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Sensors for Electric Machines Fault Diagnosis and Condition Monitoring

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Deadline for manuscript submissions:

closed (31 August 2023)

Message from the Guest Editors

Electrical machines are key components in industrial and domestic applications. Nowadays, their vital role has increased due to the rising interest in electrical mobility, renewable energy, robots, unmanned aerial vehicles, etc. Condition monitoring and fault diagnosis is a crucial matter for these applications in order to prevent or minimize the impact of sudden failures. The goal of the Special Issue is to publish the most recent research results and industrial applications in sensors for electric machine fault diagnosis and condition monitoring. Topics include, but are not limited to:

- Data-driven and model-based sensor fault diagnosis;
- Integration of high-volume sensor data in the design of applications for condition monitoring of electrical machines and drives;
- Sensors in advanced electrical machines—fault diagnosis and monitoring applications in different industrial sectors;
- Methods, concepts, and performance assessment for improving the fault diagnosis of existing techniques in the field of electrical machines;
- Electrical drives as sensors in industrial processes;
- Cloud-based software services for fault diagnosis and monitoring of electrical machines.



mdpi.com/si/97457

Special Issue



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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

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