Special Issue

Engineering Modeling of Advanced Heat Transfer Problems

Message from the Guest Editors

In the worldwide attempt to contribute to the energy transition, the solution of advanced heat transfer problems is of concern for several branches of power and energy engineering, and often becomes a key point in enabling new technologies or increasing the efficiency of the well-established technologies. The Special Issue we are launching presents issues encountered and solved in the modeling of advanced heat transfer problems in disparate engineering fields. We welcome papers where, apart from specific applications, the main achievements by the authors could be clearly understood, out of the peculiarities of the specific cases, and offered as lessons for readers. Potential topics include but are not limited to Conjugate heat transfer; Turbulent convection; High heat flux removal; Boiling and condensation; Critical heat flux; Thermal radiation; Thermal absorption in gases and surfaces; Heat transfer in supercritical media; Cryogenic heat transfer. We look forward to reading your latest achievements in any of the directions highlighted above.

Guest Editors

Prof. Dr. Laura Savoldi

Department of Energy "Galileo Ferraris", Politecnico di Torino, 10129 Turin, Italy

Prof. Dr. Jim B.W. Kok

Laboratory of Thermal Engineering, University of Twente, PO Box 217, 7500 AE Enschede, The Netherlands

Deadline for manuscript submissions

closed (31 May 2021)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/39316

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)

MDPI