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. 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 IFIP Digital Library. 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

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/.

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