

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)



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

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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.

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CiteScore - Q2 (Engineering (miscellaneous))

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 20.8 days after submission; acceptance to publication is undertaken in 3.6 days (median values for papers published in this journal in the second half of 2025).

