

Special Issue

Smart Sensor and Digital Twin Technologies for Industrial Process Control and Monitoring

Message from the Guest Editors

This Special Issue aims to compile original applied research and review articles on recent advances, technologies, solutions, applications and new challenges in the field of smart sensors and digital twins for industrial process control. Special Issue Link: https://www.mdpi.com/journal/sensors/special_issues/1O9ZLTA8GM Potential topics include, but are not limited to:

- Soft/smart sensor for industrial process monitoring and control.
- Digital twins for industrial process simulation, optimization and real-time decision support.
- Computer vision sensors/cameras using machine learning/AI for in-line quality control.
- HIS—hyper-spectral imaging for the identification of materials, defects and quality control.
- NRI—near infra-red imaging (spectral data) for the identification of materials, defects and quality control.
- Industrial sensors for end-point detection.
- Sensor technology for collaborative robot control.
- Sensors for automated robot picking.
- Sensor applications for circular and green economy applications and optimization, waste recycling and bioplastic manufacturing.

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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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