Special Issue

Fuel Cell Systems for Transportation Electrification

Message from the Guest Editors

Fuel cell vehicles promise to be far more efficient, produce low or zero emissions, and operate cleaner than internal combustion based vehicles. The energy density of a fuel cell is greater than that of a battery and can be refueled much faster than a battery. Hence there is an increasing interest in the application of fuel cells for propulsion and also for on-board power generation. The purpose of this special issue is to address the advances in research related to the use of fuel cells for transportation electrification. We invite original manuscripts presenting recent advances in the application of fuel cells for all modes of transportation (road, rail, air, and sea) for propulsion, on-board power generation, and for powering accessories. In addition, optimization of energy system management, reliability, prognostics, and health management as applied to fuel cell based transportation are also of interest.

Guest Editors

Prof. Dr. Kaushik Rajashekara
Department of Electrical and Computer Engineering, University of Houston, Houston, TX 77204, USA

Prof. Dr. Fei Gao
FEMTO-ST Institute, University of Technology of Belfort-Montbeliard, Belfort, France

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Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

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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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