Special Issue

Failure Diagnosis and Prognosis of Induction Machines

Message from the Guest Editor

Induction motors present numerous advantages due to their robustness and their power–weight ratio. However, they are subject to several electrical and mechanical faults. Many methods have been developed to diagnose such failures and prevent unwanted stop. The can be based on MCSA, vibrations, noise, electrical or magnetic field, etc. Different techniques have been developed, such as the model-based approach and the data-driven approach. The data-driven method deals with signal processing, statistical tools, data mining, and artificial intelligence. keyword:

- induction machine
- failure diagnosis
- failure prognosis
- short circuit
- open bars
- eccentricity
- artificial intelligence
- modeling
- signal processing
- degraded mode

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Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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