Mobile and Wireless Networking Symposium

Symposium Co-Chairs

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The 2015 IEEE International Conference on Communications (ICC) will be held in London, UK from 8-12 June 2015. Themed “Smart City & Smart World,” with its proximity to Tech City, the fastest growing technology cluster in Europe, this flagship conference of IEEE Communications Society will feature a comprehensive technical program including twelve Symposia and a number of Tutorials and Workshops. IEEE ICC 2015 will also include an exceptional Industry Forum & Exhibition program including business panels and keynote speakers. We invite you to submit your original technical papers, and industry forum, workshop, and tutorial proposals to this event. Accepted and presented papers will be published in the IEEE ICC 2015 Conference Proceedings and submitted for inclusion in IEEE Xplore®/IEEE Digital Library. Full details of submission procedures are available at http://www.ieee-icc.org/2015.

Scope and Topics of Interest

The Mobile and Wireless Networking Symposium will focus on new exploratory research results as well as practical solutions in the areas of mobile and wireless networking and enabling systems. Mobile and wireless technologies will continue to expand in the communication networks to meet the increasing traffic demand and new applications. There are various potentials and new solutions to extend the capacity and the reach of networks on one hand, while improving network flexibility, operability, energy efficiency and quality of service on the other hand. Furthermore, the operational and capital per bit expenditures are to be reduced.

The objective of this symposium is to serve as an international forum for experts from academia and industry to exchange ideas and results on research and development, and to promote and accelerate standardization, applications, and services of current and future wireless communication networks. To ensure complete coverage of the advances in this field, the Mobile and Wireless Networking Symposium solicits original contributions in, but not limited to, the following topical areas:

- Mobile and wireless networking
- Wireless access and routing techniques and protocols
- Broadband wireless communication systems
- Resource allocation
- Green wireless networking

- Mobile networking, mobility and nomadicity
- Mobile IP networks
- Energy-efficient protocols for wireless networks
- Energy-harvesting wireless communication networks
- Inter-working of 2G, 3G and 4G wireless networks
- Opportunistic networks
- Wireless mesh networks
- Cross-layer design, security, and optimization
- Delay tolerant networks
- Integration of ad hoc networks with wireless access networks
- Congestion and admission control
- QoS support for mobile networks
- Mobility patterns, location and handoff management
- RFID networks and protocols
- Modeling and analysis of wireless LAN/WAN
- B3G/4G systems, WiMAX, WLAN, WPAN
- Wireless multicasting, broadcasting, and geocasting
- Optimization models and algorithms
- Ubiquitous computing, services and applications
- Emerging wireless/mobile applications
- Portable devices and wearable computers
- System prototypes, real deployments and experimentation
- Passive, active and smart tags for ubiquitous computing
- Context and location aware applications
- Resource and service discovery
- Data replication and dissemination in mobile networks
- Mobile social networks
- Vehicular communication networks
- Gaming applications in ubiquitous computing environments
- Operating system and middleware support for mobile computing
- Intelligent transport systems and applications
- Multimedia over wireless networks
- Wireless telemedicine and e-health services
- Content distribution in wireless home environment
- Security, privacy and infrastructure for ubiquitous computing
- Service oriented architectures, service portability, P2P
- Cognitive radio networks
- Machine-to-Machine (M2M) communications
- Wireless networking in smart grid
- Wireless body area networks and wireless health

Submission Guidelines

Prospective authors are invited to submit original technical papers by the deadline 15 October 2014 for publication in the IEEE ICC 2015 Conference Proceedings. All submissions should be written in English with a maximum paper length of Six (6) printed pages (10-point font) including figures without incurring additional page charges (maximum 1 additional page with over length page charge if accepted).

Standard IEEE Transactions templates for Microsoft Word or LaTeX formats found at
http://www.ieee.org/portal/pages/pubs/transactions/stylesheets.html

Alternatively you can follow the sample instructions in template.pdf at
http://www.comsoc.org/confs/globecom/2008/downloads/template.pdf

Only PDF files will be accepted for the review process and all submissions must be done through EDAS at https://edas.info/newPaper.php?c=17655

Co-Chairs Biographies

Rose Qingyang Hu received a B.S. degree in electrical engineering from the University of Science and Technology of China, an M.S. degree in mechanical engineering from the Polytechnic Institute of New York University, and a Ph.D. degree in electrical engineering from the University of Kansas. From January 2002 to June 2004 she was an assistant professor with the Department of Electrical and Computer Engineering at Mississippi State University. She also has more than 10 years of R&D experience with Nortel, Blackberry, and Intel as a technical manager, senior wireless system architect, and senior research scientist. Currently she is an associate professor with the Department of Electrical and Computer Engineering at Utah State University. Her current research interests include next-generation wireless communications, wireless network design and optimization, green radios, multimedia QoS/QoE, communication and information security, and wireless system modeling and performance analysis. She has published extensively and holds numerous patents in her research areas. She is currently serving on the editorial boards of IEEE Wireless Communications, IEEE Internet of Things Journal, IEEE Communications Tutorials and Surveys, Security and Communication Networks Journal, Wireless Communications and Mobile Computing, and KSII Transactions on Internet and Information Systems. She has also been a six-time Guest Editor for IEEE Communications Magazine, IEEE Wireless Communications, and IEEE Network. Prof. Hu served as the TPC Co-Chair for International Conference on Computing, Networking and Communication (ICNC) 2014, TPC Vice-Chair for IEEE Greencom 2013 and IEEE/IFIP EUC, Woskshop Co-Chair for Chinacom 2013, Symposium Co-Chair for IEEE ICC 2012/2014/2015, IEEE Wireless Communications and Mobile Computing (WCNC) 2013, the 9th International Wireless Communications & Mobile Computing Conference (IWCMC) 2013/2014, ICNC 2013, IEEE SmartgridComm 2012. One of her coauthored papers received the Best Paper Award at IEEE GLOBECOM 2012. She is a member of Phi Kappa Phi and Epsilon Pi Epsilon Honor Societies.

