Special Issue

Scalable Blockchain and AI-Based Embedded IoT Systems for Smart Spaces

Message from the Guest Editor

The Internet of Things (IoT) has been playing a vital role in adding value to human lives. In recent years, IoT applications have been coupled with machine learning techniques to form intelligent IoT-enabled blockchain applications. However, for intelligent IoT nodes, the machine learning technologies should be lightweight in order to meet the constrained capabilities of the embedded hardware. This Special Issue aims to highlight advances in the open research topics in this field, which include, but are not limited to, the following:

- Optimize existing machine learning architecture for embedded IoT devices;
- Lightweight machine learning architecture and frameworks;
- Distributed predictive optimization;
- Positioning systems and infrastructures;
- Energy-saving and energy harvesting methods and techniques;
- Blockchain for security and privacy;
- Data collection and management methods (big data and data retrieval);
- Lightweight intelligent IoT service orchestration;
- Intelligent IoT for lightweight driver-assistance systems in electric vehicles.

Guest Editor

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Deadline for manuscript submissions

closed (1 December 2022)

Sensors

an Open Access Journal by MDPI

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CiteScore 7.3
Indexed in PubMed

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