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Emerging Theory and Applications in Fault Diagnosis and Motor Drive Control

Guest Editors:

Dr. Francisco Vedreño-Santos
School of Computing, Engineering and the Built Environment, Edinburgh Napier University, Edinburgh EH10 5DT, UK

Prof. Dr. Daniel Morinigo-Sotelo
Research Group HSPdigital-ADIRE, Institute of Advanced Production Technologies (ITAP), University of Valladolid, 47011 Valladolid, Spain

Prof. Dr. Lucia Frosini
Department of Electrical, Computer and Biomedical Engineering, University of Pavia, Via Ferrata 5, 27100 Pavia, Italy

Deadline for manuscript submissions:
15 July 2024

Message from the Guest Editors

Dear Colleagues,

The field of electrical machine fault diagnosis and motor drive control has witnessed unprecedented advancements in recent years, driven by the integration of emerging theories and applications. Electrical machine fault diagnosis and motor drive control play pivotal roles in ensuring the reliability, efficiency and safety of electrical machines and drives, making them indispensable components in industrial applications. This Special Issue aims to explore and showcase the latest developments in this dynamic and critical research area by exploring emerging theories and methodologies that push the boundaries of fault diagnosis and motor drive control, investigating the application of state-of-the-art technologies and new signal processing techniques to enhancing fault detection and motor drive performance and showcasing innovative control strategies that ensure the stability, efficiency, and adaptability of motor drive systems in the presence of faults.

Research areas may include (but are not limited to) the following:

- Diagnosis of three-phase and multi-phase induction machines
- Diagnosis of three-phase and multi-phase synchronous machines

mdpi.com/si/191055

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Editor-in-Chief

Prof. Dr. Flavio Canavero
Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

Message from the Editor-in-Chief

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Journal Rank: JCR - Q2(*Electrical and Electronic Engineering*) CiteScore - Q2 (*Electrical and Electronic Engineering*)

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Electronics Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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