



Control, Operation and Protection of Multiphase Machines and Drives

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)

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.





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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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Journal Rank: CiteScore - Q1 (Control and Optimization)

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Energies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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