

Special Issue

Wireless Sensor in Networked Control System

Message from the Guest Editors

Everyday, wireless sensors are becoming more ubiquitous due to their reduced installation and maintenance costs as compared to their wired counterparts, and the possibility to install them on moving parts that do not allow wiring. The Internet-of-Things provides these sensors with cloud connectivity and are being used successfully in industrial and civil applications for infrastructure monitoring and predictive maintenance. More challenging is their use in control and automation applications, commonly referred as Networked Control Systems, where low latency and reliable data transmission and reception is needed. This Special Issue intends to present the most recent advances in this context from different angles such as novel control algorithms that are robust against unreliable communication, multiple sensors and actuators smart scheduling, wireless protocols for control (WirelessHART, ISA100, MIMO Wi-Fi, 5G), virtual sensors, and distributed estimation and control, both from a theoretical and a practical/industrial perspective.

Guest Editors

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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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