Special Issue

Advanced Sensing Applications for Fault Diagnosis and Reliability Analysis of Elector-Mechanical Systems

Message from the Guest Editors

The ability of electro-mechanical systems for fault diagnosis and reliability analysis is very important, especially for various forms of safety-oriented equipment. Advanced sensing technologies are important prerequisites for fault diagnosis and reliability analysis. This Special Issue aims to highlight research into novel sensors and sensing methods, data processing and sensor fusion, and typical applications for fault diagnosis and reliability analysis with elector-mechanical systems, enabling the rapid development of reliability and safety technologies for electro-mechanical systems. Potential topics of interest include, but are not limited to the following:

- Design and manufacturing of precision sensors for electro-mechanical systems;
- Active and passive sensing methods for electro-mechanical systems;
- Advanced signal processing and data processing for electro-mechanical systems;
- Sensor fusion techniques for electro-mechanical systems;
- Fault diagnosis and Reliability analysis for electro-mechanical systems.

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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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