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Modern Electrical Drives: Trends, Problems, and Challenges 2023

Guest Editors:

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Dr. Karol Kyslan

Deadline for manuscript submissions:
closed (30 June 2024)

Message from the Guest Editors

In this Special Issue, the topics related to trends, problems, and challenges linked to design and exploitation will be presented. Papers in (but not limited to) the following scope are welcome:

- Control strategies for different types of electrical motors (DC, ACIM, PMSM, synRM, SRM, etc.);
- Sensor-less control of electrical drives. Estimation of the non-measurable states and parameters;
- Application of advanced control methodologies (fuzzy, neural, robust, predictive etc.) for high performance control of electrical drives;
- Control of complex mechatronic systems taking into account the mechanical part of the system;
- Diagnosis, monitoring and prognosis in electrical drives;
- Fault-tolerant control of electrical drives;

Drives and renewable energy systems. Novel topologies of the power converters dedicated to electrical 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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