Journal of
Sensor and Actuator Networks

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Energy Management in Distributed Wireless Networks

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Deadline for manuscript submissions:
closed (31 August 2019)

Message from the Guest Editors

Dear Colleagues,

Papers on the tradeoff between system performance and energy efficiency, through adapting sensing/networking functionalities to energy budget, are solicited. New techniques to sustainably supply energy to sensor nodes or mobile nodes are encouraged.

Topic of this Special Issues include, but are not limited to:

- Energy harvesting/charging and power management
- Long-life sensor node deployment and topology control
- Energy-efficient communication protocol design
- Scheduling algorithms for distributed wireless networks
- Directional/Smart Antennas for energy efficient protocols
- Energy-efficient (or -free) sensing techniques
- Data Aggregation/Fusion for energy efficient
- Trade-off techniques for energy efficiency considering also QoS and/or security
- Cross layering and protocol design for energy efficiency
- New applications of self-sustainable distributed wireless networks
- Data routing, processing and storage strategies
- Network modeling and performance analysis

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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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