

Special Issue

Advanced Technologies in Network and Service Management

Message from the Guest Editors

Networks and their provided services keep increasing in speed, size, and complexity, creating ongoing challenges to their management and control requirements. As a result, emerging tools and advanced technologies are being solicited to provide key solutions for reliable and effective network and service management. This Special Issue invites researchers to contribute original papers in areas including (but not limited to) the following:

- Machine learning and artificial intelligence for network and service management;
- Innovative architectures and protocols for network and service management;
- Innovative technologies for network and service management;
- Cloud/fog/edge computing;
- Prototype implementation and testbed experimentation;
- Software-defined networks (SDN);
- Network function virtualization (NFV);
- Network orchestration;
- Network monitoring and measurements;
- Data mining and (big) data analysis;
- Fault management;
- Network security;
- Management based on the quality of experience;
- Energy-aware management;
- Simulations for network and service management;
- Analytical model for network and service management;
- Network optimization.

Welcome to contribute!

Guest Editors

Dr. Hakim Mellah

Computer Science & Software Engineering Department, Gina Cody School of Engineering, Concordia University, Montreal, QC, Canada

Dr. Filippo Malandra

Electrical Engineering Department, University at Buffalo, Buffalo, NY 14260, USA



Network

an Open Access Journal
by MDPI

Impact Factor 3.1
CiteScore 6.5



mdpi.com/si/101291

Network
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
network@mdpi.com

[mdpi.com/journal/
network](https://mdpi.com/journal/network)





Network

an Open Access Journal
by MDPI

Impact Factor 3.1
CiteScore 6.5



[mdpi.com/journal/
network](https://mdpi.com/journal/network)



About the Journal

Message from the Editor-in-Chief

Network provides full coverage of all topics of interest involved in the networking area. The purpose of this journal is to bring together researchers, engineers, and students from academia and industry to present novel ideas and solid research about the theoretical and practical aspects in the application domains of communications and networks. The primary focus of the journal is on the analysis, modeling, design, simulation, and implementation of networks. This journal will also serve to attract research concerning applying networking architectures and scenarios to emerging research topics such as Internet of Things (IoT), edge computing, distributed ledger technology, among others.

Editor-in-Chief

Prof. Dr. Alexey Vinel

School of Information Technology, Halmstad University, 301 18
Halmstad, Sweden

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within ESCI (Web of Science), Scopus, EBSCO, and other databases.

Journal Rank:

JCR - Q2 (Computer Science, Information Systems) /
CiteScore - Q1 (Engineering (miscellaneous))