



energies



an Open Access Journal by MDPI

Fault Diagnosis in Electric Machines to Ease Predictive Maintenance

Guest Editor:

Dr. Jordi-Roger Riba Ruiz

MCIA Research Center,
Universitat Politècnica de
Catalunya, Rambla Sant Nebridi
22, 08022 Terrassa, Spain

Deadline for manuscript
submissions:

closed (31 December 2019)

Message from the Guest Editor

Fault detection and diagnosis in electric machines and power drives is an active and multidisciplinary research field involving several skills, including machine knowledge, power electronics, signal processing or artificial intelligence, among others. Fault diagnosis allows applying predictive maintenance strategies, thus limiting the extent and consequences of the faults because the failed components can be replaced before failure. In this way, unscheduled faults and downtime are minimized, while component lifetime is maximized.

This Special Issue invites contributions on the topic of fault diagnosis in electric machines based on both experimental and simulation studies. Of special interest are submissions from the fields of fault diagnosis strategies in electric machines and power drives focused to ease predictive maintenance tasks, minimizing fault occurrence and limiting the consequences of the faults. Contributions from the fields of signal processing, artificial intelligence applied to fault diagnosis in electric machines and drives, and RUL models are also welcome, including areas such as industry, automotive, and aerospace applications.



mdpi.com/si/30077

Special Issue



energies



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 Roma, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: CiteScore - Q1 (Control and Optimization)

Contact Us

Energies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/energies
energies@mdpi.com
[X@energies_mdpi](https://twitter.com/energies_mdpi)