

Special Issue

Cybersecurity in Internet of Things

Message from the Guest Editors

Cybersecurity within the Internet of Things (IoT) is of paramount importance as the proliferation of interconnected devices and networks extends across multiple sectors, thereby significantly increasing attack opportunities for cybercriminals. The critical nature of securing IoT ecosystems cannot be overstated, considering the severe repercussions of data breaches, identity theft, and unauthorized device manipulation. Challenges include the heterogeneity of devices, scalability concerns, interoperability issues, and reliance on outdated legacy systems. Key focal points encompass device-level security, network-level security, application-level security, and robust data protection mechanisms. Emerging technologies, such as deep learning, blockchain, and edge computing, present promising avenues for enhancing IoT security. By harnessing these technologies and instituting comprehensive security protocols, organizations can effectively mitigate the risks inherent in IoT and safeguard the integrity, confidentiality, and availability of their systems and data.

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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 guestedited by leading experts in selected topics of interest.

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