

Special Issue

Emerging Trends in Blockchain-Based Solutions, Decentralized Environments, Trust and Security

Message from the Guest Editors

This Special Issue aims to explore the latest developments in blockchain technology, decentralized environments, and their impact on trust, security, and information management. It seeks to consolidate advanced theoretical and applied research to establish a multilayered and modular technology framework. Moreover, it aims at solutions that enhance performance and scalability and engage diverse business logic, access methods, and governance models, while ensuring secure, transparent content, information exchange, and service interoperability. The topics covered in this Special Issue include but are not limited to the latest developments in the following fields:

- Merging trends in decentralized ledger technologies;
- Edge-to-cloud computing to support blockchain;
- Blockchain-based trustworthy computing environments;
- Trustworthy data governance with blockchain;
- Digital identities with blockchain;
- Resource management for blockchain;
- Blockchain-based service management;
- System model design for blockchain.

We kindly invite you to submit your latest, high-quality research results for publication in this Special Issue.

Guest Editors

Dr. Petar Kochovski

Faculty of Computer and Information Science, University of Ljubljana,
1000 Ljubljana, Slovenia

Dr. Minxian Xu

Shenzhen Institutes of Advanced Technology, Chinese Academy of
Sciences, Shenzhen 518055, China

Deadline for manuscript submissions

closed (15 June 2025)



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/213920

Electronics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
electronics@mdpi.com

[mdpi.com/journal/
electronics](https://mdpi.com/journal/electronics)





Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



[mdpi.com/journal/
electronics](https://mdpi.com/journal/electronics)



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

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), CAPus /
SciFinder, Inspec, Ei Compendex and other databases.

Journal Rank:

JCR - Q2 (Engineering, Electrical and Electronic) /
CiteScore - Q1 (Electrical and Electronic Engineering)

Rapid Publication:

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).