

Special Issue

Sensors and Signal Analysis for Dynamic Measurement in Industrial Process

Message from the Guest Editors

Dynamic measurement is critical to the system design, optimal control, status or safety monitoring, energy conservation and emission reduction of industrial processes. Increasing attention is being paid to dynamic measurement techniques for its complexity, time-varying property, and intractable nature. This Special Issue focuses on the sensors and signal analysis for dynamic measurement in industrial processes, which aims to promote the theoretical development and technical advancement of process measurement in industry, including new sensing techniques and measurement methods, novel sensor design and system development, advanced signal analysis and processing, etc. The invite contributions in relation to the following topics, which include, but are not limited to:

- The novel design of industrial sensors or sensor systems.
- Tomography and imaging sensors.
- Localization and object-tracking sensors.
- Sensors in multiphase flow measurement.
- Structural health-monitoring sensors.
- Dynamic image reconstruction techniques.
- Signal analysis and the modeling of industrial sensors.
- Signal processing and data fusion for process measurement.

Guest Editors

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Deadline for manuscript submissions

closed (30 August 2023)



Sensors

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Impact Factor 3.5
CiteScore 8.2
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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.

Editor-in-Chief

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