



## ICT for Energy

Guest Editors:

**Prof. Dr. Antonello Monti**

E.ON Energy Research Center,  
RWTH Aachen University, 52074  
Aachen, Germany

**Prof. Dr. Ferdinanda Ponci**

Institute for Automation of  
Complex Power Systems, RWTH  
Aachen University, 52064 Aachen,  
Germany

Deadline for manuscript  
submissions:

**closed (31 May 2017)**

### Message from the Guest Editors

Dear Colleagues,

The transformation of the energy system is creating the need for a convergence between the energy and ICT domain. This is particularly true for the electrical grid infrastructure. The so-called Smart Grid is the integration of a distributed intelligent infrastructure on top of the traditional grid. This Special Issue aims at exploring the most advanced examples of interactions of these infrastructures. The main goal is to show how the confluence of Energy and ICT is shaping a completely new scenario for electrical grid operation and planning defining new roles and scenarios. This transformation is affecting all the stakeholders: Distribution grid operators, but also the end customers, now better defined as prosumer for their active role. Papers that present results related to concrete deployments in field test are particularly welcome. Potential topics include, but are not limited to:

- Distributed intelligence for grid automation
- Cloud applications
- Active distribution grids

Prof. Dr. Antonello Monti  
Prof. Dr. Ferdinanda Ponci  
*Guest Editors*





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

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

## Contact Us

---

*Energies* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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

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