

## Special Issue

# Advanced Blockchain Technology for the Internet of Things

### Message from the Guest Editor

The realm of Computer Engineering is witnessing a profound transformation as the Internet of Things (IoT) revolutionizes traditional industries, turning them into intelligent sectors powered by data-centric decision making. However, the inherent attributes of the IoT pose several complex challenges, including decentralization, deficient interoperability, and vulnerabilities related to privacy and security. Blockchain inherently complements the IoT by presenting enhanced interoperability, privacy, security, reliability, and scalability. The symbiotic relationship between the Internet of Things (IoT) and blockchain technology is ushering in a paradigm shift in communication and interaction. This Special Issue on 'Advanced Blockchain Technology for the Internet of Things' examines the novel paradigm that integrates blockchain with the IoT, resulting in a convergence termed Blockchain of Things (BCoT).

---

### Guest Editor

Dr. Ana-Belén Gil-González

BISITE Research Group, University of Salamanca, Edificio Multiusos I+D+i, Calle Espejo 2, 37007 Salamanca, Spain

---

### Deadline for manuscript submissions

closed (20 April 2025)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/183158](https://mdpi.com/si/183158)

*Applied Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[appls@mdpi.com](mailto:appls@mdpi.com)

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

[appls](https://appls)





# Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



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



## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

---

### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
20133 Milano, Italy

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

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

#### Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering )