Journal of
Sensor and Actuator Networks

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Architectures and Protocols for Wireless Sensor and Actuator Networks

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Deadline for manuscript submissions:
closed (31 December 2020)

Message from the Guest Editors

This Special Issue targets scientific contributions on wireless sensor/actuator networks and systems (WSANs) addressing heterogeneous and strict communication requirements (hopefully in combination), such as reliability and robustness, timeliness and real-time, scalability, mobility, security and privacy, and energy efficiency and sustainability.

Topics of interest are:

- Communication standards and technologies for wireless sensor and actuator networks;
- System architectures and communication infrastructures to fulfill strict performance requirements; scalability;
- Cross-layer protocol design: MAC and PHY interactions, wireless network integration, and interoperability with wired systems;
- Reliability and robustness;
- Timeliness and real-time operations: improving the timing behavior and reducing end-to-end communication delays;
- Security and privacy: new mechanisms to grant adequate levels of security/privacy without jeopardizing energy and time;
- Mobility: mechanisms to support mobile devices in a seamless and transparent way;
- Energy efficiency and harvesting: improving lifetime;
- Real-case applications;

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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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