Journal of
Sensor and Actuator Networks

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Security Threats and Countermeasures in Cyber-Physical Systems

Guest Editors:

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Deadline for manuscript submissions:
closed (28 February 2021)

Message from the Guest Editors

This Special Issue is dedicated to publishing cutting-edge research focused on addressing the various fundamental technical open security challenges related to CPS or IoT. It particularly focuses on future sensor and actuator technologies in the context of smart cities, intelligent transport and healthcare. Topics of interest include the following:

1. Secure design and implementation of methodologies of CPS and IoT systems;
2. Secure communication protocols for machines, actuators, sensors and control systems;
3. Counter measures to emerging threats to CPS and IoT;
4. Multi-sensor data fusion to counter sensor data injection attacks;
5. Predictive data analytics for threat detection in CPS and IoT systems;
6. Security challenges in SCADA systems, and smart environments;
7. Secure middleware, frameworks and services for CPS and IoT networks;
8. Communication security and privacy for IoT and CPS systems;
9. Artificial intelligence and machine learning for smart CPS and IoT security;
10. Surveys on security threats and countermeasures in IoT and CPS;
11. Security in Tactile Internet;
12. Blockchain applications to CPS and IoT.

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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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