Special Issue

Fault Diagnosis in Transportation and Industry: Sensors, Methods, and Experimental Applications (2nd Edition)

Message from the Guest Editor

The current operation of both transportation and industry must be efficient and safe—in particular, safety is the prerequisite of high-efficiency operation. The development of sensor technology and signal processing makes it possible to detect the real-time health status of mechanical equipment in the above two fields. Most existing methods for fault diagnosis work well only under light noise and in stationary conditions. However, strong noise and non-stationary conditions (including load variation, speed variation and temperature variation) are very common in these two fields, making it challenging to detect and monitor the severity of machine defects.The Special Issue "Fault Diagnosis in Transportation and Industry: Sensors, Methods, and Experimental Applications" welcomes original and review articles on fault diagnosis in transportation and industry, particularly with high noise and in non-stationary conditions, with a strong emphasis on real-world applications.

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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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