

Special Issue

Smart Structures and Materials-Based Novel Sensing Technology for Civil Structures

Message from the Guest Editors

To achieve effective non-destructive testing and structural health monitoring for civil structures, smart sensing approaches have been rapidly developed in recent years. However, damage and defects in largescale infrastructures are diverse and cannot be easily detected using conventional NDT techniques. Current inadequate and impressive sensing methods have obstructed the development of structural health monitoring. Advanced sensing approaches using smart structures and materials are urgently needed to meet the increasing requirements in practical engineering applications. The aim of this Special Issue is to generate discussion on the latest research advances in smart structures and materials-based novel sensing technology for civil structures. The Special Issue will publish full research articles and review papers. Potential topics include, but are not limited to, the following research areas:

- Smart materials and sensor design;
- Multifunctional materials for smart sensing;
- Detection mechanism analysis;
- Experimental study and numerical simulation;
- Non-destructive testing;
- Structural health monitoring.

Guest Editors

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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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