

# **Call for papers**

## **Wireless Networks Symposium, ICNC 2014**

Honolulu, Hawaii, USA, February 3-6, 2014

<http://www.conf-icnc.org/2014>

### **Symposium Co-chairs**

Jun Li, Communications Research Centre, Canada,

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### **Scope**

Wireless networks are expected to encompass heterogeneous access technologies and the Internet backbone for providing services to both mobile and stationary users. The Wireless Networks Symposium will focus on topics related to all aspects of PHY/MAC layer, Network layer, Transport layer, as well as Cross-layer. 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 development, and to promote and accelerate standardization and services of current and future wireless networks. This symposium presents original contributions in, but not limited to, the following topical areas:

- 4G and beyond wireless networks
- 60 GHz mm-wave networks
- Network capacity analysis
- Cognitive wireless networks
- Cross-layer design and optimization
- D2D communications
- Energy efficient wireless networking
- Femtocell/Picocell networks
- Flow control and congestion control
- Green wireless networking
- Integration of heterogeneous wireless networks
- Measurement studies in wireless networks
- Medium access control
- Mobile cloud computing
- Mobility, handoff, and location management
- Multimedia communications over wireless networks
- Network architecture
- Network planning
- Optimization and game theory for wireless networking
- Personal/Home/Neighborhood area networks
- QoS provisioning

- Resource allocation in wireless networks
- Smart grid networks
- Traffic modeling and management
- Testbed development and deployment
- Underwater networks
- Ultra-wideband networks
- Wireless ad-hoc and mesh networks
- Wireless local area networks
- Wireless personal area networks
- Wireless networking standards
- Wireless sensor networks

### **Submission Guidelines**

Please follow the author instructions at <http://www.conf-icnc.org/2014/author.htm>

Direct paper submission weblink of this symposium can be found at <http://www.conf-icnc.org/2014/cfp.htm>

### **Short biography of co-chairs**

#### **Jun Li**

Jun Li received his Ph.D. degree from the School of Mathematics and Statistics of Carleton University, Canada, in 2008. Dr. Li joined the Communications Research Centre Canada (CRC) in 2009 and has been a research scientist at CRC since then. He has published more than forty conference and journal papers. His research interests include wireless network protocol design, modeling/analysis/simulation for wireless (mobile) networks, and communication network performance evaluation/optimization. Dr. Li is a member of the technical program committees of many international conferences including IEEE ICC, IEEE GLOBECOM, IEEE WCNC, IEEE ICCCN and MILCOM. He serves as Publication Chair on the International Conference on Ad Hoc Networks (ADHOCNETS 2012, 2013) and as Symposium Co-Chair of the Network Algorithms and Performance Evaluation symposium on the second International Conference on Computing, Networking, and Communications (ICNC'2013). He is a Senior Member of IEEE serving as Vice Chair of the Joint Chapter of Signal Processing, Oceanic Engineering, and Geoscience and Remote Sensing (SP/OE/GRS) of the IEEE Ottawa Section.

#### **Yan Xin**

Yan Xin received the B.E. degree in electronics engineering from Beijing University of Technology, Beijing, China, in 1992, the M. Sc. degree in mathematics, the M.Sc. degree in electrical engineering, and the Ph.D. degree in electrical engineering from University of Minnesota, Minneapolis, in 1998, 2000, and 2003, respectively. From 2004 to 2008, he was an assistant professor in the Department of Electrical and Computer Engineering, National University of Singapore. He was a research staff member at NEC Laboratories America Inc., Princeton, New Jersey from 2008 to 2012. He is now with Samsung Dallas Technology Laboratories, Richardson, Texas. His research interests include MIMO Communications, Cognitive radio and network information theory. He received the 2004 IEEE Marconi Prize Paper Award in wireless communications from IEEE Communications society.

#### **Prof. Shaowei Wang**

Shaowei Wang is an associate professor in the School of Electronic Science and Engineering at Nanjing University (<http://ese.nju.edu.cn/wangsw/>). He received B.S., M.S. and Ph.D. degrees in electronic engineering from Wuhan University, China, in 1997, 2003, and 2006, respectively (with honors). From 1997 to 2001, he was a research scientist of China Telecom, China. He joined the School of Electronic Science & Engineering at Nanjing University as an Assistant Professor in 2006, where he has been an Associate Professor since 2008. He was with The University of British Columbia as a Visiting Associate Professor, Canada, in the first half of 2012. From July 2012 to July 2013, he was/is with Stanford University as a visiting scholar. His research interests are mainly in wireless communications

& networks, optimization and machine learning. He served/s as the Publicity Co-Chair of the 17th/18th IEEE Symposium on Computers and Communication (ISCC 2012/2013) , the Tutorial Co-Chair of the 3rd IEEE International Conference on Smart Grid Communications (SmartGridComm2012) . He is a guest editor of IEEE Wireless Communications magazine special issue on “Enhancing Spectral Efficiency for LTE-Advanced and Beyond Cellular Networks”.