

Special Issue

Power System Transients and Protection

Message from the Guest Editor

The reliable and uninterrupted operation of the power systems is prerequisite for the efficient and safe transfer and distribution of the electric energy. In this context, the protection of the power systems against lightning and switching events that result in the development of dangerous for the equipment overvoltages is an issue of priority, in an effort to avoid supply interruptions, costly damage of the equipment and extra costs to the utilities because of the undelivered energy. To this direction, main topics of the current special issue are:

- Transient phenomena on modern power systems
- Protection of modern transmission and distribution systems against atmospheric and switching overvoltages
- Grounding systems
- Transients and EMC
- Lightning protection of HVDC and MVDC systems
- Insulation coordination
- Surge arresters technologies
- Lightning testing standards
- Lightning attachment
- Optimal design of lightning protection systems
- Lightning protection of smart grids equipment

Guest Editor

Dr. Christos A. Christodoulou

Department of Electrical and Electronic Engineering Educators, School of Pedagogical and Technological Education, Athens, Greece

Deadline for manuscript submissions

closed (30 December 2021)



Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



mdpi.com/si/62985

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)