

Special Issue

Cybersecurity in the 5G Era

Message from the Guest Editors

The integration of 5G networks enables high-speed, low-latency communication while supporting emerging technologies such as the Internet of Things (IoT), cyber-physical systems (CPS), and cloud computing through key enablers such as the Network Function Virtualization (NFV) and Software Defined Networks (SDN). However, this convergence introduces critical security concerns. Topics of interest include, but are not limited to, the following:

- Privacy concerns in 5G architectures;
- Security mechanisms in 5G architectures;
- Security challenges in multi-access edge computing (MEC);
- Security challenges in cloud/edge/fog computing and SDN-enabled networks;
- Cybersecurity in the Internet of Things and/or cyber-physical systems;
- Security management in virtualized networks (NFV, network slicing);
- Cybersecurity risk and impact assessment in 5G networks;
- Resilience strategies to improve 5G network security;
- Intrusion detection and prevention in 5G networks;
- Traffic monitoring and analysis for 5G networks;
- Access control strategies in modern networks;
- Optimization approaches to enhancing 5G security;
- Security challenges in radio access networks (RANs).

Guest Editors

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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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