Special Issue

Recent Studies on Fluid Dynamics Applied in Energy Systems

Message from the Guest Editors

The innovation of the energy system is closely related to the rapid development of fluid dynamics. Fluid dynamics is applied everywhere in energy systems, not only in the traditional energy systems of application but also in renewable energy systems, including pumped storage, hydrogen energy, biomass energy, wind energy, etc. Moreover, the development of fluid dynamics ensures the safe and economical operation of the energy system. Ensuring the efficient operation of energy systems by transporting the fluid media is always the focus of attention. This Special Issue aims to present and disseminate the latest significant advances related to the fluid dynamics applied in energy systems. Topics of interest for publication include, but are not limited to:

- Traditional energy systems;
- Renewable energy systems;
- Energy storage systems;
- Fluid dynamics applications.

Keywords

- energy system design
- energy conversion
- pumped-storage plant
- fluid machinery
- single-phase and multiphase flows
- computational fluid dynamics (CFDs)
- experimental technology

Guest Editors

Dr. Wenwu Zhang

Dr. Jiaxing Lu

Dr. Zhenmu Chen

Dr. Yaguang Heng

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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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About the Journal

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.

Editor-in-Chief

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

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