Special Issue

Advances in Signal Processing and Sensing Technology for Improved Structural Health Monitoring

Message from the Guest Editors

Structural health monitoring and non-destructive evaluation are vital tools for ensuring the operational safety of our infrastructure and various industrial process. With recent advancements in machine learning and sensing technology, structural health monitoring tools are expected to become more accurate, rapid and capable of damage diagnosis than before. This Special Issue requests the submission of both review and original research articles related to the advancement of signal processing and sensing technology for improved structural health monitoring. Topics include but are not limited to the following:

- Machine learning for feature extraction, imaging, signal processing, data fusion, and rapid damage diagnostics;
- Sensing techniques such as phased array sensors, multi-sensor, etc.;
- Damage diagnosis and prognosis using non-destructive evaluation;
- Machine learning-assisted structural health monitoring;
- Inspection of complex structures;
- Damage imaging using advanced sensing techniques;
- Multi sensor data fusion.

If you want to learn more information, please contact .

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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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