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Sensors for Vibration Control and Structural Health Monitoring

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Message from the Guest Editors

Dear Colleagues,

Vibration, strain, and temperature sensors are often essential for condition and structural health monitoring (SHM). Today's sensors can be highly sensitive, ruggedized, miniaturized, distributed, wireless, telemetric, and ultra-low-power consumption. They enable a huge amount of data to be tracked in real time, over vast distances, and often in hostile environments. Much research is ongoing in sensor and condition monitoring technologies.

Industries that can benefit from the use of advanced sensors are those that operate and maintain machinery, vehicles, buildings, bridges, railways, and other infrastructure. Monitoring and analysis can help to determine the root cause of failure of a piece of equipment or structure. In predictive maintenance, condition monitoring is often used to warn of an impending problem so corrective measures can be taken early to prevent failure.

The Special Issue aims to highlight advances in sensor technologies for vibration control and SHM. It also aims to share novel sensor applications to solve challenging condition monitoring problems.

We look forward to receiving your contributions.



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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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