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Fog/Edge/Cloud Computing in the Internet of Things

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Deadline for manuscript submissions:
closed (15 October 2024)

Message from the Guest Editors

Dear Colleagues,

In recent years, fog/edge computing has been emerging as complementary computing paradigms that leverage computing and storage resources at the network edge to decrease the latency of artificial intelligence (AI) applications, protect data privacy, improve workload scheduling performance, etc. In IoT, users or service providers can choose to run different IoT application tasks at the edge for faster processing or upload them to the cloud infrastructures for more robust results based on specific requirements.

This Special Issue aims to address issues in the state-of-the-art fog/edge/cloud computing approaches and techniques applicable to the Internet of Things, providing cross-disciplinary ideas to address present and future challenges. Topics of interest include, but are not limited to, the following:

Fog/edge/cloud computing-based IoT frameworks and architectures design.
Distributed network communication protocols.
Fog/edge/cloud computing for IoT data processing, modelling, and analysis.
Workload scheduling.
Privacy preserving.
Anomaly detection.
Hardware-assisted design.
Network traffic prediction and optimization.

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Special Issue

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Message from the Editor-in-Chief

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