Journal of
Sensor and Actuator Networks

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Robot Systems, Networks and Sensing Technologies

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closed (30 April 2021)

Message from the Guest Editors

Each robot works as a smart agent in a dynamic network. They work cooperatively or independently to sense nearby environments. In such an environment, how robots work collaboratively to improve the efficiency and accuracy of environment sensing is a key problem. How the robots collaborate to finish special tasks is also attracting substantial attention.

This Special Issue will collect cutting-edge research results in the area of robot networks, collaborative robot sensing technologies, networked robot systems, etc. Research on the collaboration of robot systems with the IOT and cloud computing systems are also welcome. More specifically, the following listed topics are of particular interest but related works in networked robot sensing systems are also welcome:

- Networked robot systems
- Collaborative robot sensing systems and algorithms
- Collaborative anonymously locating and mapping
- Collaborative robot navigation
- Robot formation control
- Robot location and navigation algorithms
- The collaboration of robots and IOT systems
- Information fusion algorithms in robot systems
- Vision, inertial sensing and navigation
- Data processing in robot sensing systems

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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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