

Special Issue

Damage Detection of Structures Based on Piezoelectric Sensors

Message from the Guest Editor

This Special Issue seeks innovative work exploring new analytical methods and experimental techniques for the non-destructive evaluation and monitoring of structural members based on the properties of the piezoelectric sensors. The particular topics of interest include, but are not limited to:

- Piezoelectric sensors for damage detection of structures
- Experimental testing for damage detection, identification, and assessment using piezoelectric sensors
- Structural Health Monitoring (SHM) of structures using PZTs
- Cracking diagnosis of reinforced concrete structural members
- Yielding detection and corrosion evaluation of structural steel and steel reinforcement
- Real-time, continuous, and wireless monitoring of structures
- Finite-element modeling
- Electro-Mechanical Admittance (EMA) or Impedance (EMI) techniques for SHM
- New sensors and techniques for SHM applications
- Applications and development of PZT-based non-destructive techniques

Guest Editor

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Deadline for manuscript submissions

closed (30 November 2020)



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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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