

Special Issue

Control, Operation and Protection of Multiphase Machines and Drives

Message from the Guest Editors

Modern electric drives suffer more restrictive requirements due to the new role of the present-day green industrial applications in our life. For instance, electric vehicles and clean energy generation systems based on multiphase systems are already considered real alternatives to conventional mobility and electric generation. This situation has promoted the use of electric drives with high reliability and efficiency, as well as with extra operation modes. In this regard, multiphase electric drives can benefit from this more demanding scenario, thanks to their intrinsic advantages over conventional three-phase systems. This research activity has studied these systems from different perspectives, such as the implementation of high-performance control schemes (in pre- and post-fault situations), the management of the fault occurrence, the specific design of multiphase machines and drive topologies, or the development of additional modes of operation. Attending to this promising scenario, the main objective of this Special Issue is to show new advances and developments in the field of multiphase electric drives to the scientific community and industry.

Guest Editors

Dr. Ignacio Gonzalez Prieto
Electrical Engineering Department, Industrial Engineering School,
University of Malaga, 29010 Malaga, Spain

Prof. Dr. Mario Duran
Department of Electrical Engineering, University of Málaga, 29071
Málaga, Spain

Deadline for manuscript submissions

closed (5 July 2023)



Energies

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.2



mdpi.com/si/75009

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

[mdpi.com/journal/
energies](https://mdpi.com/journal/energies)





Energies

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.2



[mdpi.com/journal/
energies](https://mdpi.com/journal/energies)



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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

CiteScore - Q1 (Control and Optimization)