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Fault Diagnosis and Fault Tolerance Strategies for Multiphase Machines and Drives

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Message from the Guest Editors

During the last decade, multiphase machines associated with multiphase inverters have become one of the main research areas for a wide range of industrial applications such as electric and/or hybrid electric vehicles, traction systems, “more-electric” aircraft, wind energy generation, and others where diagnosis, fault tolerance, and high reliability operation are key items.

This Special Issue focuses on fault analysis, condition monitoring, fault-detection, and fault-tolerance techniques for multiphase machines and drives. Topics of interest include, but are not limited to:

- Fault development, analysis, and modelling
- Specialized signal processing techniques for fault detection and quantification
- Fault diagnosis and/or fault tolerance for multiphase machines
- Fault diagnosis and/or fault tolerance for multiphase power converters
- Fault tolerant systems based on control strategies and/or redundant structures.



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Special Issue



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Message from the Editor-in-Chief

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