

Special Issue

New Trends in Wireless Sensor and Actuator Networks

Message from the Guest Editor

Wireless sensor network (WSN) comprises of a wireless network of tiny devices that are equipped with sensors to monitor physical and environmental conditions. Such devices could interact with different actuators such as servos, motors, drone and form a wireless sensor and actuator network (WSAN). WSANs could be used to collect info from the region of interest (i.e. environment, building structures, farms, human body, etc) and autonomously control the required aspects of the target. This special issue aims to bring together scholars to discuss and present their latest research and findings on all the aspects of WSANs. Topics of primary interest include but are not limited to:

- Power management and energy harvesting in WSANs
- Cloud/mobile edge/fog computing in WSANs
- Image processing and computer vision
- Security and privacy in WSANs
- Medium access control protocols
- Communication architectures for WSANs
- Cooperative and bio-inspired algorithms for WSANs
- Machine learning and deep learning techniques
- Localization and positioning
- Novel applications of WSANs

Guest Editor

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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.

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