Special Issue

Data Security and Privacy in Blockchain-Based Decentralized Applications

Message from the Guest Editors

The global big data market is experiencing tremendous growth, driven by advancements in the IoT, cloud computing, and AI technologies. However, the development of big data techniques is hindered by growing data security and privacy concerns. Blockchain, which emerged as a novel distributed consensus scheme, allows transactions and any other data to be securely stored and verified without the need for any centralized and trusted authority. Due to its unique characteristics, blockchain technology has become a popular choice for many application areas, such as e-government, healthcare, social network, finance, supply chain management, and smart manufacturing. This Special Issue gives a platform for researchers, academics, and industry professionals to present their research work on data security and privacy in blockchain-based decentralized applications. This Special Issue aims to address the challenges and issues of using blockchain technology to design decentralized applications and services in various domains. We look forward to your submissions.

Guest Editors

Dr. Zhe Peng

Dr. Hong-Ning Dai

Dr. Yu Li

Deadline for manuscript submissions

closed (29 February 2024)

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

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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

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