Special Issue

Advanced Manufacturing of Fuel Cells and Fuel-Cell Components

Message from the Guest Editors

As the world is transitioning to more sustainable energy sources, hydrogen serves as one of the leading energy vectors. Its use in fuel cells to obtain heat and power is becoming increasingly popular, both for stationary and for mobile applications; quite remarkably, even fuel-cell types fed by other fuels (e.g., direct methanol fuel cells) are considered very promising and substantial research efforts have been spent on them. Therefore, research on innovative and advanced fabrication and production strategies is of paramount importance; this Special Issue specifically aims to serve as a collection of the most recent contributions in the field.
The following topics are of significant interest, but manuscripts addressing other relevant topics are also welcome:

- Additive manufacturing techniques applied to fuel cells;
- Fabrication of the entire membrane electrode assembly;
- Deposition of the catalyst layers and membrane manufacturing process;
- Manufacturing of bipolar plates and gas diffusion layers;
- Production of fuel-cell gaskets;
- Fuel-cell stack assembly lines;
- Techno-economic assessment of the whole industrial process or part(s) of it;
- Automation.

Guest Editors

Dr. Paolo E. Santangelo

Dipartimento di Scienze e Metodi dell'Ingegneria, Università degli Studi di Modena e Reggio Emilia, Via G. Amendola 2, 42122 Reggio Emilia, Italy

Prof. Dr. Marcello Romagnoli

Department of Engineering "Enzo Ferrari", University of Modena and Reggio Emilia, 41125 Modena, Italy

Deadline for manuscript submissions

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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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