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Bearing Fault Detection and Diagnosis

Guest Editor:

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Deadline for manuscript submissions:
closed (30 January 2022)

Message from the Guest Editor

Dear Colleagues:

This Special Issue focuses on the topic of bearing fault diagnosis and diagnosis. Researchers are invited to contribute original research papers related to fault detection and diagnosis of bearings considering, but not limited to, different applications, signal processing techniques for fault detection, AI applications to diagnosis, condition-based monitoring, bearing lubrication condition, and remaining life prognosis. Solutions in the context of Industry 4.0 are welcome.

- Acoustic monitoring
- Artificial intelligence-based methods
- Bearing fault detection
- Bearing diagnosis
- Bearing prognosis
- Big data feature learning
- Data-based techniques
- Deep learning
- Digital signal processing
- Feature extraction methods
- Industrial Internet of Things
- Intelligent sensors
- Machine current signature analysis
- Machine learning
- Model-based techniques
- Signal-based techniques
- Statistical diagnosis methods
- Stray flux monitoring
- Vibration monitoring

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Editor-in-Chief

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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