEEE Transactions on Mobile Computing (TMC) continues to grow in both quality and quantity of submissions received per year. The larger number of papers has resulted in a longer backlog, and a consequent increase in the delay in publication of accepted papers. To address this issue, TMC has begun monthly publication since January 2006. Also, while the review process for TMC remains quite timely, we are in the process of increasing the number of associate editors on the editorial board, which is expected to further reduce the time required to complete the review process. Aside from increasing the number of associate editors, an attempt is being made to increase the diversity of expertise available on the editorial board. As a result of this process, I am pleased to introduce 10 new associate editors: Aura Ganz, Robert S.H. Istepanian, Srikanth V. Krishnamurthy, Marwan Krunz, T.V. Lakshman, Rohit Negi, Rajeev Shorey, Gaurav S. Sukhatme, András Valkó, and Yongguang Zhang. Collectively, these editors represent expertise in various aspects of mobile computing and wireless networking, as well as applications of these technologies in domains such as medicine and robotics. Please find below the biographies of the new associate editors. I look forward to continue working with the editorial board, the authors, the referees, and the readers to continue to improve the quality and timeliness of TMC. If you have any suggestions in this regard, please feel free to contact me, or any member of the editorial board.

Nitin H. Vaidya
Editor-in-Chief

Aura Ganz received the BSc, Msc, and PhD degrees in computer science from the Technion in Israel. She is the director of the Multimedia Networking Laboratory at the University of Massachusetts at Amherst. She has authored more than 170 journal and conference papers in the areas of multimedia wireless networks, ubiquitous computing, telemedicine, and security and is the coauthor of the book Multimedia Wireless Networks (Prentice Hall, 2003). Some of her recent assignments include general cochair of the IEEE UWBNETS workshop, general cochair of the IEEE BROADMED workshop, general cochair of the Massachusetts Third Annual R&D Conference, keynote speaker at the US National Science Foundation sponsored workshop in Mobile Computing, and invited speaker at the Personal and Local Wireless Network Solutions conference and Motorola’s Wireless Communications Futures Forum, Wireless Local Area Networks Conference. More details can be found at: dvd1.ecs.umass.edu/wireless.

Robert S.H. Istepanian received the PhD degree from the Electronic and Electrical Engineering Department at Loughborough University, United Kingdom, in 1994. Throughout his career, he has held many positions, including senior lecturer at the University of Portsmouth, United Kingdom, associate professor at the Universities of Western Ontario and Ryerson in Toronto, Canada, and senior lecturer and head of the Mobile Information Engineering and E-Med Systems research group in the Department of Electronic and Computer Engineering, Brunel University, West London. In 2003, he joined the faculty of Computing, Information Systems, and Mathematics, Kingston University, London, as a professor of data communications and director of the Mobile Information and Network Technologies (MINT) Research Centre at the University. He is the recipient, investigator, and coinvestigator of research grants from EU, EPSRC, and other research visiting grants from the British Council, Royal Society, and Royal Academy of Engineering in the areas of mobile healthcare and intelligent computational control of telesurgery and wireless telemedicine systems. He currently serves on the editorial board of the IEEE Transactions on Information Technology in Biomedicine and is an associate editor of the Journal of Mobile Multimedia and the Journal on Information Technology in Healthcare. He has been the chair, cochair, technical committee member, or invited keynote speaker for many national and international conferences. He has published more than 140 refereed journal and conference papers and three books in the areas of biomedical signals processing and mobile communications for healthcare and m-health technologies. He is a fellow of the IEE and a senior member of the IEEE.
Srikanth V. Krishnamurthy received the PhD degree in electrical and computer engineering from the University of California at San Diego in 1997. From 1998 to 2000, he was a research staff scientist at the Information Sciences Laboratory, HRL Laboratories, LLC, Malibu, California. Currently, he is an associate professor of computer science at the University of California, Riverside. His research interests span CDMA and TDMA technologies, medium access control protocols for satellite and wireless networks, routing and multicasting in wireless networks, power control, the use of smart antennas, and security in wireless networks. He has been a PI or a project lead on projects from various DARPA programs, including the Fault Tolerant Networks program, the Next Generation Internet program and the Small Unit Operations program. He is the recipient of the US National Science Foundation CAREER Award from ANI in 2003. He also coedited the book, *Ad Hoc Networks: Technologies and Protocols*, published by Springer Verlag in 2004. He has served on the program committees of INFOCOM, MOBIHOC, and ICC and is the associate editor-in-chief for *ACM MC2R*.

Marwan Krunz received the PhD degree in electrical engineering from Michigan State University in 1995. From 1995 to 1997, he was a postdoctoral research associate with the Department of Computer Science at the University of Maryland, College Park. He has held visiting research positions at INRIA (Sophia Antipolis, France), HP Labs (Palo Alto, California), and US West (now Qwest) Advanced Technologies (Boulder, Colorado). Currently, he is an associate professor of electrical and computer engineering at the University of Arizona and is the director of the Broadband Networking and Wireless Communications Laboratory. His research interests lie in the fields of computer networking and wireless communications, with his recent research including power/rate control for ad hoc and sensor networks, medium access and routing protocols, media streaming over wireless channels, quality of service (QoS) routing, optical networking, and characterization of web traffic and its applications in the design of efficient Web caching/prefetching policies. He has published more than 90 journal articles and refereed conference papers in these areas and has filed three US patent applications. He was a recipient of the US National Science Foundation CAREER award from 1998 to 2002. He has served and continues to serve on the executive and technical program committees of many international conferences and on the panels of several US National Science Foundation directorates. He currently serves on the editorial board for the *IEEE/ACM Transactions on Networking* and as the TPC chair for the IEEE International Symposium on a World of Wireless, Mobile and Multimedia Networks (WoWMoM 2006) to be held in Buffalo, New York, in June 2006. He has given several tutorials at premier wireless networking conferences (e.g., MobiCom, MobiHoc) and is a consultant for a number of corporations in the telecommunications industry. He is a senior member of the IEEE and a member of the ACM.

