Wireless Networking Symposium

Symposium Co-Chairs

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The 2013 IEEE International Conference on Communications (ICC) will be held in the vibrant city of Budapest, Hungary from 9 – 13 June 2013. This flagship conference of IEEE Communications Society aims at addressing an essential theme on "Bridging the Broadband Divide." The conference will feature a comprehensive technical program including several Symposia and a number of Tutorials and Workshops. IEEE ICC 2013 will also include an attractive expo program including keynote speakers, various Business, Technology and Industry forum, and vendor exhibits. We invite you to submit your original technical papers, industry forum, workshop, and tutorial proposals to this event. Accepted and presented papers will be published in the IEEE ICC 2013 Conference Proceedings and in IEEE Xplore®. Full details of submission procedures are available at http://www.ieee-icc.org/2013.

Scope of the Symposium

Wireless networks are expected to encompass heterogeneous access technologies and the Internet backbone for providing services to both mobile and stationary users. It poses significant technical challenges to enable broadband wireless access with seamless and ubiquitous coverage and Quality-of-Service (QoS) provisioning. The objective of this symposium is to serve as an international forum for experts from academia, industry, and government to exchange ideas and results on research and developments, as well as to promote and accelerate standardization, applications, and services of current and future wireless networks. Prospective authors are invited to submit original contributions on all aspects of wireless networks, applications, and services, including, but not limited to the following topics of interest. Please note that this Symposium covers higher layers of the network protocol stack, although papers on cross-layer design/optimization are welcome. Therefore, papers solely related to radio communications and the physical layer should be submitted to other relevant symposia of IEEE ICC 2013.

Topics of Interest

Wireless access, network architecture, and standards

- Network architecture
- Network planning
- Broadband wireless access
- Cellular networks
- B3G/4G wireless networks
- WiMAX networks
- Wireless ad hoc and mesh networks
- Wireless local area networks
- Wireless personal area networks
- Ultra-wideband networks
- Wireless sensor networks

- Cognitive wireless networks
- Reconfigurable wireless networks
- Multimode wireless networks
- Vehicular wireless networks
- Home entertainment networks
- All-IP networks
- Ubiquitous coverage
- Integration of heterogeneous wireless and wireline networks

Network design, control, and performance

- Capacity analysis
- Quality-of-service provisioning
- Radio resource allocation
- Mobility, handoff, and location management
- Medium access control
- Traffic scheduling
- Access and admission control
- Routing
- Flow control and congestion control
- Energy efficiency
- Network clustering
- Network performance analysis
- Multimedia communications
- Traffic modeling and traffic management
- Cross-layer design and optimization
- Distributed control and management
- End-to-end protocols and performance
- Protocols and algorithms
- Power saving protocols
- Pricing and billing

Experiments, Applications, and Services

- Multimedia applications over wireless networks
- Emerging wireless technologies
- New services and applications
- IPTV
- Measurements, testbeds, and deployment
- Wireless network standardization activities

Submission Guidelines

Prospective authors are invited to submit original technical papers by the deadline 16 September 2012 for publication in the IEEE ICC 2013 Conference Proceedings and for oral or poster presentation(s).

All submissions should be written in English with a maximum paper length of Five (5) 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
http://edas.info/

Important Dates

16 September 2012	Submission Deadline
27 January 2013	Acceptance Notification
24 February 2013	Camera Ready

Short Biography of Co-Chairs

Dr. Azzedine Boukerche is a professor and holds a Canada Research Chair position at the University of Ottawa. He served as the general chair for the 8th ACM/IEEE Symposium on Modeling, Analysis and Simulation of Wireless and Mobile Systems, as Vice General Chair of 3rd IEEE Conference on Distributing Computing in Sensor Systems (DOCSS 2007), and the 9th ACM/IEEE Symposium on Distributed Simulation and Real-Time Application (DS-RT), the program chair for the ACM Symposium on QoS and Security for Wireless and Mobile Networks, the ACM/IFIPS Europar 2002 Conference, the IEEE/SCS Annual Simulation Symposium (ANNS 2002), the ACM WWW 2002, the IEEE Mobile and Wireless Communication Networks (MWCNC) 2002, the IEEE/ACM MASCOTS 2002, the IEEE Wireless Local Networks WLN 03-04; the IEEE WMAN 04-05, and the ACM MSWiM 98-99 conferences. He also serves as a Steering Committee chair for the ACM/IEEE Modeling, Analysis and Simulation for Wireless and Mobile Systems Conference, the ACM/IEEE Symposium on Performance Evaluation of Wireless Ad Hoc, Sensor, and Ubiquitous Networks, the IEEE/ACM Symposium on Mobility Management and Wireless Access and the IEEE/ACM DS-RT. He serves as Vice Chair for the IEEE Technical Committee on Ad Hoc and Sensor Networks. He Has published three Best Seller books. He has given several keynote and invited speeches at several IEEE International conferences and serves as TPC member of several IEEE/ACM international conferences.

Dr. Pan Li has obtained his Ph.D. from University of Florida (2009). Currently assistant professor at Mississippi State University (MSU), USA, his primary research interests are capacity and connectivity investigation, medium access control, routing algorithms, and cross-layer optimization and design in wireless networks. Author of 16 journal papers and 19 conference papers, he is the recipient of State Pride award at MSU in 2010. Member of IEEE. Web Chair for INFOCOM 2012. Technical Program Committee member for ICC 2010-2012, INFOCOM 2010-2012, MASS 2010-2011, NAS 2010-2011, CCNC 2011, GLOBECOM 2011, ICCCN 2011, QShine 2010.

Dr. Min Chen served as TPC co-chair and web chair for BodyNets-2010, workshop co-chair for CHINACOM 2010, co-chair of MMASN-09, UBSN-10 and NCAS-11, workshop co-chair for EMC 2010. He was co-chair for ASIT 2010, organizing committee for IEEE ICACT 2010. He was the TPC chair of ASIT-09 and GCCN-10, TPC co-chair of PCSI-09, publicity co-chair of PICom-09. He served as a Symposium co-chair for IEEE ICC 2012. He received the Best Paper Runner-up Award from QShine 2008, and excellent paper award from ICTC 2010. He is an IEEE Senior Member.