Special Issue

Vibration Sensor-Based Diagnosis and Prognosis Technologies and Systems: Part II

Message from the Guest Editor

Topics of interest include, but are not limited to::

- classical, time-frequency and higher-order signal processing;
- artificial intelligence/machine learning;
- vibration sensor-based structural health monitoring technologies and systems for engineering structures;
- vibration sensor-based condition monitoring technologies and systems for machinery and complex electromechanical assets;
- adaptive vibration sensor-based diagnosis and prognosis technologies and systems;
- vibration sensor-based diagnosis and prognosis technologies and systems for linear and non-linear asset components/assets;
- diagnostic and prognostic feature extraction
- finite element modelling, modal analysis and computational fluid dynamics;
- Internet of Things and services;
- physics of failure and failure modes;
- root cause analysis;
- sensor fusion and data mining;
- image processing;
- big data, data analytics and smart data management

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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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