EIC Editorial

Nitin H. Vaidya

As I have written previously, the editorial board of the IEEE Transactions on Mobile Computing (TMC) is updated periodically to add new associate editors. In this issue, I am pleased to introduce nine new associate editors: Kevin C. Almeroth, Mooi Choo Chuah, Virgil D. Gligor, Mingyan Liu, Songwu Lu, Thyaga Nandagopal, Arunabha Sen, Yu-Chee Tseng, and Ouri Wolfson. Brief biographies of the editors are provided below. These editors bring to TMC valuable experience and expertise in diverse aspects of mobile computing and wireless networking. The expanded editorial board is also expected to help reduce the reviewing delays for papers submitted to TMC. Please join me in welcoming the new associate editors to TMC.

Nitin H. Vaidya
Editor-in-Chief

Kevin C. Almeroth is currently a professor in the Department of Computer Science at the University of California, Santa Barbara (UCSB), where his main research interests include computer networks and protocols, wireless networking, multicast communication, large-scale multimedia systems, and mobile applications. At UCSB, Dr. Almeroth is the associate director of the Center for Information Technology and Society (CITS) and a founding faculty member of the Media Arts and Technology (MAT) Program, the Technology Management Program (TMP), and the Computer Engineering (CE) Program. In the research community, Dr. Almeroth has authored more than 125 refereed papers. He is the chair of the steering committee for the ACM Network and System Support for Digital Audio and Video (NOSSDAV) Workshop, on the editorial board of the IEEE/ACM Transactions on Networking, the IEEE Transactions on Mobile Computing, IEEE Network, ACM Computers in Entertainment, and the ACM Computer Communications Review, has cochaired a number of conferences and workshops including the IEEE International Conference on Network Protocols (ICNP), the IEEE Conference on Sensor, Mesh and Ad Hoc Communications and Networks (SECON), the IFIP/IEEE International Conference on Management of Multimedia Networks and Services (MMNS), the International Workshop on Wireless Network Measurement (WiNMee), the ACM SIGCOMM Workshop on Challenged Networks (CHANTS), the Network Group Communication (NGC) Workshop, and the Global Internet Symposium, and has been on the program committees of numerous conferences. Dr. Almeroth is a former chair of the Internet2 Working Group on Multicast and is active in several working groups of the Internet Engineering Task Force (IETF). He also serves on the board of directors and/or advisory board of several startups. Dr. Almeroth has also served as an expert witness in a number of interesting patent cases. He is a member of the ACM and a senior member of the IEEE.

Mooi Choo Chuah received the PhD degree in electrical engineering from the University of California, San Diego. She is currently an associate professor in the Department of Computer Science and Engineering at Lehigh University. Prior to joining Lehigh, she spent 12 years at Bell Laboratories, Holmdel, New Jersey, designing wireless systems and network protocols. She has been awarded 42 US patents and one Canadian patent. Her current research interests include disruption tolerant networks, ad hoc/sensor system and protocol design, network security, and next generation Internet design. She is a member of the ACM, Sigma Xi, and a senior member of the IEEE.
Virgil D. Gligor received the BSc, MSc, and PhD degrees from the University of California at Berkeley. He has been at the University of Maryland since 1976 and is currently a professor of electrical and computer engineering. Over the past three decades, his research interests have ranged from access control mechanisms, penetration analysis, and denial-of-service protection to cryptographic protocols and applied cryptography. He was a consultant to Burroughs (1977-1981) and IBM (1984-1999) Corporations and is currently serving on Microsoft’s Trusted Computing Academic Advisory Board (2003-present). He has served as the chair or cochair of several international conferences and symposia, including the IEEE Security and Privacy Symposium, the Internet Society’s Network and Distributed Systems Security Symposium, the IEEE Dependable Computing for Critical Applications, and the IEEE-ACM Symposium on Reliability in Distributed Software and Databases. He received the outstanding paper award at the 1988 IEEE Symposium on Security and Privacy (1988) and the best paper award at the 13th IEEE International Workshop on Enabling Technologies: Infrastructures for Collaborative Enterprises (2004). He was a member of several US Government INFOSEC study groups that set research agendas in information security and served on a National Research Council panel on information security (1987-1988). He has published more than 100 technical articles and was awarded six patents. Dr. Gligor was an editorial board member of Information Systems (1984-1990) and the Journal of Computer Security (1999-2000) and is currently an editorial board member of the ACM Transactions on Information System Security, the IEEE Transactions on Dependable and Secure Computing, and the IEEE Transactions on Computers. In 2005, he was elected chair of ACM’s Special Interest Group on Security, Audit, and Control and received the National Information Systems Security Award given by NIST and NSA in the US.

Mingyan Liu received the PhD degree in electrical engineering from the University of Maryland, College Park, in 2000. She joined the Department of Electrical Engineering and Computer Science at the University of Michigan, Ann Arbor, in September 2000, where she is currently an associate professor. Her research interests are in performance modeling, analysis, energy-efficiency, and resource allocation issues in wireless mobile ad hoc networks, wireless sensor networks, and terrestrial satellite hybrid networks. She was the recipient of the 2002 US National Science Foundation CAREER Award and the University of Michigan Elizabeth C. Crosby Research Award in 2003. She is a member of the IEEE.

