

## Special Issue

# Blockchain Meets IoT for Big Data

### Message from the Guest Editors

Blockchain technologies constitute a relatively recent area exhibiting disruptive properties. Those properties are widely acknowledged as having a strong potential impact on numerous domains spanning from new forms of the digital economy to decentralized data management and metaverses.

Given the decentralized nature of blockchains, aspects like security, privacy, and trust are of special interest. The current Special Issue adopts an additional key orientation of the integration of blockchains with the following technologies: Internet-of-Things (IoT), Big Data, Artificial Intelligence, and Machine Learning. This is motivated by a fundamental realization: truly transformative digital solutions need to bring together complementary forces as no single technology can address complex challenges. IoT and Big Data are positioned closer to the data layer, while AI and ML stand as data-driven enablers of intelligent models and services. Within this symbiotic environment, blockchain contributes mechanisms for data integrity and transparency along with novel forms of decentralized finance deployed around those AI/ML services.

---

### Guest Editors

Prof. Dr. Ioanna Dionysiou

Dr. Oleg Basov

Dr. Elias Iosif

Dr. Christiana Ioannou

---

### Deadline for manuscript submissions

closed (31 May 2024)



## Big Data and Cognitive Computing

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.4  
CiteScore 9.8



[mdpi.com/si/154580](https://mdpi.com/si/154580)

*Big Data and Cognitive Computing*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[bdcc@mdpi.com](mailto:bdcc@mdpi.com)

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





# Big Data and Cognitive Computing

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.4  
CiteScore 9.8



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



## About the Journal

### Message from the Editor-in-Chief

*Big Data and Cognitive Computing (BDCC)* is a scholarly online journal which provides a platform for big data theories with emerging technologies on smart clouds and exploring supercomputers with new cognitive applications. It is a peer-reviewed, open access journal that publishes high quality original articles, reviews and short communications. The primary aims of this journal are to encourage contributions of high quality scientific papers relating to data management and analytics in industry, such as manufacturing, healthcare, education, media and business, data mining, and cognitive science. There is no restriction on the maximum length of the papers.

---

### Editor-in-Chief

Prof. Dr. Min Chen

School of Computer Science and Engineering, South China University of Technology, Guangzhou 510641, China

---

### Author Benefits

#### Open Access:

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

#### High Visibility:

indexed within Scopus, ESCI (Web of Science), dblp, Inspec, Ei Compendex, and other databases.

#### Journal Rank:

JCR - Q1 (Computer Science, Theory and Methods) /  
CiteScore - Q1 (Computer Science Applications)