20th International Conference on Network and Service Management

AI-Powered Network and Service Management for Tomorrow's Digital World
28 - 31 October 2024, Prague, Czech Republic

CALL FOR PAPERS

The 20th International Conference on Network and Service Management (CNSM) is inviting authors to submit original contributions in network and service management research. CNSM is a selective single-track conference, covering all aspects of the management of networks and services, pervasive systems, enterprises, and cloud computing environments. In particular, CNSM 2024 will focus on AI-Powered Network and Service Management for Tomorrow's Digital World.

Papers accepted and presented at CNSM 2024 will be published as open access on the conference website and will be submitted for possible publication in IEEE Xplore. Authors of selected papers accepted for publication in the CNSM 2024 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)

Technologies
- Communication Protocols
- Middleware
- Overlay Networks
- Peer-to-Peer Networks
- Computing and Storage in the Cloud Continuum
- Generative AI and Large Language Models
- Information Visualization
- Software-Defined Networking
- Network Function Virtualization
- Orchestration
- Operations and Business Support Systems
- Control and Data Plane Programmability
- Distributed Ledger Technology
- Digital Twins for Networks and Services
- Reinforcement Learning

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
- Service Assurance

Functional Areas
- Fault Management
- Configuration Management
- Accounting Management
- Performance Management
- Security Management

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

Methods
- Artificial Intelligence and Machine Learning
- 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

Paper Submission

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 must be submitted electronically in PDF format through EDAS at https://edas.info/N32230.

Papers exceeding page limits, multiple submissions, and self-plagiarized papers will be rejected without further review. All other papers will get a thorough single-blind review process, followed by a rebuttal phase.

For further information, please check http://www.cnsm-conf.org/2024/.

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