Special Issue

Advances in Optimization and Control of Electric Motors for Energy Savings

Message from the Guest Editors

Motor-driven components used in heating, ventilation, and air-conditioning (HVAC) and refrigeration are the highest energy consumers in the industrial sector. Industrial motors compose a major fraction of total industrial energy uses. Different types of losses that occur in a motor have been identified and ways to overcome these losses explained. Advanced motor technologies provide various opportunities to reduce overall energy consumption in these sectors. Technical energy savings potential is the savings achieved by instantaneous replacement of the entire technically suitable installed based. Throughout this Special Issue, it is expected to characterize the state and type of motor technologies used in industrial appliances and equipment, and identify opportunities to reduce the energy consumption of electric motor-driven systems in the industrial sectors through the use of advanced motor technologies. This Special Issue aims to present and disseminate the most recent advances related to the theory, design, modelling, application, control, and condition monitoring of all types of energy savings on electric motors.

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Deadline for manuscript submissions

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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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