



## 18th International Conference on Network and Service Management

*Intelligent Management of Disruptive Network Technologies and Services*  
31 October - 4 November 2022, Thessaloniki, Greece

### CALL FOR PAPERS

The 18th International Conference on Network and Service Management (CNSM) is inviting authors to submit original contributions in network and service management research. CNSM 2022 is a selective single-track conference, covering all aspects of the management of networks and services, pervasive systems, enterprises, and cloud computing environments. CNSM 2022 is technically co-sponsored by the IEEE Communications Society, IFIP, and ACM's in-Cooperation support. The core track will be accompanied by a series of workshops and poster sessions.

Papers accepted and presented at CNSM 2022 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 2022 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

- IP Networks
- Wireless and Cellular Networks
- Optical Networks
- Virtual Networks
- Home Networks
- Access Networks
- Fog and Edge Networks
- Wide Area Networks
- Enterprise and Campus Networks
- Data Center Networks
- Industrial Networks
- Vehicular Networks
- Internet of Things and Sensor Networks
- Information-Centric Networks

#### Technologies

- Communication Protocols
- Middleware
- Overlay Networks
- Peer-to-Peer Networks
- Cloud Computing and Cloud Storage
- Data, Information, and Semantic Models
- Information Visualization
- Software-Defined Networking
- Network Function Virtualization
- Orchestration
- Operations and Business Support Systems
- Control and Data Plane Programmability
- Distributed Ledger Technology

#### Service Management

- Multimedia Services
- Content Delivery Services
- Cloud Computing Services
- Internet Connectivity and Internet Access Services
- Internet of Things Services
- Security Services
- Context-Aware Services
- Information Technology Services
- Microservices-based Applications
- Service Assurance

#### Methods

- Mathematical Logic and Automated Reasoning
- Optimization Theories
- Control Theory
- Probability Theory, Stochastic Processes, and Queuing Theory
- Artificial Intelligence and Machine Learning
- Evolutionary Algorithms
- Economic Theory and Game Theory
- Monitoring and Measurements
- Data Mining and (Big) Data Analysis
- Computer Simulation Experiments
- Testbed Experimentation and Field Trials
- Software Engineering Methodologies

#### Management Paradigms

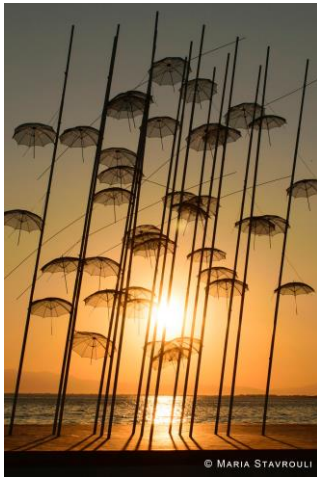
- Centralized Management
- Hierarchical Management
- Distributed Management
- Federated Management
- Autonomic and Cognitive Management
- Policy- and Intent-Based Management
- Model-Driven Management
- Pro-active Management
- Energy-aware Management
- QoE-Centric Management

#### Business Management

- Economic Aspects
- Multi-Stakeholder Aspects
- Service Level Agreements
- Lifecycle Aspects
- Process and Workflow Aspects
- Legal Perspective
- Regulatory Perspective
- Privacy Aspects
- Organizational Aspects

#### Functional Areas

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



### Important Dates

Paper Registration:  
8 July 2022  
Paper Submission:  
8 July 2022  
Acceptance Notification:  
19 August 2022  
Camera Ready due:  
2 September 2022

### Technical Program Co-Chairs:

Walter Cerroni,  
University of Bologna, Italy  
Salil Kanhere,  
University of New South Wales,  
Australia  
Lefteris Mamas,  
University of Macedonia, Greece

### General Co-Chairs:

Marinos Charalambides,  
Huawei Technologies, Belgium  
Panagiotis Papadimitriou,  
University of Macedonia, Greece



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). Papers should be submitted electronically in PDF format through EDAS at <https://edas.info/index.php?c=29457>.

For further information, please check <http://www.cnsm-conf.org/2022/>.