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Electrical Energy Storage Modeling

Guest Editor:

Prof. Dr. Egwu Eric Kalu

Department of Chemical and Biomedical Engineering, College of Engineering, Florida A&M University and Florida State University, Tallahassee, FL 32310, USA

Deadline for manuscript submissions:

closed (10 August 2021)

Message from the Guest Editor

Dear Colleagues,

Currently, Electrical Energy Storage (ESS) systems that can help stabilize the intermittent energy generation associated with renewable sources such as wind and solar energy are needed. A reliable EES design strategy will help us understand the different operational scenarios and the impact of EES on the installed capacities of renewable energy sources in the energy grid. A modeling approach can be used to simulate, analyze, and aid the design of EES and assess their impact on power grid/electrical systems.

This Special Issue seeks to contribute to the development and design of reliable EES systems through multidisciplinary scientific contributions. We invite papers that focus on different types of EES modeling such as batteries, flow and solid oxide cells, supercapacitors, flywheels, etc. Models focused on design decisions related to EES system operation, performance, thermal management, durability, system integration, reviews and case studies relevant to EES modeling are welcome.











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Editor-in-Chief

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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