

Special Issue

Sustainable Development of Smart Cities with Advanced Cryptographic and Edge Computing Techniques

Message from the Guest Editor

The rapid advancements in internet technology have revolutionized the way geographically dispersed entities, such as sensors, mobile devices, and IoT devices. As billions of IoT devices are now connected to the internet, these exchange real-time and sensitive information, presenting significant advantages for various applications. In light of these challenges and opportunities, this Special Issue aims to invite research contributions focused on exploring the usability of advanced cryptographic algorithms and edge computing techniques. The goal is to effectively address the various security and privacy concerns prevalent in traditional digital connectivity systems. Research areas may include (but are not limited to) the following:

- Distributed ledger-based security for cyber-physical systems;
- Zero-knowledge proofs based privacy solutions;
- Design of quantum secure cryptographic primitives;
- Edge computing technologies for cyber-physical system;
- Lightweight cryptographic protocols;
- Secure multiparty computation;
- Cloud data security;
- Cryptographic algorithms and protocols;
- Game theory and blockchain-based security framework.

Guest Editor

Dr. Ashutosh Dhar Dwivedi
Cyber Security Group, Aalborg University, 2450 Copenhagen, Denmark

Deadline for manuscript submissions

closed (15 March 2024)



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/180167

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 guestedited 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), CAPlus / 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 16.4 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).