Special Issue

Mobile Fog/Cloud Computing: Open Challenges

Message from the Guest Editors

The advent of the so-called Industry 4.0 has fostered new business opportunities, but it also poses new and challenging requirements, such as low latency communications and highly reliable systems. IIoT (Industrial Internet of Things) communications would likely exploit new wireless technologies (5G), but then would also require architectures that appropriately support them. Besides pure communication requirements, the use of fog and cloud computing looms as a potential solution to dynamically allocate computational load as required by the various applications that will keep. In this sense, the combination of fog and cloud computing represents a potential solution, since it can dynamically allocate the workload depending on the specific needs of each application. Several challenges need to be faced, such as e2e connectivity considering multiple source/destinations, performance modeling, virtualization techniques, workload allocation, security, etc. In this Special Issue, we seek submissions of high-quality technical papers reporting original research that has not been previously published, and is not currently submitted for consideration elsewhere.

Guest Editors

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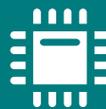Department of Communications Engineering, University of Cantabria, 39005 Santander, Spain

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