Mobile Fog/Cloud Computing: Open Challenges

Guest Editors:

Prof. Dr. Ramón Agüero
Department of Communications
Engineering, University of
Cantabria, 39005 Santander,
Spain

Dr. Josu Bilbao
Department - IoT Digital
Platforms, Data Analytics &
Artificial Intelligence, Ikerlan

Deadline for manuscript
submissions:
closed (30 September 2021)

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.

Special Issue

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro
Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

Author Benefits

Open Access : free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Ei Compendex, Inspec, Astrophysics Data System, and other databases.
Journal Rank: JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)

Contact Us