Special Issue

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

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.

Guest Editors

Prof. Dr. Mickael Hilairet

University of Bourgogne Franche-Comte, 32 Avenue de l'Observatoire, 25000 Besançon, France

Prof. Dr. Olivier Béthoux

GeePs—Group of electrical engineering – Paris, UMR CNRS 8507 CentraleSupélec, Univ Paris-Sud, Sorbonne Universités, UPMC Univ Paris 06 3, 11 rue Joliot-Curie, Plateau de Moulon, F-91192 Gif-sur-Yvette CEDEX, France

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MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
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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.

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

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