

# Call for papers

## Network Algorithms and Performance Evaluations Symposium (NAPE)

IEEE ICNC 2023

Honolulu, Hawaii, USA, Feb 20-22, 2023

<http://www.conf-icnc.org/2023>

### Symposium Co-Chairs

Jemal Abawajy, Deakin University, Australia ([jemal.abawajy@deakin.edu.au](mailto:jemal.abawajy@deakin.edu.au))

Noriaki Kamiyama, Ritsumeikan University, Japan ([kamiaki@fc.ritsumei.ac.jp](mailto:kamiaki@fc.ritsumei.ac.jp))

### 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:

- Performance, quality of service, and quality of experience in multimedia applications
- 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
- Simulation Methods and Tools
- Traffic Monitoring, Measurements and Forecasting
- Intelligent Vehicular Networking
- Underwater Networking Algorithms

## **Submission Guidelines**

Perspective authors should follow the instructions at <http://www.conf-icnc.org/2023/author.htm> to prepare their manuscripts. All papers should be submitted via EDAS. Submission information can be found at <http://www.conf-icnc.org/2023/cfp.htm>.

## **Short Biographies of Co-Chairs**

### **Jemal Abawajy**

Dr. Jemal Abawajy is a full professor at Deakin University, Australia. An eminent highly cited scholar in efficiency, reliability and security of emerging technologies that include cloud computing, fog computing, Internet of Things, quantum computing, and blockchain. Prof. Abawajy have served/serving on the editorial board of numerous international journals and more than 400 international academic conferences in various capacities including Chair and Program Chair. Prof. Abawajy has given over 70 invited keynote speech, and numerous invited seminars all over the world.

### **Noriaki Kamiyama**

Noriaki Kamiyama received his M.E. and Ph.D. degrees in communications engineering from Osaka University in 1994 and 1996, respectively. From 1996 to 1997, he was with the University of Southern California as a visiting researcher. He joined NTT Multimedia Network Laboratories in 1997, and he has been at NTT Network Technology Laboratories by 2016. He was also with the Osaka University as an invited associate professor from 2013 to 2014 and an invited professor in 2015. From 2017, he has been a professor of Fukuoka University. From 2021, he is a professor of Ritsumeikan University. He has been engaged in research concerning content distribution systems, network design, network economics, traffic measurement and analysis, and traffic engineering. He received the best paper award at the IFIP/IEEE IM 2013.