Special Issue

Sensors for Non-Destructive Testing and Structural Health Monitoring

Message from the Guest Editors

The purpose of this Special Issue is to introduce the new generation of non-destructive testing sensors and mass data intelligent processing and analysis algorithms for structural health monitoring, with its scope including but not limited to the following topics:

- The research and development of non-destructive testing sensors and supporting equipment;
- Abnormal data diagnosis methods based on deep learning algorithms;
- Structural damage identification methods based on computer vision technology;
- Structural health monitoring methods and related devices based on digital twin;
- Multi-source heterogeneous monitoring data fusion;
- Health monitoring methods for large complex structural systems.

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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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