Special Issue

Electrical Machine Design

Message from the Guest Editors

Electrical machine design remains to date one of the most challenging disciplines in electrical engineering. When designing a new machine, different objectives can be pursued: high efficiency and compactness, low manufacturing or maintenance costs, high reliability, robustness and fault tolerance, high speed or torque capabilities, operation in severe environments, etc. To take up challenges of designing new machines, innovative materials, optimized control techniques as well as fast and accurate design tools also need to be developed and integrated in the optimization process. Furthermore, besides electrical aspects, vibrations, heat transfer and acoustic noise need to be taken into account at the design stage in order to ensure optimal working conditions at both the component and system level. Prof. Dr. Johan Gyselinck

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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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