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Applications of Fog Computing and Edge Computing in IoT Systems

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Deadline for manuscript
submissions:

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Message from the Guest Editors

The nature of fog and edge computing devices is evolving as a result of developments in the Internet of Things (IoT). A perfect storm has formed within the IoT ecosystem due to the availability of novel sensor interfaces, effective low-power digital processors, and high-bandwidth low-power communication protocols. A growing breadth of capabilities needs to be supported by next-generation Internet of Things end-nodes, including multisensory data processing and analysis, complicated system control schemes, and ultimately artificial intelligence.

This Special Issue seeks to give a place for discussing various facets of edge computing and IoT systems. Subjects of interest include, but are not restricted to:

- Framework, and models for fog/edge-computing-enabled IoT systems;
- Resource management and computational offloading for edge-computing-enabled IoT systems;
- Machine learning, deep learning and federated learning for edge-computing-enabled IoT systems;
- Security and privacy for edge-computing-enabled IoT systems;
- Traffic monitoring and video analytics with edge-computing-enabled IoT systems;
- Application case studies for fog/edge-computing-enabled IoT systems;



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Special Issue



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Message from the Editor-in-Chief

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