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Pub/Sub Solutions for IoT

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Deadline for manuscript submissions:

closed (29 February 2020)

Message from the Guest Editors

Dear Colleagues,

The vision of the Internet of things is becoming a reality, and novel communications technologies such as the upcoming 5G network architecture are designed to support its full deployment. Given this scenario, we focus on the benefits that publish/subscribe protocols (such as, MQTT, the de-facto standard for IoT) would bring into the picture. However, deploying pub/sub brokers with advanced caching and aggregation functionalities in a distributed fashion poses challenges in protocol design and the management of communication resources.

In this Special Issue, we are looking for contributions oriented to identify the main research challenges, and the possible solutions to scale up a pub/sub architecture for upcoming IoT applications in 5G networks. We are particularly interested in papers presenting systems design, optimization techniques, and working implementations of distributed pub/sub architectures.

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Guest Editors



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Special Issue



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Message from the Editor-in-Chief

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