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Design, Diagnosis and Control and Social Acceptance of Battery, Solar Cell and Fuel Cell System

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Message from the Guest Editors

The objective of this Special Issue is to present the actual state of art in hydrogen energy technologies (fuel cells, electrolyzers, H₂ storage) and hydrogen systems (potentially combining batteries, supercapacitors, photovoltaic modules, wind turbines, etc.), their control and management (including system monitoring), as well as the social and economic challenges facing larger diffusion.

In particular, topics of interest include modeling, control, estimation, diagnosis, prognostic, fault-tolerant control, and long-term planning of hybrid systems based on aging components or environmental conditions, hardware-in-the-loop (HiL) and power hardware-in-the-loop (PHiL) for test validation, but are not limited to the foregoing aspects.

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Special Issue



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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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