Advances in Communication Systems, IoT and Blockchain

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Message from the Guest Editors

Dear Colleagues,

Today, blockchain technology (BCT), internet of things (IoT), and artificial intelligence (AI) are recognized as innovations that have the potential to improve current business processes, create new business models, and disrupt whole industries.

IoT devices in smart systems typically generate massive amounts of data. These data are often stored and processed in a centralized server. Blockchain technology could help with data standardization by setting up a harmonized digital platform for IoT data accessible to multiple parties. Due to the use of hash functions, data on blockchain systems is typically stored in one data format. Consequently, data management could be optimized by increased interoperability of stored data. Converging technologies such as BCT and/or AI/ML with IoT systems could make data management more scalable, secure, and efficient. In addition, AI offers an intelligent learning mechanism from the massive amount of time-series real-life data. Combined with AI and/or Blockchain, any smart system can address the many existing challenges.

This Special Issue is dedicated to novel articles covering BCT, AI, and ML methodologies in smart systems.

Special Issue

Editor-in-Chief

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Message from the Editor-in-Chief

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