Special Issue

CFD Modeling of Two-Phase Flows

Message from the Guest Editor

The flow of two distinct, but interacting fluid phases can be characterised as a two-phase flow. Two-phase flows occur in a wide range of natural processes as well as industrial applications. The necessity for design optimisation, performance improvement as well as safety assessment of various industrial systems and products that utilise two-phase flows, create the need for detailed, quantitative information regarding such complex flows. In the last few decades, advancements in the development of robust numerical modelling techniques and methodologies as well as in the availability of computational resources, has rendered Computational Fluid Dynamics (CFD) a quite useful and robust tool for the prediction of two-phase flows. The main goal of this Special Issue is to bring together users and developers of different CFD-based approaches and codes, in order to share their experience from the development, validation and/or application of two-phase flow CFD tools for the prediction of a variety of different types of two-phase flow, for fundamental as well as applied research purposes.

Guest Editor

Dr. Anastasios Georgoulas

Advanced Engineering Centre, School of Architecture Technology and Engineering, University of Brighton, Brighton BN2 4AT, UK

Deadline for manuscript submissions

closed (30 November 2021)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/63530

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

mdpi.com/journal/energies

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/journal/energies

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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

CiteScore - Q1 (Control and Optimization)