

## Special Issue

# Advanced Modeling and Optimization of Electrical Drives Technology

### Message from the Guest Editors

Electrical drives provide the fundamental basis for many appliances, industrial equipment and electrified transportation systems. In the context of global sustainability, they must fulfill various requirements, not only physically and technologically but also environmentally. This Special Issue will address the present challenges in advanced modeling and optimization methods for electrical drives, including design analysis methods and models, optimization models, control algorithms and methods/strategies. Topics of interest for publication include, but are not limited to:

- Electrical drives for electric vehicles, more electric aircraft and wind energy conversion systems;
- Advanced topologies of electrical drives;
- Novel applications of electrical drives;
- Optimization methodologies of electrical drives;
- Advanced novel PWM, sensorless and vector and direct torque control techniques;
- Fault diagnosis;
- Fault-tolerant control;
- Artificial Intelligence (AI) for electrical drives;
- Model-based control.

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### Guest Editors

Dr. Ping Liu

Dr. Jin Ye

Dr. Yashan Hu

Dr. Jiangtao Yang

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### Deadline for manuscript submissions

closed (15 February 2024)



## Energies

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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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### Editor-in-Chief

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