

Special Issue

Advanced Technologies in SHM, Performance Evaluation, and Reliability Analysis

Message from the Guest Editor

Structural health monitoring (SHM), as a technique for monitoring and evaluating structural health status, has been widely concerned and applied in recent years. It can not only monitor the vibration and strain of the structure in real time, but also provide an accurate assessment of the health status of the structure. The performance evaluation of a structure is an important step to ensure its long-term operation and safety. By using SHM technology, we can monitor the vibration characteristics and deformation of the structure in real time, and provide data support for the performance evaluation of the structure. With SHM technology, we can monitor the health status of the structure in real time and propose corresponding improvement measures. Potential topics include, but are not limited to: Structural health monitoring; Performance evaluation; Reliability analysis; Application of new sensor technology in structural health monitoring; Application of machine learning to performance evaluation; The development of nondestructive testing technology and its application in reliability analysis.

Guest Editor

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Message from the Editor-in-Chief

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