

Special Issue

Emerging Theory and Applications in Fault Diagnosis and Motor Drive Control

Message from the Guest Editors

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

Guest Editors

Dr. Francisco Vedreño-Santos

Prof. Dr. Daniel Morinigo-Sotelo

Prof. Dr. Lucia Frosini

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Electronics
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
electronics@mdpi.com

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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

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