



## Risk-Based Methods Applied to Power and Energy Systems

Guest Editors:

**Prof. Dr. Angela Russo**

Dipartimento Energia "Galileo Ferraris", Politecnico di Torino, 10129 Torino, Italy

**Prof. Dr. Gianfranco Chicco**

Department of Energy, Politecnico di Torino, Torino, Italy

Deadline for manuscript submissions:

**closed (30 November 2017)**

### Message from the Guest Editors

Dear Colleagues,

We are pleased to introduce a Special Issue of *Energies* on "Risk-Based Methods Applied to Power and Energy Systems" and to invite interested authors to upload original contributions on related topics. The aim of this Special Issue is to collect articles in which risk-related methods are formulated and applied to different contexts in the power and energy systems area. The main topics of interest for this Special Issue include, but are not limited to:

- Risk-based power system security assessment
- Risk of protection system failures
- Risk aspects in power system economics
- Risks in operational reserve procurement
- Risk-based unit commitment and resource scheduling
- Risk-based power and energy systems planning
- Operational risks with renewable energy resources
- Risk of islanding in distribution networks and microgrids
- Environmental risks for power and energy systems
- Emergent applications of risk-related concepts to power and energy systems

We look forward to receiving valuable contributions.

Prof. Angela Russo

Prof. Gianfranco





# 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)