Advances in Bearing Modeling, Fault Diagnosis, RUL Prediction (2nd Edition)

Guest Editors:

Prof. Dr. Hongrui Cao
School of Mechanical Engineering, Xi'an Jiaotong University, Xi'an 710049, China

Prof. Dr. Jianping Xuan
School of Mechanical Science and Engineering, Huazhong University of Science and Technology, Wuhan 430074, China

Prof. Dr. Yongqiang Liu
School of Mechanical Engineering, Shijiazhuang Tiedao University, Shijiazhuang 050043, China

Deadline for manuscript submissions:
30 June 2024

mdpi.com/si/191048

Message from the Guest Editors

Dear Colleagues,

Following the success of the previous Special Issue "Advances in Bearing Modeling, Fault Diagnosis, RUL Prediction", we are pleased to announce the next in the series, entitled "Advances in Bearing Modeling, Fault Diagnosis, RUL Prediction (2nd Edition)".

The objective of this Special Issue is to discover the most recent and significant developments in bearing modeling, fault diagnosis, and remaining useful life (RUL) prediction. This Special Issue encourages and welcomes original research articles that provide a significant contribution in the form of numerical, theoretical or experimental analysis. Review articles related to these application areas are also invited. Potential topics include, but are not limited to, the following:

- Modelling and simulation;
- Failure mechanisms analysis;
- Intelligent sensor and flexible sensor;
- Wireless sensors and sensor networks;
- Signal processing theory and methods;
- Data acquisition and measurement methods;
- Bearing condition monitoring;
- Machine learning and intelligent fault diagnosis;
- Bearing RUL prediction;
- Big data analytics in bearings;
- Intelligent bearings.

Special Issue

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