

Special Issue

Sensors for Fault Diagnosis and Fault Tolerance

Message from the Guest Editors

Automation of industrial processes (smart factories, collaborative robots, Industry 4.0) and everyday life (smart buildings, automated driving) play an increasing role in the advancement of modern societies. Due to the complexity of automated installations, the prevention of safety hazards and huge production losses require the detection and identification of any kind of fault, as early as possible, and to minimize their impacts by implementing real-time fault detection (FD) and fault-tolerant (FT) operations systems. Therefore, FD and FT technologies have attracted an increasing amount of research and industrial attention in recent years.

Modern FD and FT schemas demand high-volume, high-quality information from multiple types of sensor data, but sensors are also subject to failure, which must be included in the diagnostic systems... For further information, please visit http://www.mdpi.com/journal/sensors/special_issues/sensors_fault_diagnosis_fault_tolerance.

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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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