Special Issue

Recent Advances in Vibration-Based Structural Health Monitoring

Message from the Guest Editor

This Special Issue will present recent advances made in vibration-based structural health monitoring (VBSHM) using dynamic responses of the structure to an excitation. In fact, vibration-based approaches are suitable for global health monitoring of structures even without any a priori knowledge of and accessibility to the damage location. Papers on parameter and feature estimation based on linear structural behavior, SHM taking into account the nonlinear structural behavior, sensor layout and data collection strategies, integration of SHM with vibration control of structures, wireless monitoring, and applications or case studies are expected.

Guest Editor

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Deadline for manuscript submissions

closed (29 April 2022)



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About the Journal

Message from the Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 22.7 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2025).

