

## Special Issue

# Monitoring and Fault Diagnostics of Electrical Machines

### Message from the Guest Editors

With the popularization of electrification and automation technology, the application of electric machines has expanded from conventional industrial driving to wind power generation, ship power, electrified transportation, aerospace, defense and military, and other fields, where high reliability are key requirements for the safety of electrical machines. Condition monitoring and fault diagnostics, which can realize scheduling preventive maintenance and fault-tolerant operations, are essential to improve the reliability of electrical-machine-based electric drives. Extensive methods have been proposed from model, signal, and data perspectives to monitor and diagnose drive systems. However, current techniques still suffer from time-varying factors and complex operation conditions. Following this Special Issue, innovations in monitoring and fault diagnostics are crucial to further enhance the reliability of machine drives. This Special Issue aims to provide a platform for researchers from both academic and industrial fields to report their recent results and overlook emerging research directions in the monitoring and fault diagnostics of electrical machines.

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### Guest Editors

Prof. Dr. Wei Hua

Dr. Jun Hang

Dr. Wentao Huang

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### Deadline for manuscript submissions

closed (15 January 2024)



## Electronics

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Impact Factor 2.6  
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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 guestedited by leading experts in selected topics of interest.

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### Editor-in-Chief

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