



Efficiency and Performance Optimization of State-of-the-Art "Multi-Phase, -Level, -Cell, -Port, -Motor" Electrical Drives and Renewable Energy Systems

Guest Editors:

Dr. Jelena Loncarski

Dr. Vito Giuseppe Monopoli

Dr. Vítor Monteiro

Dr. Leposava Ristić

Dr. Milutin Jovanovic

Deadline for manuscript
submissions:

closed (20 October 2021)

Message from the Guest Editors

This Special Issue will consolidate works on the technological advances and performance optimization methods in the areas of power electronics, electrical machines, and multi-motor drives, with “energy efficiency” as the main common theme and keyword objective. Even though the latter term is versatile and can cover a large variety of devices, the emphasis here will be on electrical drives and power converters deployed for energy generation and/or consumption.

Therefore, we kindly invite prospective authors to contribute to this Special Issue. Papers concerned with, but not limited in scope to, the following topics would be welcome:

- Innovations in energy generation including renewable energy systems;
- Efficiency and/or other performance improvements of industrial multi-motor drives;
- Advances in electro-mechanical energy conversion devices;
- Innovative materials in electrical drives and power semiconductors;
- Investigation of hybrid power electronics converters and hybrid switches;
- Power electronics technologies for electrical propulsion and innovative bi-directional battery charging systems with an emphasis on the transportation electrification.





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Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

Message from the Editor-in-Chief

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Energies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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