

## Special Issue

# Condition Monitoring and Failure Prevention of Electric Machines

### Message from the Guest Editors

To provide a qualified gathering for readers/researchers on this topic, we propose this Special Issue primarily focusing on the issues related to the advanced monitoring, diagnosis, and prevention of typical and complex faults in all kinds of electric machines. The scope of this Special Issue includes but is not limited to the following:

- Fault characteristic analysis of all kinds of electric machines;
- Vibration/noise test and control of different electric machines;
- Fault detection and diagnosis of large-capacity electric machines, especially power generators;
- Failure-prevention-based design/manufacturing improvement for special-use electric machines;
- Online monitoring and fault diagnosis in wind generators;
- Property analysis and improvement in transportation motors;
- New materials/structure/component development and application for new/high-performance electric machines;
- Advanced signal processing methods to extract faulty characteristics in electric machines;
- Monitoring/analysis technologies in electric machine–power grid coupling systems.

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### Guest Editors

Prof. Dr. Yuling He

Dr. David Gerada

Prof. Dr. Conggan Ma

Prof. Dr. Haisen Zhao

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### Deadline for manuscript submissions

closed (20 September 2023)



## Energies

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## About the Journal

### Message from the Editor-in-Chief

*Energies* is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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### Editor-in-Chief

Prof. Dr. Enrico Sciubba  
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