

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

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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.

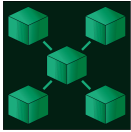
The aim of this Special Issue is to assemble mathematical tools and models for the implementation of resource allocation and scheduling for cognitive wireless sensor networks. Potential topics include, but are not limited to:

- 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.

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Message from the Editor-in-Chief

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