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Control of Electrical Machines and Power Electronics Circuits

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Message from the Guest Editors

Dear Colleagues,

The aim of the present Special Issue is to attract original high-quality research papers and review articles proposing new/enhanced control schemes for electrical machines and power electronics circuits. Topics of interest include but are not limited to:

- Rotating and linear electrical machines;
- DC–DC converters and two/multi-level inverters;
- Renewable energy systems including wind, photovoltaic, etc.;
- Sensorless drive systems including low and high speed;
- Advanced control strategies for electric drives and power electronics;
- New topologies and applications of power electronics converters;
- Observers and compensation of model mismatches;
- Power electronics for smart/micro grids and energy storage systems;
- Electrical machines and power electronics in electrical vehicles.

This Special Issue will present cutting-edge research results in these emerging fields as a basis for the reliable and efficient operation of electrical machines and power electronics circuits.



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Special Issue



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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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