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## Advanced Motion Control–Electric Drives

Guest Editor:

**Prof. Dr. Jacek Kabziński**

Institute of Automatic Control,  
Lodz University of Technology,  
Lodz, Poland

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### Message from the Guest Editor

Dear Colleagues,

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.

Prof. Dr. Jacek Kabziński

*Guest Editor*



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# Special Issue



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### **Prof. Dr. Enrico Sciubba**

Department of Mechanical and  
Aerospace Engineering,  
University of Roma Sapienza, Via  
Eudossiana 18, 00184 Roma, Italy

## Message from the Editor-in-Chief

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*Energies* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
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