Special Issue

Designs, Analysis and Control for Electrical Machines

Message from the Guest Editors

Nowadays, electric machines and drives are widely applied in many fields. This Special Issue invites articles that focuses on recent advancements in the electric machine field, including new control strategies, innovative machine topologies, novel design methodologies, new approaches to emerging application areas, such as robotics, electric ships, aircraft, electric vehicles and wind power generation. Specific topics include, but are not limited to: Control strategies for different types of electrical motors; Sensorless and advanced control scheme of electrical drives. Estimation of the non-measurable states and parameters;
Multiphase drive and converters;
Application of advanced control methodologies for high performance control of electrical drives;
Control of complex mechatronic systems taking into account the mechanical part of the system;
Multi-port machines as double stator and/or double rotor type;
Fault diagnosis in electrical machines and fault-tolerant electrical machines.

Guest Editors

Dr. Maria Stefania Carmeli
Department of Mechanics, Politecnico di Milano via La Masa 1, 20156 Milan, Italy

Prof. Dr. Lucia Frosini
Department of Electrical, Computer and Biomedical Engineering, University of Pavia, Via Ferrata 5, 27100 Pavia, Italy

Deadline for manuscript submissions

closed (30 June 2022)

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Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

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About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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