

Call for papers

Wireless Communications Symposium, ICNC 2013

San Diego, USA

January 28-31, 2013

<http://www.conf-icnc.org/2013/>

Symposium Co-chairs

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Scope

The Wireless Communications Symposium will embrace the state-of-the art research contributions on topics related to all the aspects of wireless communications and its applications, with focus on Physical layer (PHY), MAC layer, Physical layers related networking analysis and cross-layer design. Of special interest are high-quality papers reporting on fundamental advances of information theory, novel and practical solutions to PHY and MAC layers, new cross-layer analysis and design, advances in cooperative communications and networking, field experiments and applications. The Wireless Communications Symposium target at a complete coverage of the advances in wireless communications technologies for current and future systems, and cordially invite original contributions in, but not limited to, the following topical areas:

- Modulation, coding and equalization
- Information theory
- Space-time coding and processing
- Smart antennas, MIMO, and diversity
- Ultra-wideband communications (UWB)
- Cognitive radio and software defined radio
- Dynamic spectrum sharing
- Wireless channel modeling
- Detection and estimation
- Coexistence in unlicensed spectra
- Interference mitigation techniques
- PHY-Layer security
- Air interface for current and next-generation cellular networks
- OFDM and multi-carrier systems
- CDMA, TDMA, FDMA air interfaces
- Physical layer related network issues
- Cross-layer design
- Cooperative communications and networking
- Physical-layer network coding
- Wireless multicast
- QoS of wireless communications
- Wireless communications testbed development
- PHY layer aspects of wireless networks
- Broadband wireless access techniques

- DVB and DAB techniques
- Satellite communications
- Localization techniques
- Standardizations on wireless systems
- Field experiments and measurements

Submission Guidelines

Please follow the author instructions at <http://www.conf-icnc.org/2013/author.htm>

Direct paper submission of this symposium can be found at <http://www.conf-icnc.org/2013/cfp.htm>

Short biography of co-chairs

Yu Cheng received the B.E. and M.E. degrees in Electrical Engineering from Tsinghua University, Beijing, China, in 1995 and 1998, respectively, and the Ph.D. degree in Electrical and Computer Engineering from the University of Waterloo, Waterloo, Ontario, Canada, in 2003. From September 2004 to July 2006, he was a postdoctoral research fellow in the Department of Electrical and Computer Engineering, University of Toronto, Ontario, Canada. Since August 2006, he has been with the Department of Electrical and Computer Engineering, Illinois Institute of Technology, Chicago, Illinois, USA, as an Assistant Professor. His research interests include next-generation Internet architectures and management, wireless network performance analysis, network security, and wireless/wireline interworking. He received a Postdoctoral Fellowship Award from the Natural Sciences and Engineering Research Council of Canada (NSERC) in 2004, and a Best Paper Award from the International Conference on Heterogeneous Networking for Quality, Reliability, Security and Robustness 2007 (QShine'07). He received the National Science Foundation (NSF) CAREER award in 2011. He served as a Co-Chair for the Wireless Networking Symposium of IEEE ICC 2009, and is serving as a Co-Chair for the Communications QoS, Reliability, and Modeling Symposium of IEEE GLOBECOM 2011, and a Technical Program Committee Co-Chair for WASA 2011. He is an Associated Editor for IEEE Transactions on Vehicular Technology.

Weiyi Zhang received his B.E and M.E degrees from Southeast University, Nanjing, China, and Ph.D. degree from Arizona State University, Tempe, Arizona, all in Computer Science and Engineering. Before join AT&T Labs – Research, he was an Assistant Professor at the Computer Science Department, North Dakota State University, Fargo, North Dakota, from 2007 to 2010. His research interests include routing, scheduling, and cross-layer design in wireless networks, localization and coverage issues in wireless sensor networks, survivable design and quality-of-service provisioning of communication networks, and pervasive and ubiquitous computing. He received a Best Paper Award in 2007 from IEEE Global Communications Conference (GLOBECOM'2007). He has been serving on the technical or executive committee of many internationally reputable conferences, such as IEEE INFOCOM. He was the Finance Chair of IEEE IWQoS'2009, and serves the Student Travel Grant Chair of IEEE INFOCOM'2011.

Yi Qian received a Ph.D. degree in electrical engineering from Clemson University. He is an Assistant Professor in the Department of Computer and Electronics Engineering, University of Nebraska-Lincoln (UNL). His research interests include information assurance and network security, network design, network modeling, simulation and performance analysis for next generation wireless networks, wireless ad-hoc and sensor networks, vehicular networks, broadband satellite networks, optical networks, high-speed networks and the Internet. Prior to joining UNL, he worked in the telecommunications industry, academia, and the government. Some of his previous professional positions include serving as a senior member of scientific staff and a technical advisor at Nortel Networks, a senior systems engineer and a technical advisor at several start-up companies, an Assistant Professor at University of Puerto Rico at Mayaguez, and a senior researcher at National Institute of Standards and Technology. He has a successful track record to lead research teams and to publish research results in leading scientific journals and conferences. Several of his recent journal articles on wireless network design and wireless network security are among the most accessed papers in the IEEE Digital Library. Dr. Yi Qian is a member of ACM and a senior member of IEEE.