

Special Issue

Advancing Structural Health Monitoring in AI Era

Message from the Guest Editors

Structural Health Monitoring, a discipline traditionally characterized by periodic assessments and manual inspections, is undergoing a transformative evolution. In this journey, we delve into the profound interconnection between AI and structural health. This exploration transcends previous limits allowing us to navigate the intricate terrain of "Advancing Structural Health Monitoring in the AI Era." The marriage of AI and structural health monitoring not only heightens our capacity to detect potential issues but empowers us to address them preemptively, minimizing risks and ensuring the enduring stability of critical infrastructure. Join us in shaping the future where the dynamic interplay of innovation and resilience defines the evolution of intelligent engineering in the era of AI. This Special Issue invites contributions on the following topics (but is not limited to them):

- Innovation sensors
- Real time monitoring
- Damage detection
- Anomaly detection
- Risk assessment
- Resilience
- Reliability
- Machine learning
- Deep learning
- Generative AI

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Deadline for manuscript submissions

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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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