



Advances in Hybrid Energy Systems and Their Control for Greener Transportation

Guest Editors:

Prof. Dr. Gojmir Radica

Faculty of Electrical Engineering,
Mechanical Engineering and
Naval Architecture, University of
Split, Rudjera Boškovića 32,
21000 Split, Croatia

Dr. Željko Penga

Faculty of Electrical Engineering,
Mechanical Engineering and
Naval Architecture, University of
Split, Rudjera Boškovića 32,
21000 Split, Croatia

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Message from the Guest Editors

Dear Colleagues,

This Special issue aims to present the latest research about the design, modeling, optimization, environmental and techno-economic assessment of hybrid energy systems, as well as recommendations for future work and research directions for optimal hybrid energy system performance and commercialization. The topics of interest include, but are not limited to, the following:

- Design, system engineering, and field applications of hybrid energy systems;
- Modeling, simulation, testing, and verification of hybrid energy systems;
- Performance and control of hybrid energy systems;
- Ageing modeling and lifetime prediction;
- Solid-state battery technology;
- Hydrogen fuel cell technology;
- Fuel cell hybrid electrical vehicle;
- Alternative fuels and their technology;
- Machine learning, big data, and cloud computing in hybrid energy systems applications;
- Real-time energy management and predictive optimization methodologies;
- Monitoring and predictive maintenance of hybrid energy systems;
- Techno-economic and environmental assessment of hybrid energy systems;
- Advances in hybrid energy technologies.





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Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

Message from the Editor-in-Chief

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Energies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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