Special Issue

Advancing Engineering Technologies and Applications in Structural Dynamics and Vibrations

Message from the Guest Editors

This Special Issue of *Vibration* solicitates the novel research works that can circumvent current grand challenges and advance state-of-the-art technologies and applications in the field of structural dynamics and vibrations, including, but not limited to, the topics listed below:

- Advanced sensing for vibration measurement;
- Structural dynamics modeling and analysis;
- Vibration and wave-guided structural health monitoring and damage identification;
- Machinery fault diagnosis and prognosis, machinery predictive maintenance, and machinery remaining life forecast;
- Smart materials and structures;
- Active, passive, and hybrid vibration control;
- Power and energy harvesting of vibration systems;
- Uncertainty quantification in structural dynamics;
- System reliability analysis, and design optimization under uncertainties.

Guest Editors

Dr. Kai Zhou

Dr. Hongling Ye

Dr. Qi Shuai

Deadline for manuscript submissions

closed (15 October 2023)



Vibration

an Open Access Journal by MDPI

Impact Factor 1.6 CiteScore 3.4



mdpi.com/si/119116

Vibration Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 vibration@mdpi.com

mdpi.com/journal/ vibration





Vibration

an Open Access Journal by MDPI

Impact Factor 1.6 CiteScore 3.4



vibration



About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

Prof. Dr. Aleksandar Pavic College of Engineering, Mathematics and Physical Sciences, University of Exeter, Kay Building, Exeter EX4 4QF, UK

Author Benefits

High Visibility: indexed within Scopus, ESCI (Web of Science), and other databases.

Journal Rank: CiteScore - Q2 (Engineering (miscellaneous))

Rapid Publication:

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).

