

CALL FOR PAPERS

Wireless Communications Symposium, ICNC 2017

Silicon Valley, USA, Jan. 26-29, 2017

<http://www.conf-icnc.org/2017/>

Symposium Co-chairs

Teng Joon Lim, National University of Singapore, Singapore, Email: eleltj@nus.edu.sg

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Scope

The Wireless Communications Symposium will focus on topics related to all aspects of Physical layer (PHY), MAC layer, Cross-layer, and Physical layer-related network analysis and design. To ensure complete coverage of the advances in wireless communications technologies for current and future systems, the Wireless Communications Symposium invites original contributions in, but not limited to, the following topical areas:

- Antennas, smart antennas, and space-time processing
- Broadband wireless access techniques, systems, and standards
- Cognitive radio communications
- Channel modeling and propagation
- Cross-layer design and physical-layer based network issues
- Device-to-device (D2D) and machine-to-machine (M2M) communications
- Distributed, relay assisted, and cooperative communications
- Energy harvesting communications & Wireless power transfer
- Full-duplex radio communications
- Green communications
- Heterogeneous and small-cell networks
- Hybrid communication systems (e.g. satellite/terrestrial/wireline hybrids)
- Interference characterization and modeling
- Interference management, alignment, and cancellation
- Localization and navigation techniques
- Maritime, space and underwater communications
- Millimeter wave and Terahertz communications
- MIMO, multi-user MIMO, and massive MIMO
- Modulation, coding, and diversity techniques
- Multiple access techniques and air interfaces
- OFDM and multi-carrier systems
- Performance analysis of wireless systems
- Physical-layer network coding
- Physical-layer security
- Physical-layer aspects of wireless sensor networks

- Radio resource management
- Radio Systems Virtualization
- Ultra-wideband communications (UWB)
- Underwater wireless communications
- Visible light communications
- Wireless communications testbeds, field tests, and measurements

Submission Guidelines

Authors should follow the instructions at <http://www.conf-icnc.org/2017/author.htm>

Direct paper submission web link of this symposium can be found at <http://www.conf-icnc.org/2017/cfp.htm>

Paper Submission	5 July 2016
Acceptance Notification	20 September 2016
Camera-ready Paper	20 October 2016
Conference	26-29 January 2017

Short biography of co-chairs

Teng Joon Lim obtained the B.Eng. degree in Electrical Engineering with first-class honours from the National University of Singapore in 1992, and the Ph.D. degree from the University of Cambridge in 1996. From September 1995 to November 2000, he was a researcher at the Centre for Wireless Communications in Singapore, one of the predecessors of the Institute for Infocomm Research (I2R). From December 2000 to May 2011, he was Assistant Professor, Associate Professor, then Professor at the University of Toronto's Edward S. Rogers Sr. Department of Electrical and Computer Engineering. Since June 2011, he has been a Professor at the National University of Singapore's Electrical & Computer Engineering Department, where he currently serves as Vice-Dean (Graduate Programmes) in the Faculty of Engineering. Professor Lim is an Area Editor of the IEEE Transactions on Wireless Communications, and previously served as an Associate Editor for the same journal. He is also serving as an Associate Editor for IEEE Wireless Communications Letters. Previously he was an Associate Editor for IEEE Signal Processing Letters and for IEEE Transactions on Vehicular Technology. He has co-chaired a number of IEEE conferences, is a TPC co-chair for IEEE Globecom 2017 in Singapore, and is a regular TPC member at major international conferences. His research interests span many topics within and adjacent to wireless communications, including the Internet of Things, heterogeneous networks, cooperative transmission, energy-optimized communication networks, multi-carrier modulation, MIMO, cooperative diversity, cognitive radio, and stochastic geometry for wireless networks, and he has published widely in these areas.

Xianghui Cao received the B.S. and Ph.D. degrees in control science and engineering from Zhejiang University, Hangzhou, China, in 2006 and 2011, respectively. From December 2007 to June 2009, he was a visiting student at Department of Computer Science, University of Alabama, Tuscaloosa, AL, USA. In December 2011, he was a visiting scholar at Simula Research Lab, Oslo, Norway. From July 2012 to July 2015, he was a Senior Research Associate with Department of Electrical and Computer Engineering, Illinois Institute of Technology, Chicago, IL, USA. Currently he is an Associate Professor with School of Automation, Southeast University, Nanjing, China. His research interests span topics including cognitive

radio networks, mobile and vehicular wireless networks, wireless network energy efficiency and security, and cyber-physical systems. He served as Publicity Co-chair for ACM MobiHoc 2015, Symposium Co-chair for IEEE/CIC ICC 2015, Program Vice-chair for ANT 2016, and as a TPC Member for a number of conferences. He also serves as an Associate Editor for KSII Transactions on Internet and Information Systems, Security and Communication Networks (Wiley) and International Journal of Ad Hoc and Ubiquitous Computing, and Guest Editor for Asian Journal of Control and IET Control Theory and Applications. He was a recipient of the Best Paper Runner-Up Award from ACM MobiHoc 2014.