Special Issue

The Research Progress on Electrical Machine Technologies and Their Applications

Message from the Guest Editors

Nowadays, rotating electrical machines are widely used, from applications in people's daily life, such as in domestic appliances, electrical vehicles, unmanned aerial vehicles, high-speed railways, etc., to industry applications, such as in wind power generators, robots, mining machines and so on. The need to reduce energy consumption and mitigate pollution have driven the topology development of electrical machines with the design of new materials and manufacturing processes able to achieve higher torque density, power density, reliability and efficiency. Moreover, new electrical machine topologies further advance the research on high-power-density machine drives, fault tolerance control strategies, low vibration and noise control methods and intelligence systems. This Special Issue aims to present and disseminate the most recent advances in the theory, design, modelling, application and control of electrical machines and systems. Both high-quality original research and review articles are welcome.

Guest Editors

Prof. Dr. Xu Liu

Dr. Shanhu Li

Dr. Qingguo Sun

Deadline for manuscript submissions

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Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

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