

Special Issue

Advanced Motion Control– Electric Drives

Message from the Guest Editor

Motion control is important wherever any machine parts are to move in a controlled way. The range of applications covers all branches of technology, from bio- and nanotechnology to transport systems, robotics, and CNC machining, to huge mining machines and space applications. Precise, fast, and constrained motion control determines the technical success of the operation of devices and the safety of people. Electric drives are found in all branches of industry, transportation, robotics, motion control, medical devices, household appliances, etc. About 8 billion electric motors are used in the EU, consuming nearly 50% of the electric energy that the EU produces. Therefore, the electric drive remains at the center of interest for researchers, but motion systems with pneumatic, hydraulic, or using the combustion of hydrogen and hydrocarbon actuators are also still important in numerous applications. This Special Issue aims to provide an opportunity for researchers to present their recent work on advances in the field of motion control systems, mainly with electric drive, not excluding other sources of propulsion.

Guest Editor

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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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