IEEE/IFIP Network Operations and Management Symposium
8-12 May 2023 // Miami, FL // USA
Integrated Management Towards Resilient Networks and Services

● ● ●   Call for Papers   ● ● ●

The 19th IEEE/IFIP Network Operations and Management Symposium (NOMS 2023) will be held 8-12 May 2023 in Miami FL, USA. First organized in 1988, NOMS 2023 follows the 35 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 users communities. The theme of NOMS 2023 is "Integrated Management Towards Resilient Networks and Services." NOMS 2023 will offer various types of sessions, including technical, keynote, experience, poster, panel, and 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 and short technical session papers, experience session papers, and dissertation papers. In addition, we invite proposals for demonstrations, exhibits, panels, tutorials, and workshops.

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
- Internet of Things and Sensor Networks
- Information-Centric Networks

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

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

Important Dates:
- **Paper Submission Deadline**: September 12, 2022
- **Notification of Acceptance**: December 16, 2022
- **Final Camera Ready**: January 30, 2023

General Co-chairs:
- **Kemal Akkaya**, *FIU*, USA
- **Olivier Festor**, *Université de Lorraine*, France

TPC Co-chairs:
- **Mohammad Ashiqur Rahman**, *FIU*, USA
- **Carol Fung**, *Concordia University*, Canada
- **Lisandro Zambenedetti Granville**, *UFRGS*, Brazil