



New Advancements in Fault-Tolerant Motor Drives: Machine Topology, Fault Diagnosis and Data Analytics

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Deadline for manuscript
submissions:

closed (31 May 2021)

Message from the Guest Editors

Over the last few years, extensive advanced fault-tolerant machine drives have been developed, such as multiple-phase machines, WBG-based converters, system integration, and fault ride through control strategies. This Special Issue aims to capture the current state-of-the-art techniques around sensors, hardware and algorithms, novel machine designs, fault mechanism analysis, multiphysics modeling, fault diagnosis, fault management, control algorithms, artificial intelligence, and post-fault control strategies. We particularly welcome the utilization of new materials (conductors, insulators, heat sinks, etc.), new models and designs, sensing techniques, and data analytical algorithms, as well as integrated design optimization and practical demonstrations in industrial applications.





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Message from the Editor-in-Chief

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There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

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