

**Call for papers**  
**Wireless Networks Symposium**  
**ICNC 2018**

Maui, Hawaii, USA, March 5-8, 2018

<http://www.conf-icnc.org/2018/>

**Symposium Co-chairs**

**Hongxiang Li**, University of Louisville, USA, [h.li@louisville.edu](mailto:h.li@louisville.edu)

**Pan Li**, Case Western Reserve University, USA, [lipan@case.edu](mailto:lipan@case.edu)

**Raffaele Bruno**, IIT-CNR, Italy, [raffaele.bruno@iit.cnr.it](mailto:raffaele.bruno@iit.cnr.it)

**Scope**

Wireless networks serve as a critical enabler to empower and promote new technologies and services. The emerging services, in turn, evolve wireless networks in various aspects, such as new topologies, advanced technologies, more efficient protocols, new applications and systems, etc. This symposium will present original work on the research and development of all these new advancements, including the new tools and methodologies for designing and analyzing wireless networks. The scope of this symposium includes, and is not limited to:

- 5G networks
- Software-defined mobile/wireless networks
- Wireless network functions virtualization
- Fog computing and networking
- Hybrid networks
- Integrated wireless/optical networks
- Visible light communications
- Cross layer design
- Smart cities
- Internet of Things
- Wireless network security, privacy and trust
- Energy systems and smart grids
- Cyber-physical systems
- Mesh, relay, sensor and vehicular networks
- Wireless body area networks
- Wireless LANs
- Cognitive radio and networking
- Underwater networks
- Personal/Home/Neighbourhood area networks
- Ultra-wideband networks
- Femtocell/Picocell/Microcell in HetNet
- Green wireless networking
- Wireless broadcast, multicast and streaming
- QoS provisioning
- Mobility, handoff, and location management
- MAC protocols for wireless networks
- Routing in wireless networks

- Flow control and congestion control
- Energy-efficient algorithms and protocols
- Multimedia communications over wireless networks
- Traffic modeling and traffic management
- Pricing and billing
- Optimization and game theory for wireless networking
- Testbed development and deployment
- Wireless network measurements and characterization
- Wireless networking standards
- Integration of heterogeneous wireless and wireline networks
- Resource management and optimization
- Mobile cloud and mobile edge computing

### Submission Guidelines

Please follow the author instructions at <http://www.conf-icnc.org/2018/author.htm>

Direct paper submission for this symposium can be found at <http://www.conf-icnc.org/2018/cfp.htm>

### Short biography of co-chairs

**Raffaele Bruno** is a researcher at the Institute of Informatics and Telematics of CNR. He received his Ph.D. in Information Engineering in 2003 from the University of Pisa, Italy. His current research interests concern various topics in the broad areas of cyber-physical systems and Smart Cities, ranging from the design, modelling and performance evaluation of IoT architectures and network protocols for mobile networks and wireless communications systems (5G in particular), to the modelling and control of green and one-demand mobility systems, and energy efficient buildings. He has published in journals and conference proceedings more than 90 papers. He served as guest editor for special issues/fast track sections in Elsevier Pervasive and Mobile Computing journal and Elsevier Computer Communications journal. He is currently on the editorial board of Elsevier Computer Communication journal. He was workshop co-chair of IEEE PerSeNS 2006, IEEE MASS-GHS07, IEEE HotMESH 2009-2011, and IEEE SmartVehicles 2014-2015. He was also TPC chair of ACM Q2SWinet 2012, IFIP/IEEE SustainIT 2013 and IEEE WoWMoM 2016. More information can be found at <http://cnd.iit.cnr.it/rbruno/>

**Pan Li** received the B.E. degree in Electrical Engineering from Huazhong University of Science and Technology, Wuhan, China, in 2005, and the Ph.D. degree in Electrical and Computer Engineering from University of Florida, Gainesville, in 2009, respectively. He is currently an Associate Professor in the Department of Electrical Engineering and Computer Science at Case Western Reserve University. His research interests include network science and economics, energy systems, security and privacy, and big data. He has served as an Editor for IEEE Wireless Communications Letters, IEEE Journal on Selected Areas in Communications -- Cognitive Radio Series, and IEEE Communications Surveys and Tutorials, a Feature Editor for IEEE Wireless Communications.

**Hongxiang Li** is currently an Associate Professor with the Department of Electrical and Computer Engineering at University of Louisville, USA. As a visiting faculty, he spent the summers of 2012 and 2013 in the Air Force Rome Lab and NASA Glenn Research Center respectively. He received a B.E. degree from Xi'an Jiaotong University, a M.S. degree from Ohio University, and a Ph.D. degree from University of Washington-Seattle, all in electrical engineering. His research interests include wireless communications and networks, big data and machine learning, system implementation and prototyping. He has published over 100 peer-reviewed articles in the field. His research has been funded by NSF, NASA and DoD. He is

the recipient of the 2012 Ralph E. Powe Junior Faculty Enhancement Award. He is a senior member of IEEE and an editor of IEEE Communication Letters.