Special Issue

Developments in Automatic Control in Drives and Power Electronics

Message from the Guest Editors

Electrical drives and power electronics converters are commonly used in industrial applications, transportation systems, power generation and transmission, and home appliances. Their performance, effectiveness, and reliability strictly depend on the control algorithm used. This Special Issue aims to provide an opportunity for researchers to present their recent work in the field of automatic control in drives and power electronics. Topics related to novel control strategies, trends, problems, and challenges linked to synthesis and analysis will be presented. Papers within (but not limited to) the scopes mentioned below are welcome.

- Advanced control strategies for electrical drives and power converters.
- Modern optimization methods (including nature-inspired algorithms) in identification, tuning, and control.
- Fault tolerant control of electrical machines and power converters.
- Advanced observers and sensorless control.
- Diagnosis, monitoring, and predictive maintenance in drives and power electronics.
- Innovative hardware solutions and communication protocols in power electronics and drives.

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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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