Special Issue

Blockchain and IoT Enabled Smart Grids

Message from the Guest Editors

This Special Issue seeks high-quality articles focussing at the intersection of smart grids, IoT and blockchain by solving the following key topics (but not limited to):

- Blockchain–IoT-enabled sensor networks for smart grids;
- Smart contacts in the blockchain–IoT ecosystem for smart grids;
- Security and privacy of smart grid data and management using blockchain;
- Sensor data fusion and real-time energy management via blockchain;
- Smart grid provisioning based on the blockchain–IoT architecture;
- Deployment of IoT-based sensor-data management in smart grids;
- Machine learning and deep learning algorithms for blockchain and IoT driven smart grids;
- Fog/edge/cloud /dew computing-based techniques for IoT and blockchain-based smart grids;
- Development of novel cryptocurrencies for IoT–blockchain-enabled smart grid platforms.

Welcome to contribute!

Guest Editors

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Deadline for manuscript submissions

closed (31 December 2020)

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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 guestedited by leading experts in selected topics of interest.

Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).

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