



Advanced Modeling and Optimization of Electrical Drives Technology

Guest Editors:

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Deadline for manuscript
submissions:

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Message from the Guest Editors

Dear Colleagues,

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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Message from the Editor-in-Chief

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