

Special Issue

Power Electronics Technology and Motor Drive Control

Message from the Guest Editors

The core of modern energy conversion and motion control cannot be separated from power electronics and motor drive control. These technologies not only continue to drive the upgrading of traditional areas such as industrial automation and household appliances but also play a crucial role in emerging areas such as new energy vehicles, renewable energy generation, robotics, intelligent manufacturing, aerospace propulsion and high-end servo systems. This Special Issue aims to bring together and present the latest research progress and breakthroughs in the fields of power electronics and motor drive control in terms of basic theory, innovative design, modeling and analysis, practical applications, advanced control strategies and system health management. We invite scholars and engineers in related fields to share original research papers and jointly promote the cutting-edge development of this interdisciplinary field.

Guest Editors

Prof. Dr. Li Ding

Prof. Dr. Chao Gong

Prof. Dr. Nie Hou

Dr. Cheng Xue

Dr. Binxing Li

Dr. Zhiheng Lin

Deadline for manuscript submissions

closed (28 November 2025)



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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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About the Journal

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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