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Security and Privacy in Next-Generation Mobile Networks: Challenges, Solutions, and Innovations

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submissions:

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Message from the Guest Editor

The rapid evolution of mobile networks, particularly with the advent of 5G and the development of 6G technologies, is revolutionizing communication. However, this transformation also introduces significant challenges in terms of privacy and security.

This Special Issue addresses the critical privacy and security issues in next-generation mobile networks. We invite original research articles, review papers, and case studies that explore new theories, methodologies, and applications in this field. Contributions may include but are not limited to the following topics:

- Privacy-preserving techniques in 5G and 6G networks: Research on advanced cryptographic protocols and privacy-enhancing technologies designed to protect user data.
- Security frameworks for IoT and edge computing: Innovative approaches to securing IoT devices and edge computing infrastructures.
- Threat detection and mitigation: Development of advanced threat detection systems, intrusion detection/prevention systems (IDS/IPS), to protect mobile networks against cyber-attacks.
- Blockchain and distributed ledger technologies (DLT) in mobile security; Secure communication protocols, etc.



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Special Issue



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Message from the Editor-in-Chief

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