

Special Issue

Efficient Energy Grids for Smart Cities

Message from the Guest Editors

The efficiency of the energy networks concerns different aspects, including the recovery of waste heat and cold in urban areas, the adoption of optimal control strategies, and the integration of different energy grids (thermal, electrical, gas). This is a key issue and involves two further aspects: combined heat and power generation, and optimal coupling between networks and users. Other specific related topics addressed by this Special Issue include:

- Integration of renewables in urban energy networks (conversion and management of heat or electricity from renewable sources through integrated smart grids);
- Planning and modelling of urban energy grids (networks modeling, design, and management through innovative calculation tools);
- Waste energy recovery in urban areas and from energy networks (including power generation in NG pressure reduction stations and cold recuperation from LNG regasification).

This Special Issue aims to collect works that look at these issues and at this strategy. Papers submitted for the Special Issue may be research papers (theoretical and experimental), reviews, or analyses of case studies.

Guest Editors

Prof. Dr. Corrado Schenone

Department of Mechanical Engineering, University of Genoa, Via Opera Pia 15/A, 16145 Genoa, Italy

Dr. Davide Borelli

Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti, Università degli Studi di Genova, sez. Termoeconomica e Condizionamento, Via all'Opera Pia 15a, 16145 Genoa, Italy

Deadline for manuscript submissions

closed (30 November 2020)



Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



mdpi.com/si/32108

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

[mdpi.com/journal/
energies](https://mdpi.com/journal/energies)





Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



[mdpi.com/journal/
energies](https://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)