T.V. Lakshman received the Master’s degree in physics from the Indian Institute of Science, Bangalore, India, and the PhD degree in computer science from the University of Maryland, College Park. He is currently the director of the Communication Protocols and Networking Research Department at Bell Labs, Lucent Technologies. His research interests and contributions span a spectrum of networking topics, including switch architectures, traffic management, network design, high-speed packet filtering, and TCP performance. He has received several best paper awards from the ACM and the IEEE and was an editor of the *IEEE/ACM Transactions on Networking* from 1996 to 2002. He is a fellow of the IEEE and the ACM.

Rohit Negi received the BTech degree in electrical engineering from the Indian Institute of Technology, Bombay, India, in 1995. He received the MS and PhD degrees from Stanford University, California, in 1996 and 2000, respectively, both in electrical engineering. He received the President of India Gold medal in 1995. Since 2000, he has been with the Electrical and Computer Engineering Department at Carnegie Mellon University, Pittsburgh, Pennsylvania, where he is currently an associate professor. He is a past recipient of the Stanford graduate fellowship and the US National Science Foundation Faculty CAREER award. His research interests include information theory, networking, cross-layer optimization, and sensor networks.
Rajeev Shorey received the BE degree in computer science and automation and the MS and PhD degrees in electrical communication engineering, all from the Indian Institute of Science, Bangalore, India. From 2003 to 2004, he was an assistant professor in the Computer Science Department at the National University of Singapore, and, from 1998 to 2005, he was a research staff member at the IBM India Research Laboratory, New Delhi, India. Currently, he is an adjunct faculty member in the Computer Science and Engineering Department, Indian Institute of Technology, New Delhi, India, and is heading the Telematics group at the General Motors India Science Laboratory in Bangalore, India. He has seven US patents issued to his credit and several patents pending, all in the areas of wireless and wired networks. He has published more than 50 papers in international journals and conferences and has been the guest editor or member of the steering committee or technical program committee of several international conferences in the area of networking. He has served or is currently serving on the program committees of INFOCOM, MOBICOM, and SECON. He is the editor of the book entitled, Mobile, Wireless and Sensor Networks: Technology, Applications and Future Directions, published by John Wiley in 2006. His areas of research cover protocols, architecture, performance modeling, and analysis of wireless and wired networks. He is a senior member of the IEEE and a member of the ACM.

Gaurav S. Sukhatme received the BTech degree in computer science and engineering from the Indian Institute of Technology, Bombay, and the MS and PhD degrees in computer science from the University of Southern California (USC). He is an associate professor of computer science (joint appointment in electrical engineering systems) at USC, codirector of the USC Robotics Research Laboratory, and director of the USC Robotic Embedded Systems Laboratory, which he founded in 2000. His research interests are in multirobot systems and sensor/actuator networks. He has published more than 120 papers in these and related areas. He has served as PI on numerous US National Science Foundation, DARPA, and NASA grants and is a recipient of the US National Science Foundation CAREER award. He has served on many conference program committees, recently cochairing the program committee of the first Robotics: Science and Systems conference. He is the associate editor of Autonomous Robots, an associate editor of the IEEE Transactions on Robotics and Automation, and a member of the editorial board of IEEE Pervasive Computing. He is a member of AAAI and the ACM and a senior member of IEEE.

András Valkó received the MSc degree in electrical engineering in 1994 and the PhD degree in computer science in 1999, both from the Technical University of Budapest. From 1998 to 1999, he was at the Center for Telecommunications Research at Columbia University, New York. In 1996, he joined Ericsson Research, where he has been leading Ericsson’s Traffic Analysis and Network Performance research unit since 2004. His fields of research include mobile network architectures and protocols, wireless/mobile Internet access, mobile ad hoc networks, and mobile system performance analysis.

Yongguang Zhang received the PhD degree in computer science from Purdue University in 1994. He was with HRL Labs for 11 years, where he was a senior research scientist and led research efforts in internetworking techniques, system developments, and security mechanisms for satellite networks, ad-hoc networks, and 3G wireless systems. From 2001 to 2003, he was an adjunct professor of computer science at the University of Texas at Austin. Currently, he is a research manager at Microsoft Research Asia. His research interests are in mobile systems, networking, and security. He was a co-PI in a DARPA Next Generation Internet project and a technical lead in five other DARPA-funded wireless network research projects. He has published more than 50 technical papers and one book, was a guest editor in an ACM MONET Journal, has organized and chaired/cochaired several international conferences and workshops, and was a cochair of the IETF UDLR working group.