

## Special Issue

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

### 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.

### Guest Editors

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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.

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