

Special Issue

Artificial Intelligence for Network Management

Message from the Guest Editors

This Special Issue focuses on the use of AI and machine learning in network management. It is known that artificial intelligence (AI) is revolutionizing network management by enhancing efficiency, security and performance. AI-driven solutions enable automated network monitoring, predictive maintenance and proactive issue resolution. Machine learning algorithms analyze vast amounts of network data to detect anomalies, predict failures and optimize traffic flow. By continuously learning and adapting to network conditions, AI enhances the scalability and reliability of network infrastructure, ultimately leading to improved user experiences and operational efficiency. This Special Issue calls for papers on AI-powered network management that supports the growing complexity of modern networks, including cloud services, IoT devices and 5G technology.

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Deadline for manuscript submissions

15 April 2025



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