Special Issue

Empowering the Future Generation Cloud Systems for Internet of Things

Message from the Guest Editors

With significant advances in sensing and communication technologies, there are still many challenges for current IoT systems to effectively handle billions of devices with huge data generated from IoT devices to ensure low latency, energy efficiency, and so on. The convergence of technologies—from edge computing to cloud, the IoT, blockchain, and AI—potentially contributes toward addressing the above issues and blurring the lines between the physical and digital worlds. In this Special Issue, we seek state-of-the-art approaches, methodologies, and key technologies in the design, development, deployment and innovative use of edge, cloud, AI, and blockchain for the IoT.

- Architecture design between cloud/fog/edge for the IoT;
- Framework, algorithms, and protocol design for IoT cloud;
- Dynamic resource provision and consuming for IoT cloud;
- Machine learning, AI, and other innovative approaches for IoT cloud/fog/edge communication;
- Distributed ledger technology (DLT), blockchain, and smart contract for IoT cloud;
- Blockchain-based serverless edge computing for the IoT;
- Security, privacy, and trustworthiness for IoT cloud.

Guest Editors

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Deadline for manuscript submissions

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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.

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