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Structural Health Monitoring Based on Sensing Technology

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Deadline for manuscript
submissions:

closed (20 May 2024)

Message from the Guest Editors

With the growing demand for infrastructure and transportation structure facilities, the requirement for structural health monitoring (SHM) of old structures is increasing. For that reason, this issue focuses on structural health monitoring using the latest sensing technology toward developing and disseminating high-quality research. The research in the field of sensor-based SHM includes the latest experimental and theoretical studies, findings and computational investigations that may improve existing or novel SHM systems. All studies covering (but not exclusive to) the topics and fields below are welcome in this issue:

- Structure health monitoring;
- Sensor monitoring;
- Structure performance assessment;
- Industrial structures monitoring;
- Intelligent monitoring systems;
- Damage detection;
- Novel SHM techniques;
- Drone-based monitoring;
- Scour monitoring;
- Environmental effect detection;
- Artificial intelligence;
- Frequency-based analysis;
- Structural dynamics;
- Computational modeling and digital twinning;
- Laboratory validation;
- Internet of Things;
- Remote sensing;
- Road profile detection



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Special Issue



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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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