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# Modeling, Control and Optimization of Electric Vehicles and Ship Electric Power Systems

Guest Editor:

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Deadline for manuscript submissions: closed (20 September 2022)

## Message from the Guest Editor

Dear Colleagues,

Electric drive systems are replacing the drives used so far in an increasing number of applications, allowing energy savings and an increase in the overall efficiency of the designed devices. This is another breakthrough in the development of technology. However, there is still plenty of room for improvement and innovation in these technologies. This Special Issue, to which I am pleased to invite you, will hopefully be the place where you would like to publish your ideas and insights related to, among others:

- Modeling of elements included in electric drive systems;
- Comprehensive development of entire electric vehicle models;
- Ship electric power system operation modeling;
- Optimization and selection of electrical energy storage system parameters;
- Design of algorithms that control the operation of electrical machines;
- Optimization of vehicle energy consumption;
- Algorithms that allow the optimization of the operating point of the electric drive system;
- Application of various types of electrical energy sources and electrical energy storage systems;
- Design and implementation of electrical energy storage charging systems.



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# **Editor-in-Chief**

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### Message from the Editor-in-Chief

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