

## Special Issue

# Sensor-Based Frequency, Time-Frequency and Higher-Order Signal Processing for Condition Monitoring, Structural Health Monitoring and Non-Destructive Testing (Second Edition)

### Message from the Guest Editors

This SI focuses on sensor-based technologies and systems for machineries, structures, and materials, with a main focus on novel signal processing developments related to intelligent sensors, the signal processing of sensor data, artificial intelligence for decision making, and the adaptation of sensor-based technologies to non-stationary conditions for machineries, structures, and materials. The following keywords describe this SI: Frequency, time-frequency, and higher-order signal processing for sensor-based technologies and systems for condition monitoring, structural health monitoring, and non-destructive testing; Sensor-based structural health monitoring technologies and systems for engineering structures; Sensor-based non-destructive testing technologies and systems for materials; Sensor-based condition monitoring technologies and systems for machinery and complex electromechanical assets; Adaptive sensor-based technologies and systems for condition monitoring, structural health monitoring, and non-destructive testing; Sensor-based technologies and systems for linear and non-linear assets, structures, and materials.

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### Deadline for manuscript submissions

closed (25 October 2025)



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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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