



Advances and Machine Learning Approaches for the Health Monitoring and Integrity Assessment of Structures

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Message from the Guest Editors

Structural Health Monitoring (SHM) and damage diagnosis approaches have widely demonstrated their importance in assessing the integrity of damage-tolerant components. This Special Issue will report on the advancements in SHM and machine learning approaches to assess the performance and conditions of engineering structures through monitoring data by taking into account challenging environmental and operational environments, new sensing technologies, and novel data analysis under the theme of Industry 4.0. The results of theoretical, analytical, numerical, or experimental investigation can be presented. Review articles can be also proposed.

The key focus of this Special Issue is on SHM strategies for fibre-reinforced composite materials. Articles on advances and machine learning-based approaches for SHM for other families of materials are also highly appreciated.





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Message from the Editor-in-Chief

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