# Special Issue

# Reliability and Condition Monitoring of Electric Motors and Drives

## Message from the Guest Editors

This Special Issue intends to collect original research, practical contributions, and review articles on the condition monitoring and fault-tolerant design of electrical machines and drives. Research studies on insulation aging mechanisms, lifetime prediction, and partial discharge are also invited. Topics of interest include but are not limited to:

- Condition monitoring and signal processing;
- Fault-tolerant electrical machines and drives;
- Advanced control algorithms for improving reliability;
- Modelling, detection, and measurement of partial discharge;
- Accelerated aging tests on electrical machine insulation;
- Insulation lifetime modelling and prediction;
- Prediction and diagnostics of inter-turn short circuits, bearing faults, broken rotor bars, eccentricity, and manufacturing defects.

## Guest Editors

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## Deadline for manuscript submissions

closed (28 January 2025)

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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.

## Editor-in-Chief

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