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Fault Diagnosis in Electric Motors

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Message from the Guest Editor

Electrical machines are critical components of many industrial processes. Currently, reliability has become a critical issue, since for performance and efficiency reasons, high-frequency power signals are fed into machines, intrinsically reducing the lifetime of insulation and magnetic materials. In this context, the fault detection and diagnosis of electrical machines are of increasing importance and mature technologies are required for "open-loop" system fails for electric drives.

This Special Issue will focus on emerging technologies for efficient, non-invasive and online diagnosis of electrical machines. Topics of interest for publication include, but are not limited to:

- Fault diagnosis of electrical machines and drives.
- Specialized signal processing techniques for fault analysis.
- Fault tolerant electrical systems, including multi-phase machines and/or redundant systems.
- Fault diagnosis of power supply for electrical machines.
- Fault diagnosis of electrical power generators.
- Digital technologies for fault tolerant systems.

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Message from the Editor-in-Chief

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