Special Issue

Advanced Internet of Things Solutions and Technologies

Message from the Guest Editor

With the rapid development of wireless networks and intelligent terminals, Internet of Things-enabled technology is evolving infrastructure from conventional operations and maintenance business models to more efficient, sustainable, smart, and resilient systems. The IoT has the characteristics of intelligence, autonomy, and sharing. However, with the development of the IoT, many new challenges and opportunities have emerged. The traditional machine learning paradigm is difficult to support the implementation of IoT applications because of its poor model interpretability, beggarly model environment adaptability, and high model inference resource consumption. Simultaneously, although the traditional cloud computing architecture can meet the computing power and storage resource requirements of computationally intensive deep learning tasks, it is not suitable for IoT scenarios that are sensitive to latency, reliability, and privacy. For this purpose, this special issue is devoted to seeking the most recent developments and research outcomes addressing the related solutions and technological aspects of the Advanced Internet of Things.

Guest Editor

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