

Special Issue

Cryptography in Internet of Things

Message from the Guest Editors

From smart homes and wearable devices to industrial systems and healthcare applications, the IoT is driving unprecedented connectivity and innovation; however, this interconnected world also introduces critical challenges, particularly in securing data and ensuring privacy. Cryptography plays a pivotal role in addressing these challenges by providing the foundation for secure communication, authentication, privacy protection, and data integrity. This Special Issue explores the cutting-edge advancements in cryptographic techniques tailored for IoT environments. Traditional cryptographic methods often struggle to meet the unique constraints of IoT devices, such as limited computational power, energy efficiency, and network scalability. This Special Issue highlights novel approaches and lightweight cryptographic solutions that address these limitations while maintaining robust security standards. We seek original and high-quality research papers that are related, but not limited, to topics including secure key management, end-to-end encryption, post-quantum cryptography for the IoT, lightweight authentication protocols, and blockchain-based solutions for decentralized security.

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About the Journal

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.

Editor-in-Chief

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