Bruno Clerckx received his M.S. and Ph.D. degree in applied science from the Université catholique de Louvain (Louvain-la-Neuve, Belgium) in 2000 and 2005, respectively. He spent the 1998-1999 academic year at the Katholieke Universiteit Leuven (Leuven, Belgium) and held visiting research positions at Stanford University (CA, USA) in 2003 and Eurecom Institute (Sophia-Antipolis, France) in 2004. In 2006, he was a Post-Doc at the Université catholique de Louvain. From 2006 to 2011, he was with Samsung Electronics (Suwon, South Korea) where he actively contributed to 3GPP LTE/LTE-A and IEEE 802.16m and acted as the rapporteur for the 3GPP Coordinated Multi-Point (CoMP) Study Item. He is now a Lecturer (Assistant Professor) in the Electrical and Electronic Engineering Department at Imperial College London (London, United Kingdom).
He is the author or co-author of two books on "MIMO wireless communications: From Real-World Propagation to Space-Time Code Design" (Academic Press, Elsevier, 2007) and "MIMO Wireless Networks: Channels, Techniques and Standards for Multi-Antenna, Multi-User and Multi-Cell Systems" (Academic Press, Elsevier, 2013), about 90 peer-reviewed international research papers, more than 150 standard contributions and over 70 issued or pending patents, many of which are adopted in 3GPP LTE/LTE-A and IEEE 802.16m. He received the Best Student Paper Award at the IEEE SCVT 2002 and numerous Awards from Samsung in recognition of special achievements. Dr. Clerckx serves as an editor for IEEE TRANSACTIONS ON COMMUNICATIONS and has also served as a Guest Editor for a special issue of the EURASIP Journal on Wireless Communications and Networking. He has been TPC member of many symposium on communication theory and wireless communication for IEEE conferences.

Honggang Wang received his Ph.D. in Computer Engineering at University of Nebraska-Lincoln in 2009. He is an assistant professor at UMass. His research interests include Wireless Healthcare, Body Area Networks (BAN), Multimedia Sensor Networks, Mobile Multimedia and Cyber Security, Wireless Networks and Cyber-physical System. He has published more than 90 papers in his research areas, including more than 30 publications in prestigious IEEE journals. He serves as a Lead Guest Editor of IEEE Transactions on Information Technology in Biomedicine special issue on *"Emerging Wireless Body Area Networks (WBANs) for Ubiquitous Healthcare"* in 2013, an Associate Editor of IEEE IoT (Interne of Things) Journal, a Guest Editor of IEEE IoT Journal special issue on*"* IoT for Smart and Connected Health*"*, a Guest Editor of IEEE Sensors Journal, an Associate Editor of Wiley's Security and Communication Networks (SCN) Journal and Transactions on Emerging Telecommunications Technologies. He also serves as TPC Chair or Co-Chair for several conferences such as TPC Chair of 8th ICST/ACM International Conference on Body Area Networks (BODYNETS 2013). He is the TPC member for IEEE INFOCOM 2013-2014, BSN 2014, IEEE ICC 2011-2014, IEEE Globecom 2010-2013, and IEEE ICME 2013-2014. He serves on NSF panel 2012-2013. He currently serves as a Board Co-Director of IEEE MMTC) Services and Publicity.

Jun Zheng is a Full Professor with the School of Information Science and Engineering at Southeast University (SEU), China. He received his Ph. D. degree in electrical and electronic engineering from The University of Hong Kong in 2000. Before joining SEU in 2009, he was with the School of Information Technology and Engineering, University of Ottawa, Canada. He has co-authored (first author) two books published by Wiley-IEEE Press, and has published over 100 technical papers in refereed journals and peer-reviewed conference proceedings. His current research interests include mobile communication networks, mobile ad hoc networks, and wireless sensor networks, focused on network architectures and protocols. He serves as a Technical Editor of IEEE Communications Magazine and is an editorial board member of several other refereed journals, including Elsevier Ad Hoc Networks Journal and Springer Wireless Networks. He has co-edited 12 special issues for different refereed journals and magazines, including IEEE Communications Magazine, IEEE Network, and IEEE Journal on Selected Areas in Communications, all as Lead Guest Editor. He has served as the founding General Chair of AdHocNets'09, General Chair of AccessNets'07, and TPC or Symposium Co-Chair of many international conferences and symposia, including IEEE ICC 2009/2011/2015 and GLOBECOM 2008/2010/2012. He has also served as a technical program committee member for a number of international conferences and symposiums. He is a senior member of the IEEE, IEEE Communications Society, and IEEE Vehicular Technology Society.