



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

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submissions:

**closed (30 September 2025)**



### 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.



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## Message from the Editor-in-Chief

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

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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.

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