

# Call for papers

## Network Algorithm & Performance Evaluation Symposium, ICNC 2014

Honolulu, Hawaii, Feb. 3-6, 2014

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

### Symposium Co-chairs

David Tipper, University of Pittsburgh

Email: [tipper@tele.pitt.edu](mailto:tipper@tele.pitt.edu)

Bo Rong, Communications Research Centre Canada

Email: [bo.rong@ieee.org](mailto:bo.rong@ieee.org)

Qian (Clara) Li, Intel Corporation

Email: [liqian@ieee.org](mailto:liqian@ieee.org)

### Scope

The Network Algorithms and Performance Evaluation Symposium will focus on topics related to all aspects of network algorithms and evaluation techniques. Of special interest are papers reporting on novel and practical solutions to routing, QoS, topology control, energy-aware design, security modeling and large scale performance models. To ensure complete coverage of the advances in algorithms and performance analysis techniques for current and future systems, the Symposium solicits original contributions in, but not limited to, the following topical areas:

- Performance Models
- Simulation Methods and Tools
- Security Modeling and Measurements
- Network Planning and QoS Provisioning
- Cognitive Protocols and Evaluations
- Energy-Efficient Protocols
- Localized Algorithms for Data Routing
- Localized Algorithms for Network Configuration
- Wireless Sensor Network Algorithms
- Localization and Mobility Management
- Adaptive Routing
- Dynamic Bandwidth Allocation
- Admission and Congestion Controls
- Resource allocation and scheduling
- Performance and Reliability Tradeoffs
- Network Survivability
- Network coding
- Network Security and Anomaly Detection
- Traffic and Performance Monitoring, Measurements and Forecasting
- Performance of Overlay Networks and Over the Top Services
- Performance Models for Voice, Video, Data, and P2P Applications
- Performance Models of Cloud Based Services

### 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

**David Tipper** is the Director of the Graduate Telecommunications and Networking Program and a faculty member at the University of Pittsburgh, Pittsburgh, PA. He is a graduate of the University of Arizona (Ph.D. EE, MS SIE) and Virginia Tech (BS EE). His current research interests are survivable networks, performance analysis techniques, wireless/wired network design and information assurance. Professor Tipper's research has been supported by grants from various government and corporate sources such as NSF, DARPA, NIST, IBM, ARO and AT&T. Professional activities include serving as the General Chair of the 7th Design of Reliable Communication Networks Workshop (DRCN2009) and co-guest editor of a special issue of the journal Telecommunication Systems on *Reliable Networks Design and Modeling* which appeared in 2013. He is the co-author of the textbook *The Physical Layer of Communication Systems*, which was published by Artech House in 2006. Also, he is the co-editor and a contributor to *Information Assurance: Dependability and Security in Networked Systems*, which was published by Morgan Kaufmann in 2008.

**Bo Rong** received the B.S. degree from Shandong University in 1993, the M.S. degree from Beijing University of Aeronautics and Astronautics in 1997, and the Ph.D. degree from Beijing University of Posts and Telecommunications in 2001. He is currently a Research Scientist with Communications Research Centre Canada, Ottawa, ON. He is also an Adjunct Professor at Ecole de technologie superieure (ETS), Universite du Quebec, Canada. Dr. Rong has authored or coauthored over 70 technical papers in major journals and conferences, as well as two book chapters in the areas of wireless networking & communications. Dr. Rong's current research interests include cognitive wireless access, OFDM, channel coding, network coding, cooperative networks, and 5G wireless networks. He served or is serving as symposium technical program committee membership of many major IEEE conferences, including ICC, and GLOBECOM, etc. He is a Member of IEEE, Members of IEEE Communication Society and IEEE Broadcasting Society.

**Qian (Clara) Li** is a senior research scientist at the Mobile and Communications Group, Intel Corporation. She received the B.E. and M.S. degrees in information engineering from Nanjing University of Posts and Telecommunications, Nanjing, China, in 2003 and 2006, respectively, and Ph.D. degree in communication engineering from Nanyang Technological University, Singapore in 2011. Prior joining Intel, Dr. Li was a post-doctor researcher in Utah State University, US. Her research interests include cross-layer design for LTE wireless communication networks, network information theory, cooperative communication systems and multiple-input-multiple-output (MIMO) systems. She has served as reviewer for several international journals and conferences. She has also served as TPC member for IEEE ICC2009, IEEE ICC2012, IEEE GLOBECOM2012, IEEE SmartGridComm2012 and IEEE GLOBECOM2013.