Next Generation Networks and Systems Security

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Message from the Guest Editors

This Special Issue aims to present new research, as well as to highlight the latest results and current challenges, with respect to next-generation networks and systems security and privacy. In a highly evolving environment, where different technologies such as IoT networks, blockchain technologies, 5G Networks, Wi-Fi networks, cloud computing, etc. are being interconnected and expanded, new threats for security and privacy are constantly appearing. To address them, advanced technologies such as artificial intelligence, machine learning and deep learning, big data analysis, post-quantum cryptography, and privacy-enhancing technologies seem to have a crucial role.

This Special Issue seeks original unpublished papers in this area, focusing on novel system architecture designs, new detection techniques, new results on cryptography, either theoretical or practical, as well as on experimental studies\technical reports. Hardware attacks and defenses are also within the scope of the issue. Review/survey papers, as well as papers focusing on addressing/analyzing relevant legal requirements on cybersecurity and privacy, from an engineering perspective, are also highly encouraged.

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Special Issue

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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.

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