



17th International Conference on Network and Service Management

Smart Management for Future Networks and Services
25-29 October 2021, Izmir, Turkey

CALL FOR PAPERS

The 17th International Conference on Network and Service Management (CNSM) is inviting authors to submit original contributions in network and service management research. CNSM 2021 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 2021 will be published as open access on the conference website and will be submitted to IEEE Xplore and IFIP Digital Libraries. Authors of selected papers, accepted for publication in the CNSM 2021 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
- Information-centric networks
- Enterprise and campus networks
- Data center networks
- Optical networks
- Home networks
- Access networks
- Smart cities and Smart grids

Management Technologies

- Network function virtualization
- Software-defined networking
- Orchestration
- Network slicing
- Service function chaining
- Cloud computing and cloud storage
- Edge/Fog computing
- Middleware
- Data models and semantic models
- Operations support systems and business support systems

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

Methods

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

Management Paradigms

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

Business Management

- Economic/financial aspects
- Multi-stakeholder aspects
- Service level agreements
- Lifecycle aspects
- Process & workflow aspects
- Privacy aspects

Functional Areas

- Fault management
- Configuration management
- Performance management
- Security management
- Accounting Management

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 9 pages including references (full papers) or 5 pages including references (short papers). They have to be submitted electronically in PDF format through EDAS at <https://www.edas.info/newPaper.php?c=28015>

For more information please check <http://www.cnsm-conf.org/2021/>

Important Dates

Paper Submission: **28 May 2021**
Acceptance Notification: **15 July 2021**
Camera Ready due: **1 Aug 2021**

<http://www.cnsm-conf.org/2021/>

Technical Program Co-Chairs:

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

General Co-Chairs:

Prosper Chemouil, Cnam, France
Mehmet Ulema, Manhattan College, USA

