Special Issue

Intelligent Control Technology and Fault Detection Analysis of Mechanical Equipment

Message from the Guest Editors

With the rapid development of the manufacturing industry, the demand for precise mechanical equipment is increasing, but the traditional mechanical equipment control method struggles to meet the complex working environment.

In the intelligent process of mechanical equipment, the structure of the equipment presents complexity and precision, which means that the mechanical equipment must implement the condition monitoring of the equipment on the premise of safety and reliability, so as to ensure the effective implementation of intelligent equipment.

The purpose of this subject is to promote the construction of mechanical intelligence and monitoring platform, and propose a variety of novel high-quality mechanical equipment fault diagnosis and intelligent control methods. We welcome both original research articles and review articles discussing the current state of the art.

Topics include, but are not limited to:
(1) Fault detection;
(2) Online monitoring, intelligent diagnosis and prediction;
(3) Health condition evaluation;
(4) Dynamic modeling and analysis;
(5) Advanced vibration signal analysis;
(6) Sensor technology;
(7) Automatic control technology.

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Deadline for manuscript submissions

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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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