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Recent Trends in Wireless Sensor and Actuator Networks

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Deadline for manuscript
submissions:

closed (30 September 2022)

Message from the Guest Editors

Dear Colleagues,

WSANs are considered one of the main building blocks of the Internet of Things (IoT) and Industry 4.0 to create smart environments, cities, healthcare, etc. However, there are several challenges that need to be tackled to effectively deploy WSANs and provide reliable services such as dynamic and intelligent management of sensors and actuators, resource constraint nature of the network nodes, and seamless, robust, and secure communication between devices. This Special Issue aims to bring together scholars to discuss and present their latest research and findings on all aspects of WSANs. Wireless sensor networks (WSNs) comprise 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, and drones and form a wireless sensor and actuator network (WSAN). WSANs could be used to collect information from the region of interest (e.g., environment, building structures, farms, the human body) and autonomously control the required aspects of the target.

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Special Issue



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Message from the Editor-in-Chief

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