Special Issue

Multiphysics Simulation and Optimization of Electrical Energy Systems

Message from the Guest Editors

This Special Issue aims to develope the original studies, advanced modeling methods, and implementation techniques to efficiently execute the multiphysics and multiscale approaches in the modeling frameworks of the electrical energy systems. Topics of interest for this Special Issue include, but are not limited to:

- Electric/hybrid vehicles (road, heavy-duty and off-road)
- Renewable energy systems
- Multiphysiscs simulation and optimization
- Battery storage
- Supercapacitors
- Fuel cells
- Optimal control
- Battery management systems
- Power electronics converters
- Powertrain modeling
- Component sizing
- Smart grids
- Hybrid ac/dc power grids
- Sustainable power electronics applications
- Charging and traction systems for electric mobility applications
- Power quality
- Load-shift systems

https://www.mdpi.com/journal/electronics/special_issues/Multiphysics_energy Welcome to contribute!

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Deadline for manuscript submissions

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Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

Editor-in-Chief

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