



sensors



an Open Access Journal by MDPI

Advances in Blockchain Challenges and Opportunities

Guest Editors:

Dr. Wenlin Han

Dr. Barbara Guidi

Dr. Gora Datta

Prof. Dr. Ahmed Banafa

Deadline for manuscript
submissions:

closed (31 August 2023)

Message from the Guest Editors

The aim of this Special Issue on “Advances in Blockchain Challenges and Opportunities” is to cover the latest advancements in Blockchain technologies regarding addressing challenges and discovering opportunities. Blockchain technologies have been developed very fast, especially in the last couple of years. Blockchain technologies have brought opportunities to and have renovated various fields.

We invite contributions from academics, policymakers and practitioners on the following topics (but is not limited to):

- Blockchain-based IoT sensor infrastructures
- Blockchain-based sensor networks and digital twins
- Use of Blockchain in digital health sensor networks
- Energy efficiency and cryptocurrency mining
- Decentralized finance (DeFi), ecosystem and security
- Decentralized Autonomous Organization (DAO), Decentralized Autonomous Corporation (DAC), governance and regulation
- Non-Fungible Tokens (NFTs), Metaverse and platforms
- Privacy preservation, zero-knowledge proof, FPGA acceleration, secure multi-party computation
- On-chain analysis, de-anonymization, dark deep web
- GameFi, Play2Earn, consensus and incentive systems
- Blockchain-based Web 3.0 applications



mdpi.com/si/151420

Special Issue



sensors



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria
Elettrica e dell'Informazione
(Department of Electrical and
Information Engineering),
Politecnico di Bari, Via Edoardo
Orabona n. 4, 70125 Bari, Italy

Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

Author Benefits

Open Access : free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [Ei Compendex](#), [Inspec](#), [Astrophysics Data System](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Instruments & Instrumentation*) / CiteScore - Q1 (*Instrumentation*)

Contact Us

Sensors Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sensors
sensors@mdpi.com
[X@Sensors_MDPI](#)