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This Special Issue seeks original unpublished papers in this area, focusing on novel system architecture designs, new detection techniques, new results on cryptography, either theoretical or practical, as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.

Special Issue

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Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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