Special Issue

Design, Modeling, and Control of Rotating and Linear Electric Machines for Automotive Applications

Message from the Guest Editor

The automotive industry is one of the main employers in the industrialized countries. The automotive market is nowadays a very competitive market with big actors in nearly all continents. These actors have to evolve and propose new solutions. The electric vehicle has been the main driver of this industry in recent years. Indeed, in order to address the problems of green gazes and polluting emissions of the classical IC engine vehicles, governments all over the world are imposing new legislation which have pushed the automotive industry to develop more or fully electric vehicles. A large variety of electric machines and actuator topologies have been and are still being developed for automotive applications, by both the academic and industrial communities. Hence, the main objective of this Special Issue is to gather the ideas of the research community worldwide into a common platform and to present the latest advances and developments in the design, modeling, and control of electric machines and actuators for automotive applications.

Guest Editor

Prof. Dr. Yacine Amara
GREAH, Université Le Havre Normandie, 76600 Le Havre, France

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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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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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