



Advances in Optimization and Control of Electric Motors for Energy Savings

Guest Editors:

Dr. Huiwei Wang

College of Electronic and Information Engineering,
Southwest University, Chongqing
400715, China

Dr. Guo Chen

School of Electrical Engineering and Telecommunications,
University of New South Wales,
Sydney, NSW 2052, Australia

Dr. Huaqing Li

College of Electronic and Information Engineering,
Southwest University, Chongqing
400715, China

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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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Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 Roma, Italy

Message from the Editor-in-Chief

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Energies Editorial Office
MDPI, Grosspeteranlage 5
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