

Special Issue

Fuel Cell Systems Design and Control

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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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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