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Condition Monitoring of Mechanical Transmission Systems

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Deadline for manuscript
submissions:

closed (30 September 2023)

Message from the Guest Editors

The Special Issue focuses on advanced and innovative vibration analysis techniques that can be used to monitor the health condition of mechanical transmission systems, including vital components such as gears, bearings, shafts, couplings, and motors.

Potential topics include but are not limited to:

- Vibration-based machinery diagnostics;
- Dynamic analysis for condition monitoring;
- Digital-twin-based fault diagnostics and prognostics;
- Remaining useful life prediction of the mechanical transmission system using advanced vibration analysis algorithms;
- Machinery fault diagnostics under non-stationary operating conditions;
- Fatigue analysis of mechanical transmission systems;
- Artificial-intelligence-based fault diagnostics and prognostics.



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Special Issue



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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

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