



Advanced Technologies in Vibration Measurement and Active Control of High-Speed Rotational Machines

Guest Editors:

Dr. Biao Xiang

Dr. Ming Liu

Dr. Hu Liu

Prof. Dr. Cong Peng

Deadline for manuscript
submissions:

31 August 2024

Message from the Guest Editors

Dear Colleagues,

High-speed rotational machines, are widely used in many fields as compressors, pumps, and spindles. Advanced technologies in vibration measurement and active control of high-speed rotational machines have become increasingly important to industrial applications. This Special Issue will focus on the advanced measurement methods, analysis methods and active vibration control methods of the high-speed rotational machines. We invite the submission of the latest high-quality contributions covering the advanced developments in the design, analysis and control of high-speed rotational machines, including but not limited to the following technical areas:

- machine design;
- vibration measurement;
- vibration control;
- numerical analysis;
- advanced control theory;
- signal processing.





an Open Access Journal by MDPI

Editor-in-Chief

**Prof. Dr. Antonio J. Marques
Cardoso**

CISE—Electromechatronic
Systems Research Centre,
University of Beira Interior,
Calçada Fonte do Lameiro, P -
6201-001 Covilhã, Portugal

Message from the Editor-in-Chief

Machines is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications.

Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided.

There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

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

Journal Rank: JCR - Q2 (*Engineering, Mechanical*)

Contact Us

Machines Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/machines
machines@mdpi.com
X@Machines_MDPI