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IoT Network Security

Guest Editor:

Prof. Dr. Jian Li

School of Cyberspace Security,
Beijing University of Posts and
Telecommunications, Beijing,
China

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Message from the Guest Editor

Dear Colleagues,

The fast development of the Internet of Things (IoT) has involved enormous evolutions of IoT-empowered smart systems and applications via diverse networks, remote sensors, and endpoint appliances. IoT network security is critical largely because of the expanded attack surface of threats from vulnerabilities, malware, escalated cyberattacks, information theft and unknown exposure, device mismanagement, and misconfiguration, which are already plaguing networks.

This Special Issue aims to collect original research and review articles on recent advances, technologies, solutions, applications, and new challenges in the field of IoT security.

Potential topics include, but are not limited to:

- Trust theories and algorithms for IoT sensing networks;
- Quantum communication and quantum computing for IoT network security;
- Post-quantum cryptography and algorithms for IoT network security;
- Decentralized computing and collaborative learning for IoT network security;
- Machine/deep learning for IoT network security;
- AI-based data analytics for IoT network security;
- Blockchain-related applications for IoT network security.



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Special Issue



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Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria
Elettrica e dell'Informazione
(Department of Electrical and
Information Engineering),
Politecnico di Bari, Via Edoardo
Orabona n. 4, 70125 Bari, Italy

Message from the Editor-in-Chief

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Sensors Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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