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

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Network

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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

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 25.9 days after submission; acceptance to publication is undertaken in 4.6 days (median values for papers published in this journal in the second half of 2024).

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