

Special Issue

Energy Efficient IoT Network in Cloud Environment

Message from the Guest Editors

Internet of things (IoT) play a key role in every aspect of life such as healthcare, agriculture, home, industrial process and transportation. The data acquired from sensors and actuators in various IoT environments is used for analysing and managing in cloud based platforms. Despite various advantages of cloud computing with IoT, the system still faces serious issues related to security, energy efficiency and big data. Among them, power consumption is one of the major problems. The purpose of this special issue is to address this challenging research area. We solicit original manuscripts presenting recent advances in this area with special preference to the following topics:

- Novel network architectures for energy efficient IoT
- Optimisation and scheduling policies for energy efficient IoT
- Physical layer (PHY) and Medium Access Control (MAC) related aspects for energy efficient IoT
- Machine learning and artificial intelligence for energy efficient IoT
- Federated learning for energy efficient IoT

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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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