



*energies*



an Open Access Journal by MDPI

## Integration of Renewable Technologies in Water, Electricity, Heating and Cooling Networks

Guest Editors:

**Prof. Dr. Francesco Calise**

Department of Industrial Engineering, University of Naples Federico II, 80125 Naples, Italy

[frcalise@unina.it](mailto:frcalise@unina.it)

**Prof. Dr. Massimo Dentice D'Accadia**

Department of Industrial Engineering, University of Naples Federico II, P.le Tecchio 80, Naples, Italy

[dentice@unina.it](mailto:dentice@unina.it)

**Prof. Dr. Antonio Piacentino**

Department of Energy, Information Engineering and Mathematical Models, University of Palermo, Viale delle Scienze, 90128, Palermo (PA), Italy

[piacentino@dream.unipa.it](mailto:piacentino@dream.unipa.it)

### Message from the Guest Editors

The dramatic increase in the utilization of non-programmable renewable energy technologies determined a number of positive effects, such as energy diversification, reduction of pollutant emissions, development of local green economies. On the other hand, the large non-programmable amount of renewable energy delivered to the grid poses severe issues in terms of the management of excess energy and balance between demand and supply. In this framework, a novel and more intense attention has to be paid to energy planning activities, in order to select the optimal mix between renewable and fossil technologies, meeting the demands of the user, and allowing one to achieve an optimal balance of the networks. Thus, a scientific approach is required in order to design and analyze, from energy, environmental and economic points of view, the integration of renewable technologies in energy and water networks.

Deadline for manuscript submissions:

**closed (15 January 2018)**



[mdpi.com/si/7949](http://mdpi.com/si/7949)

# Special Issue



# energies



an Open Access Journal by MDPI

## 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, AGRIS, Inspec, CAPlus / SciFinder, and many other databases.

**Journal Rank:** [CiteScore](#) - Q1 (*Control and Optimization*)

## Contact Us

---

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

Tel: +41 61 683 77 34  
Fax: +41 61 302 89 18  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/energies](http://mdpi.com/journal/energies)  
[energies@mdpi.com](mailto:energies@mdpi.com)  
[@energies\\_mdpi](https://twitter.com/energies_mdpi)