



*energies*



an Open Access Journal by MDPI

## Advanced DC-DC Power Converters and Switching Converters

Guest Editor:

**Dr. Salvatore Musumeci**

Dipartimento Energia “Galileo  
Ferraris”, Politecnico di Torino,  
10129 Torino, Italy

Deadline for manuscript  
submissions:

**closed (31 August 2020)**

### Message from the Guest Editor

Dear Colleagues,

The Guest Editor is inviting submissions for a Special Issue of *Energies* on the subject area of “Advanced DC–DC Power Converters and Switching Converters”. This Special Issue will focus on advanced solutions of DC–DC converter and switching topologies, in the strategic fields of emerging power electronics applications for technological growth. Topics of interest for publication include, but are not limited to:

- New topology of switching converter for power electronic applications;
- Control and optimization of switching converter circuit;
- Innovative power devices in switching converter applications;
- Advanced DC–DC converter for power supply applications;
- Switching converter for telecom application;
- Switching converter in smart grid applications and energy transmission systems;
- Advanced DC–DC converters for energy storage systems;
- Switching converters in automotive and traction systems;
- Advanced switching converters for renewable energy conversion;
- Switching converters for LED driving circuits.



[mdpi.com/si/34229](https://mdpi.com/si/34229)

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

**Journal Rank:** CiteScore - Q1 (*Engineering (miscellaneous)*)

## Contact Us

---

*Energies* Editorial Office  
MDPI, St. Alban-Anlage 66  
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://x.com/energies_mdpi)