



# 16th International Conference on Network and Service Management

2-6 November 2020, Izmir, Turkey

## CALL FOR PAPERS

The 16th International Conference on Network and Service Management (CNSM) is inviting authors to submit original contributions in the area of network and service management research. CNSM 2020 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 will be accompanied by a series of workshops and poster sessions.

Papers accepted and presented at CNSM 2020 will be published as open access on the conference website (with IFIP copyright), and will be submitted to IEEE Xplore Digital Library. Authors of selected papers, accepted for publication in the CNSM 2020 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 and cellular networks
- 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
- 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, artificial intelligence
- Evolutionary computing
- 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/2020/>

### Important Dates

Paper Submission: **21 June 2020**  
Acceptance Notification: **08 Aug 2020**  
Camera Ready due: **30 Aug 2020**

### General Co-Chairs:

Nur Zincir-Heywood, Dalhousie University, Canada  
Mehmet Ulema, Manhattan College, USA

### Technical Program Co-Chairs:

Muge Sayit, Ege University, Turkey  
Stuart Clayman, University College London, UK

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