

Special Issue

Structural Health Monitoring (SHM) and Nondestructive Evaluation (NDE) for Infrastructure and Manufacturing

Message from the Guest Editors

This Special Issue encompasses on structural health monitoring (SHM) and nondestructive evaluation (NDE) for infrastructure and manufacturing. It focuses on innovative approaches on sensing technologies as applications keep expanding for monitoring bridges, roads, tunnels, embankments, overpasses, railroads, as well as manufacturing processes, small and large. The following topical areas are listed as examples, and other synergic efforts are most welcome:

- Guided elastic wave methods for SHM;
- AE applications to hard-to-access structures;
- Structural evaluation under extreme environments;
- Probability of detection in elastic wave methods;
- NDE methods merging AI with various sensing strategies;
- Internet of Things in SHM/NDE;
- Sensor technology and wireless systems;
- Sensor-fusion approaches;
- Merging NDE with 3D printing technology;
- Embedded sensing solutions with 3D printing technology;
- Model-driven and data-driven SHM/NDE methods for advanced manufacturing.

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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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