2024 IEEE Network Operations and Management Symposium (NOMS 2024)
6-10 May 2024 Seoul, Korea
Towards intelligent, reliable, and sustainable network and service management

● ● ● Call for Papers ● ● ●

IEEE Network Operations and Management Symposium (NOMS 2024) will be held May 6-10, 2024 in Seoul, Korea. First organized in 1988, NOMS 2024 follows the 36 years tradition of NOMS and IM as the primary IEEE Communications Society's forum for technical exchange on network and service operations and management, focusing on research, development, integration, standards, service provisioning, and user communities. The theme of NOMS 2024 is "*Towards intelligent, reliable, and sustainable network and service management.*" NOMS 2024 will offer various types of sessions, including keynotes, technical, experience, poster, panel, tutorial and PhD dissertation. High quality is assured through a well-qualified Technical Program Committee (TPC) and stringent peer review of paper submissions. Papers can be submitted as full or short technical session papers, experience session papers, and dissertation papers. In addition, we invite proposals for demonstrations, exhibitions, panels, tutorials, and workshops. Please be advised that NOMS 2024 will be an in-person only event, and virtual presentation or attendance will not be available.

Topics of Interest

Authors are invited to submit papers that fall into or are related to the following topics of interest:

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
- IoT and Sensor Networks
- Information-Centric Networks
- 5G network and Beyond (6G)

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

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

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

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
- Digital Twin

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

Paper submission guidelines

Authors are invited to submit original contributions written in English that have not been published or submitted for publication elsewhere. Technical papers must be formatted using the IEEE 2-column format and not exceed 8 pages (excluding references) for full paper submissions or not exceed 4 pages (excluding references) for short paper submissions. All papers should be submitted through JEMS at https://jems3.sbc.org.br/noms2024.

All submitted papers will be peer-reviewed. Accepted and presented papers will be published in the conference proceedings and submitted to IEEE Xplore. Authors of the best accepted papers will be invited to submit extended versions of their papers to a fast-tracked, special issue of Wiley's International Journal of Network Management (IJNM).

Important Dates:
- Paper Submission Deadline: **Oct. 27, 2023 (Extended)**
- Notification of Acceptance: Dec. 22, 2023
- Final Camera Ready: Feb. 2, 2024

General Chair:
- James Won-Ki Hong, POSTECH, Korea

TPC Co-Chairs:
- Baek-Young Choi, UMKC, USA
- Roberto Riggio, Università Polittecnica delle Marche, Italy
- Myung-Sup Kim, Korea University, Korea