actuators

an Open Access Journal by MDPI

IMPACT FACTOR 2.2

CITESCORE 3.9

Design, Modelling and Control of Innovative Electromagnetic Actuators

Guest Editors:

Dr. Patrick Lanusse
IMS Laboratory, Bordeaux INP, UMR 5218, CNRS, 351 Cours de la Libération, 33405 Talence, France

Prof. Dr. Hassan HosseinNia
Department Precision and Microsystems Engineering, Technical University of Delft, Mekelweg 5, 2628 CD Delft, The Netherlands

Dr. Zlatina Dimitrova
PSA Groupe, Research and Innovation Departement, Centre Technique de Vélizy, Route de Gisy, Parc Innovel Sud, 78943 Vélizy- Villacoublay Cedex, France

Deadline for manuscript submissions:
closed (10 December 2021)

Message from the Guest Editors

Dear Colleagues,

Electromagnetic actuators have been mostly used in mechatronics applications when high-speed, high-precision, and contactless effects have been required. Contributions from all fields related to innovative electromagnetic actuators are welcome to this Special Issue, particularly the following:

Electromagnetic actuators: state-of-the-art, digitalization, applications, case studies, project reports;
Design of innovative electromagnetic actuators: optimal design, fabrication, EMC, modeling and simulation, system-identification of dynamics;
High-speed and/or high-accurate and cooperative actuators;
Digital control of electromagnetic actuator: robust, nonlinear, MPC, data-based control-systems;
Design of electromagnetic actuator testbeds for education purpose.

Prof. Dr. Patrick Lanusse
Prof. Dr. Hassan HosseinNia
Dr. Zlatina Dimitrova
Guest Editors