Special Issue

Electric Machine Design Approaches and Control Strategies Applied to Automotive and Renewable Energy Systems

Message from the Guest Editors

The emergence of new topologies of CFMs and the synthesis and implementation of advanced control strategies in machine drives and generators are currently considered key technology for the progress of several sustainable development applications, especially for green mobility and energy. The present Special Issue highlights the aspects allied to these trendy applications.

Original research, technical surveys, and reviews, dealing with (but not limited to) the topics listed hereunder, are encouraged for submission: Emerging rotating and linear, radial, axial, and transverse flux PM synchronous machines; Multi-phase and multi-three-phase PM synchronous machines; High-torque, low-speed, direct-drive in-wheel hub PM machines; Flux-switching PM machines; Vernier PM machines; PM-less synchronous machines; Hybrid-excited synchronous machines; Fault-tolerant PM machines; Multi-objective and multi-physics machine design optimization; 48 automotive technology actuators; Direct drive wind energy conversion systems; Direct drive wave energy conversion systems; Two- and three-level inverter PWM control techniques; Machine-converter cooling systems design and characterization.

Guest Editors

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Deadline for manuscript submissions

closed (15 August 2023)

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I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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