



Advancing Structural Health Monitoring in AI Era

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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





sensors



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Message from the Editor-in-Chief

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