

Call for Papers

Network Algorithms and Performance Evaluation (NAPE)

ICNC 2019

Honolulu, Hawaii, USA, Feb 18-21, 2019

<http://www.conf-icnc.org/2019/>

Symposium Co-chairs

Stefano Basagni, Northeastern University, USA, basagni@ece.neu.edu

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Scope

The Network Algorithms and Performance Evaluation (NAPE) Symposium will focus on topics related to all aspects of network algorithms and evaluation techniques. Of special interest are papers reporting on novel, practical and theoretical 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:

- Adaptive Routing
- Admission and Congestion Controls
- Cognitive Protocol Designs and Evaluations
- Dynamic Bandwidth Allocation
- Energy-Efficient Protocols
- Localization and Mobility Management
- Localized Algorithms for Data Routing
- Localized Algorithms for Network Configuration
- Network Coding
- Network Performance and Protocol Optimization
- Network Planning and QoS Provisioning
- Network Security and Anomaly Detection
- Network Survivability
- Performance and Reliability Tradeoffs
- Performance Modeling and Analysis Techniques
- Performance Models for Voice, Video, Data, and P2P
- Performance Models of Cloud Based Services
- Performance of Overlay Networks & Over the Top Services
- Resource Allocation and Scheduling
- Security Modeling and Measurements
- Simulation Methods and Tools
- Traffic Monitoring, Measurements and Forecasting
- Intelligent Vehicular Networking
- Underwater Networking Algorithms

Submission Guidelines

Please follow the author instructions at <http://www.conf-icnc.org/2019/author.htm>

Direct paper submission for this symposium can be found at <http://www.conf-icnc.org/2019/cfp.htm>

Short biography of co-chairs

Chen Chen (S'07-M'09-SM'17) received the Ph.D. degree from Peking University, China, in 2009, where he is currently an Associate Professor. His general research interests are in areas of signal processing, wireless communications and networking, subject on which he has published over 50 journal papers, 30 conference papers, and two books. Since 2010, he has been the principal investigator of over 10 funded research projects. He was a recipient of three Outstanding Paper Awards from the Chinese Government of Beijing, and the Best Paper Awards at IEEE ICNC 2017. He has served as the symposium co-chair, and a technical program committee member for several international conferences.

Stefano Basagni holds a Ph.D. in electrical engineering from the University of Texas at Dallas (December 2001) and a Ph.D. in computer science from the University of Milano, Italy (May 1998). He received his B.Sc. degree in computer science from the University of Pisa, Italy, in 1991. He is currently associate professor at the Department of Electrical and Computer Engineering at Northeastern University, in Boston, MA.

Dr. Basagni's current research interests concern research and implementation aspects of mobile networks and wireless communications systems, wireless sensor networking for IoT (underwater and terrestrial), definition and performance evaluation of network protocols and theoretical and practical aspects of distributed algorithms.

Dr. Basagni has published over seven dozen of highly cited, refereed technical papers and book chapters. His h-index is 39 (April 2018). He is also co-editor of three books. Dr. Basagni served as a guest editor of multiple international ACM/IEEE, Wiley and Elsevier journals and has been organizer and TPC co-chair of several international conferences.

Dr. Basagni serves as a member of the editorial board, the organizing committee and of the technical program committee of ACM and IEEE journals and international conferences. He is a distinguished scientist of the ACM, a senior member of the IEEE, a member of ASEE (American Society for Engineering Education) and of CUR (Council for Undergraduate Education).