Special Issue

Electrical Machine Health Monitoring and Fault Diagnosis

Message from the Guest Editors

Electric machines are present in the most varied human activities. From industry to electric vehicles, and from home appliances to electric generators, these machines are one of the primary sources of electromechanical energy conversion. It is recently observed that predictive maintenance plays a prominent role in many economic sectors. Thus, diagnosing and classifying faults in electrical machines make up a broad area of study that involves various types of faults and sensors, the application of signal processing techniques, and the classification of data patterns. Because of the remarkable relevance of the topic in relation to electrical machine failures, we invite all worldwide researchers to submit their most recent and original work to this issue. The topics include, but are not limited to, condition monitoring, fault diagnosis, and the prognosis of general electrical machines, such as motors, generators, transformers, and drives.

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Message from the Editor-in-Chief

Machines is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications.
Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided.
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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