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Data Processing, Privacy and Security Challenges for Fog and Cloud Computing in the Internet of Things

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Message from the Guest Editors

In the Internet of Things (IoT) landscape, the interplay between fog and cloud computing creates a mutually beneficial yet complex relationship. This complexity arises from Fog computing decentralizing data handling, bringing it closer to the IoT devices at the network's edge. This proximity cuts down on latency and conserves bandwidth, facilitating instantaneous analytics and decisions on a local scale—essential for applications like smart healthcare, smart cities. Nonetheless, this decentralization heightens concerns over privacy and security, such as data privacy and integrity, and unauthorized intrusions. Therefore, without adequately addressing security and privacy concerns, the benefits of fog and cloud computing in IoT cannot be fully realized.

This Special Issue therefore aims to put together original research on data processing, privacy and security challenges for Fog and Cloud Computing in IoT.

- Quality of Service (QoS) for IoT.
- Interoperability solutions for IoT.
- Distributed storage solutions for IoT.
- Threat Detection, authentication for IoT.
- Privacy enhancing techniques for IoT.
- Trustworthy computing for IoT.

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Message from the Editor-in-Chief

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