energies

IMPACT FACTOR 3.2

CITESCORE 5.5

an Open Access Journal by MDPI

Refrigeration, Air Conditioning and Heat Pumps: Energy and Environmental Issues

Guest Editor:

Prof. Dr. Fabio Polonara
Dipartimento di Ingegneria Industriale e Scienze Matematiche (DIISM), Universita' Politecnica delle Marche, 60131 Ancona, Italy

Deadline for manuscript submissions:
closed (30 June 2019)

Message from the Guest Editor

Energy and environmental issues will pose great challenges to the RACHP industry over the next few decades. The common ground for all challenges is that the energy efficiency of components and systems has to increase in order to keep energy consumption and GHG emissions associated with RACHP under control.

The topics to be addressed by this Special Issue on "Refrigeration, Air Conditioning and Heat Pumps" include, but are not limited to:

- Search for alternative, low-GWP working fluids,
- Natural refrigerants and their applications,
- Advanced thermodynamic analyses of reverse cycles and their applications,
- Energy efficiency of vapor compression components and systems,
- Demand Side Management and integration with Renewables,
- Safety issues and risk assessment for flammable refrigerants,
- Control and operations,
- Not-In-Kind alternatives to vapor compression,
- Energy Efficiency of RACHP applications (domestic, commercial, industrial, residential, transport, automotive)
- Environmental impacts of RACHP,
- Market trends and analyses.

energies

an Open Access Journal by MDPI

IMPACT FACTOR 3.2

CITESCORE 5.5

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Aerospace Engineering, University of Roma Sapienza, Via Eudossiana 18, 00184 Roma, Italy

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.

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 (*Engineering (miscellaneous)*)

Contact Us

Energies Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/energies
energies@mdpi.com
𝕏@energies_mdpi