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Reliability and Condition Monitoring of Electric Motors and Drives

Guest Editors:

Dr. Paolo Giangrande
Department of Engineering and Applied Sciences, University of Bergamo, 24129 Bergamo, Italy

Dr. Marcello Minervini
Department of Engineering and Applied Sciences, University of Bergamo, 24129 Bergamo, Italy

Deadline for manuscript submissions:
closed (28 January 2025)

Message from the Guest Editors

Dear Colleagues,

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.

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Dr. Marcello Minervini
Guest Editors

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Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

Message from the Editor-in-Chief

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Energies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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