Special Issue

Cloud and Edge Computing Systems for IoT

Message from the Guest Editors

We are in the midst of a rapid growth in Internet-of-Things (IoT) related multimodal applications in diverse areas such as smart cities, smart homes, autonomous vehicles, agriculture, manufacturing, and smart power grids. The rapid rise of distributed, heterogeneous, and collaborative IoT is empowered by low-cost embedded devices, on-demand, massively scalable computing in the Cloud, high-speed communication networks, and big data storage technologies and tools. Motivated by constraints on latency, bandwidth, cost, and data privacy issues, the IoT designers have been offloading resource-intensive functionalities to the emerging network infrastructure tier, i.e., edge nodes. This calls for the development of novel computation, memory, and power paradigms that support the interplay of Cloud, edge computing, and IoT devices. In this Special Issue on Cloud and Edge Computing Systems for IoT, we invite researchers to submit previously unpublished research that addresses the above questions and related issues.

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Editor-in-Chief

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