Special Issue

Resource Allocation and Optimal Scheduling in Cognitive Wireless Sensor Networks – Mathematical Models

Message from the Guest Editors

It is believed that wireless sensor networks (WSN), machine-type communications (MTC), cognitive radio networks (CRN), and several other technologies play major roles in IoT (the Internet of Things). However, the effective and efficient design and deployment of such large-scale networks requires very effective and efficient resource allocation. The aim of this Special Issue is to assemble mathematical tools and models for the implementation of resource allocation and scheduling for cognitive wireless sensor networks. Potential topics include, but are not limited to:

- Optimization models for resource allocations for WSN and CRN.
- Understanding the complexity of the interworking of WSN, CRN in IoT
- Optimal use of both the licensed and unlicensed channels for WSN – resource allocation and scheduling.
- Exploring the features of 5G in cognitive wireless network operation.
- Energy-efficient resource allocation schemes for CRN.

A 20% discount can be applied to your manuscripts. Please contact us or JSAN Editorial Office if you have any questions. Thank you very much for your consideration.

Guest Editors

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Message from the Editor-in-Chief

I encourage you to contribute research and comprehensive review articles for publication in Journal of Sensors and Actuator Networks (JSAN), an international, open access journal which provides an advanced forum for research findings in areas of sensors and actuators. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sensors and actuators and fostering applications of sensor-based measurements and effective actuator incorporation.

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