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Edge and Fog Computing for Internet of Things Systems

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Message from the Guest Editors

Employing edge and fog computing for building IoT systems is essential considering the massive amount of data generated by sensing devices, the delay requirements of IoT applications, the high burden of data processing on cloud platforms, and the need to take immediate actions against security threats. By pushing processing and storage closer to IoT devices, it is possible to reduce the amount of data sent to the cloud, while also reducing communication delay.

For this Special Issue the following topics are of particular interest:

- Sensor data processing by edge/fog
- Architectures for building edge/fog system
- Network function virtualization
- Traffic control and traffic shaping
- Allocation of computation and communication resources
- Edge/fog computing applications, such as healthcare, smart homes, smart cities, intelligent transportation.
- Multi-layer collaboration from edge to the cloud
- Security, privacy, and trust issues
- Secure communication across the edge to cloud continuum
- Energy-efficient solutions for edge and fog computing
- Signal processing and artificial intelligence

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Message from the Editor-in-Chief

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