Songwu Lu received the BS degree from the University of Science and Technology of China and the MS and PhD degrees from the University of Illinois at Urbana-Champaign. He is currently an associate professor of computer science at the University of California at Los Angeles (UCLA). His research interests include wireless networks, sensor networks, mobile systems, and network security. He has served on the program and organizing committees of various premier international conferences, including ACM MobiCom, ACM MobiHoc, ACM MobiSys, IEEE INFOCOM, IEEE ICNP, etc. More recently, he has served as the program cochair for the ACM International Conference on Mobile Computing and Networking (MobiCom) 2005. He received the US National Science Foundation CAREER award in 2001 and an Okawa Foundation Grant in 2005. He is a senior member of the IEEE.

Thyaga Nandagopal received the PhD degree in electrical engineering from the University of Illinois at Urbana-Champaign in 2002. He is a member of the technical staff at Bell Laboratories, Lucent Technologies, Holmdel, New Jersey. His research is primarily in the area of wireless networks and mobile computing on multichannel, multiradio wireless networks with a specific focus on algorithms and theory. He has served on the program committees of various international conferences on mobile computing, including ACM MobiCom and ACM MobiHoc. He is a member of the IEEE.

Arunabha Sen received the bachelor’s degree in electronics and telecommunication engineering from Jadavpur University, Kolkata, India, and the PhD degree in computer science from the University of South Carolina, Columbia. He is currently an associate professor in the Department of Computer Science and Engineering at Arizona State University. He also serves as the associate chairman of the department, responsible for graduate programs and research. His research interest is in the area of resource optimization problems in wireless mobile ad hoc and optical networks. He primarily studies the algorithmic issues related to the problems in these domains and utilizes graph theoretic and combinatorial optimization techniques to find solutions. He has published more than 80 research papers in peer reviewed journals and conferences on these topics. He has served many IEEE and ACM workshops and conferences either as a program committee member or as the chair of the program committee. His current research on video transmission over mobile ad hoc networks is being funded by the US Army Research Office.
Yu-Chee Tseng received the BS and MS degrees in computer science from the National Taiwan University and the National Tsing-Hua University in 1985 and 1987, respectively. He received the PhD degree in computer and information science from the Ohio State University in January of 1994. He was an associate professor at the Chung-Hua University (1994-1996) and at the National Central University (1996-1999) and was a professor at the National Central University (1999-2000). Since 2000, he has been a professor in the Department of Computer Science, National Chiao-Tung University, Taiwan, where he is currently the chairman. Dr. Tseng received the Outstanding Research Award by the National Science Council, Republic of China, in both 2001-2002 and 2003-2005, the Best Paper Award by the International Conference on Parallel Processing in 2003, the Elite IT Award in 2004, and the Distinguished Alumnus Award from the Ohio State University in 2005. His research interests include mobile computing, wireless communication, network security, and parallel and distributed computing.

Ouri Wolfson received the PhD degree in computer science from the Courant Institute of Mathematical Sciences, New York University. He is currently the Richard and Loan Hill Professor of Computer Science at the University of Illinois at Chicago and an affiliate professor in the Department of Computer Science at the University of Illinois at Urbana Champaign. In 2000, he founded Mobitrac, a high-tech startup specializing in advanced fleet management software. Most recently, he founded Pirouette Software, which specializes in mobile peer-to-peer software for local search. Dr. Wolfson has authored more than 130 publications and holds five patents. He is a fellow of the ACM and an editor of the ACM/URSI/Baltzer Wireless Networks Journal. He received the best paper award for opportunistic resource exchange in intervehicle ad hoc networks at the 2004 Mobile Data Management Conference. He served as a distinguished lecturer for the ACM during 2001-2003. Most recently, he was the keynote speaker at the Fifth International Workshop on Web and Wireless Geographical Information Systems (W2GIS ’05), the IEEE International Conference on Networking, Sensing and Control (ICNSC ’04), the Second International Workshop On Databases, Information Systems and Peer-to-Peer Computing (DBISP2P ’04), and the Second International Conference on Mobile Data Management (MDM ’01). He was the program committee cochair of the Third International Conference on Mobile Data Management (MDM ’02), the Second ACM International Workshop on Mobile Commerce (’02), the Sixth International Conference on Mobile Data Management (MDM ’05), and the program committee vice-chair of the 22nd International Conference on Data Engineering (ICDE ’06). His research has been funded by the US National Science Foundation (NSF), the US Air Force Office of Scientific Research (AFOSR), the US Defense Advanced Research Projects Agency (DARPA), NATO, the US Army, NASA, the New York State Science and Technology Foundation, Hughes Research Laboratories, Informix Co., Accenture Co., and Hitachi Co. Most recently, he has been the principal investigator on a $3.1M NSF grant to establish a PhD program in the new discipline of computational transportation science.