

Special Issue

Design and Optimization of Fractional Kilowatt or Medium Power Electrical Machines

Message from the Guest Editors

Like many other devices, electrical machines require modeling of a series of coupled physical phenomena, depending on the material properties. We are also dealing with several requirements regarding their properties, such as obtaining the highest value of electromagnetic torque or power output, high efficiency in the case of several machines resulting from international standards, low noise levels, and, very importantly, low production costs. Progress in sophisticated optimization methods combined with effective numerical and analytical modeling techniques introduce a superior quality into the design process. We invite you to submit articles on both theoretical and algorithmic aspects of optimization, but with a clear application in our area of interest as well as examples of design optimization considering new technologies, e.g., new magnetic composites, additive manufacturing, and 3D printing.

Guest Editors

Prof. Dr. Krzysztof Komeza

Prof. Dr. Paolo Di Barba

Prof. Dr. Jean-Philippe Lecointe

Deadline for manuscript submissions

closed (20 July 2022)



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Message from the Editor-in-Chief

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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