



# 13<sup>th</sup> International Conference on Network and Service Management

26 - 30 November 2017, Tokyo, Japan

## Preliminary Call for Papers

<http://www.cnsm-conf.org/2017/>

The [13<sup>th</sup> International Conference on Network and Service Management](http://www.cnsm-conf.org/2017/) (CNSM) is inviting authors to submit original contributions in the network and service management research area. CNSM 2017 is a selective single-track conference, covering all aspects of the management of networks and services, pervasive systems, enterprises, and cloud computing environments. The core track is accompanied by a series of workshops and poster sessions.

Papers accepted and presented at CNSM 2017 will be published open access on the conference Web site (with IFIP copyright) and will be submitted for possible inclusion in IEEE Xplore, ACM and IFIP Digital Libraries. Authors of selected papers accepted for publication in CNSM 2017 proceedings will be invited to submit an extended version of their papers to the IEEE Transactions on Network and Service Management journal.

## Topics of Interest (but not limited to)

### Network Management

- Software-defined networks
- Virtual networks
- Overlay networks
- Wireless networks and cellular networks
- Wireless sensor networks
- Internet of Things networks
- Information-centric networks
- Enterprise networks and campus networks
- Data center networks
- Optical networks
- IP networks
- Home networks
- Access networks
- SCADA networks and distributed control systems
- Smart Cities and Smart Grids

### Management Paradigms

- Centralized management
- Distributed management
- Hierarchical management
- Federated management
- Autonomic and cognitive management
- Policy-based management
- Pro-active management
- Energy-aware management
- Quality of experience-centric management

### Service Management

- Cloud computing services
- Content delivery services
- Multimedia services
- Internet connectivity and Internet access
- Internet of Things services
- Security services
- Context-aware services
- Information technology services

### Business Management

- Economic aspects
- Multi-stakeholder aspects
- Service level agreements
- Lifecycle aspects
- Process and workflow aspects
- Legal perspective
- Regulatory perspective
- Privacy aspects

### Functional Areas

- Deployment management
- Fault management
- Configuration management
- Accounting management
- Performance management
- Security management

### Management Technologies

- Network function virtualization
- Software-defined networking
- Orchestration
- Cloud computing and cloud storage
- Communication protocols
- Middleware
- Data models, information models semantic models
- Operations support systems and business support systems
- Information visualization

### Methods

- Mathematical optimization
- Control theory
- Probability theory, stochastic processes, and queuing theory
- Machine learning
- Evolutionary algorithms
- Economic theory and game theory
- Mathematical logic and automated reasoning
- Data mining and (big) data analysis
- Monitoring and measurements
- Computer simulation experiments
- Prototype implementation and testbed experimentation
- Field trials

Authors are invited to submit original contributions that have not been published or submitted for publication elsewhere. Papers should be prepared using the IEEE 2-column conference style and are limited to 8 pages excluding references (full papers) or 4 pages excluding references (short papers). They have to be submitted electronically in PDF format through EDAS. Papers exceeding page limits, multiple submissions, and self-plagiarized papers will be rejected without further review. All other papers will sustain a thorough single-blind review process, followed by a rebuttal phase.

For more information please check

<http://www.cnsm-conf.org/2017/>

## Important Dates

**Paper Submission:** June 12, 2017  
**Rebuttal Phase:** Aug. 6-12, 2017  
**Acceptance Notification:** Aug. 27, 2017  
**Camera Ready due:** Oct. 7, 2017  
**Conference:** Nov. 26 – 30, 2017

## General Co-Chairs:

Yoshiaki Tanaka, Waseda Univ., Japan  
Yoshiaki Kiriha, The Univ. of Tokyo, Japan

## Vice Chair:

Shingo Ata, Osaka City Univ., Japan

## Technical Program Co-Chairs:

Carol Fung, Virginia Commonwealth Univ., USA  
Kazuhiko Kinoshita, Tokushima Univ., Japan  
Steven Latré, Univ. of Antwerp - imec, Belgium