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Wireless Sensor Networks for Smart Communications**Call for Papers**

Recently, there is an immense growth of interest on exciting concepts such as the Internet of Things (IoT), Smart Cities, Smart Homes, Machine-to-Machine Communications (M2M), and Device-to-Device (D2D), which mainly focus on the 5G Mobile Communication Systems. This special issue will address the wireless sensor networks which are characterized by the dynamic nature of such concepts. The wireless sensor networks require the system to be smart and adaptive to the changes in the application environment, task objectives, and topological variance, among others. There are a growing number of applications using wireless sensor networks for smart communications, and the last few years have witnessed the development of many innovative solutions for their commercialization and standardization.

Of particular importance to wireless sensor networks, the smart communications will be highlighted within this special issue involving smart sensor fusion and synergy strategies in network construction and resource alignment for optimal network operation. Many related techniques have been proposed to enhance the network performance such as smart network survivability and resilience, energy efficiency operation, and mobility management and modeling. As a result, the smart communications will make wireless sensor networks more adaptive and robust to the ubiquitous computing and sensing for IoT, M2M, and D2D.

However, numerous challenges remain for the implementation of practical solutions that operate efficiently and securely. Thus we warmly invite participation from academic, industry, and government researchers for sharing ideas among researchers and practitioners working on state-of-the-art solutions related to wireless sensor networks for smart communications. And innovative and interesting research papers are expected for expanding the current body of knowledge.

Potential topics include but are not limited to the following:

- ▶ Smart sensor fusion and synergy
- ▶ Smart network survivability and resilience
- ▶ Smart energy efficiency operation in wireless sensor networks
- ▶ Smart mobility management and modeling in wireless sensor networks
- ▶ Smart context-aware services in wireless sensor networks
- ▶ Smart localization and navigation in wireless sensor networks
- ▶ Smart architectural design and operation models in wireless sensor networks
- ▶ Smart user cooperation and incentive schemes in wireless sensor networks
- ▶ Smart antenna design and beamforming in wireless sensor networks
- ▶ Mobile security in wireless sensor networks: device, application, and data
- ▶ Ubiquitous computing and sensing for IoT, M2M, and D2D
- ▶ Test-beds and deployment of wireless sensor networks in smart cities and homes

Authors can submit their manuscripts through the Manuscript Tracking System at <https://mts.hindawi.com/submit/journals/wcmc/wsns/>.

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| Submission Deadline | Friday, 16 February 2018 |
| Publication Date | July 2018 |

Papers are published upon acceptance, regardless of the Special Issue publication date.

Lead Guest Editor

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