

Special Issue

Sensor Faults Detection in Industrial Condition Monitoring and Diagnosing Systems

Message from the Guest Editors

With the advent of Industry 4.0, there has been an increased interest in systems for monitoring and diagnosing machines and processes that enable the implementation of predictive and prescriptive maintenance. These systems often allow for cloud data collection and the implementation of analytical methods based on machine learning and artificial intelligence techniques. The effectiveness of computational algorithms depends on the quality of the data, which comes from measurement systems comprising both analog and digital sensors installed at various points of a machine or the installation and measuring of different physical quantities. Industrial sensors often operate in harsh conditions, subjected to both mechanical and chemical influences, which can lead to damage and reduced measurement accuracy. Therefore, an essential aspect of measurement system operation is diagnosing their functionality. This Special Issue's aim is to present review articles and original papers discussing the latest research results and discoveries in the field monitoring and self-diagnosing methods for the condition of sensors used in industrial monitoring systems.

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.

Editor-in-Chief

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