Special Issue

Internet of Things Applications, Challenges and Solutions for the Future

Message from the Guest Editor

The Internet of Things concept involves the integration of multiple wireless sensors in advanced network topologies that are large-scale and distributed over a large geographical area. These wireless sensor nodes are objects that have Internet connectivity with the ability to monitor and interact with the environment. The IoT concept is supported by many LPWAN (low-power wide-area network) communication protocols that allow the integration of a very large number of wireless sensors such as LoRaWAN (long-range wireless area network), SigFox, NB-IoT (narrow-band IoT), etc. This Special Issue will focus on state-of-the-art technologies and IoT applications, considering the main challenges they face. Some of the related topics that are not limited to include: new wireless communications design protocols, IoT and Blockchain architectures, spectrum sensing applications and artificial intelligence in IoT deployments.

Guest Editor

Dr. Alexandru Lavric

Computers, Electronics and Automation Department, Stefan Cel Mare University of Suceava, 720229 Suceava, Romania

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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.

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

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