



Novel Approaches to Electrical Machine Fault Diagnosis

Guest Editors:

**Prof. Dr. Jose Alfonso
Antonino-Daviu**

Department of Electrical
Engineering, Universitat de
València, 46022 Valencia, Spain

Dr. Toomas Vaimann

Department of Electrical Power
Engineering and Mechatronics,
Tallinn University of Technology,
19086 Tallinn, Estonia

Prof. Dr. Anton Rassõlkin

Department of Electrical Power
Engineering and Mechatronics,
Tallinn University of Technology,
19086 Tallinn, Estonia

Deadline for manuscript
submissions:

closed (20 February 2023)



Message from the Guest Editors

Dear Colleagues,

Electrical machines play an vital role in the industry, performing crucial and highly responsible tasks in production, propulsion, power generation and numerous other industrial processes.

There are many traditional diagnostic techniques in use and under investigation today. Yet, with the world and technology moving rapidly forward, new horizons are opening also in the diagnostic field. The possibility of using Internet of Things, powerful Artificial Intelligence tools, virtual sensors, cloud computing and all the different technological solutions classified as Industry 4.0 options, more advanced, complex, but at the same time more precise diagnostic techniques can be used.

As the usage of electrical machines in the world is rising rapidly in all the sectors of life, novel approaches to electrical machine fault diagnosis can show the way for a more efficient use and prolonged lifetime for the machines and lead the introduction of different intelligent technologies in engineering.

Prof. Dr. Jose A Antonino-Daviu
Dr. Toomas Vaimann
Prof. Dr. Anton Rassõlkin
Guest Editors



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)