Empowering the Future Generation Cloud Systems for Internet of Things

Guest Editors:

Prof. Dr. Younghan Kim
School of Electronic Engineering, Soongsil University, Seoul 06978, Republic of Korea

Dr. Ngoc-Thanh Dinh
School of Electronic Engineering, Soongsil University, Seoul 06978, Republic of Korea

Prof. Dr. Min Wei
School of Automation, Chongqing University of Posts and Telecommunications, Chongqing 400065, China

Deadline for manuscript submissions:
closed (25 October 2023)

Message from the Guest Editors

Dear Colleagues,

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.

Special Issue

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro
Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

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.

Author Benefits

Open Access : free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Ei Compendex, Inspec, Astrophysics Data System, and other databases.
Journal Rank: JCR - Q2 (*Chemistry, Analytical*) / CiteScore - Q1 (Instrumentation)

Contact Us