



5G Security: Challenges, Opportunities, and the Road Ahead

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Message from the Guest Editors

For this Special Issue we encourage high-quality research contributions—both theoretical and experimental—and timely survey papers that pinpoint future research directions in this field. Topics of interest include, but are not limited to, the following:

- Security protocols in 5G/6G architectures;
- Privacy issues in 5G/6G architectures;
- Security aspects in cloud/edge/fog computing;
- Security aspects in multi-access edge computing (MEC);
- Security aspects in the Internet of Things and/or cyber-physical systems;
- Security management in modern virtualized networks (NFV, SDN, network slicing);
- Machine learning/artificial intelligence for 5G/6G network security;
- Intrusion detection systems in 5G/6G networks;
- Traffic analysis applied to 5G/6G networks;
- Analytics and big data for network security;
- Optimization techniques to improve 5G/6G network security;
- Resilience strategies to improve 5G/6G network security;
- Security aspects in 5G/6G vehicular communications;
- Security aspects in 5G-oriented hardware (e.g., FPGA);
- Security aspects in smart environments and industrial systems.





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Message from the Editor-in-Chief

Future Internet is a fast-growing journal devoted to rapid publications of the latest results in the general areas of computer networking/communications and information systems, with a focus on the Internet of Things, big data and augmented intelligence, smart systems (in terms of technologies, architectures, and applications), network virtualization, edge/fog computing, and cybersecurity. Both theoretical and experimental papers are welcome. Every year, *Future Internet* also features Special Issues dedicated to specific topics within the journal's scope.

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