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Fuel Cell Systems Design and Control

Guest Editors:

Dr. Vincenzo Liso

Department of Energy
Technology, Aalborg University,
Fredrik Bajers Vej 5, 9100 Aalborg,
Denmark

Prof. Dr. Yingru Zhao

School of Energy Research,
Xiamen University, Xiamen
361005, China

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Message from the Guest Editors

With an increasing pressure to reduce carbon emissions, fuel cell technologies are considered an environmentally-sustainable solution, which will have a positive impact on future energy systems in many different domains, from automotive to heat and power generation for residential applications. Fuel cell systems are already a viable alternative for electricity and heat generation in different applications and are commercially available in limited numbers.

An extensive effort has been made so far to develop this technology at different levels, from materials to systems; however, a considerable number of problems remain unsolved. The papers in the present Special Issue will try to propose, for what is possible, solutions in the domain of fuel cell technology systems.

Some key areas of investigation relevant to this issue are studies on modeling and experimental validation at different levels: i.e., cell, stack, components, and system. In addition, innovative solutions for thermal and electrical control in fuel cell systems will be given great attention. We also encourage review papers. All types of different fuel cell technologies and applications will be considered relevant.



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Special Issue



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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

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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Energies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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