Special Issue

Blockchain and IoT: Security and Privacy Advancements, Integration, Opportunities and Open Issues

Message from the Guest Editors

In this Special Issue, original research articles and reviews that address and report on implementation and possibilities of the combination of these two disruptive technologies are welcome. In particular, this Special Issue invites works that include (but are not limited to) the following resdearch areas:

- Blockchain IoT applications;
- Smart contracts for IoT applications;
- Decentralized identities for IoT devices;
- Evaluation of blockchain nodes in IoT ecosystems;
- Governance in IoT systems;
- Blockchain security;
- Integration of blockchain—IoT solutions;
- Trust in IoT systems;
- DLT-based applications for IoT;
- Machine-to-machine communications using blockchain;
- Token economy for IoT applications;
- Blockchains in the 5G (and beyond) ecosystem;
- Smart contracts applied in next generation networks (NGNs);
- NFT applications on IoT systems;
- Optimal resource allocation;
- Destributed ZeroTouch management of virtualized resources.

Guest Editors

Dr. Dimitrios G. Kogias

Dr. Panagiotis A. Karkazis

Dr. Michael G. Xevgenis

Deadline for manuscript submissions

closed (15 April 2025)

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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

Prof. Dr. Flavio Canavero
Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

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