

## Special Issue

# The Evolution of Power Converter for Power Electronics and Voltage Control

### Message from the Guest Editors

This invites submissions to a Special Issue of *Energies* on “The Evolution of Power Converter for Power Electronics and Voltage Control”. This work aims to illustrate the challenges and opportunities for the electrical grid voltage operation and control offered by power electronics. This Special Issue will deal with novel control techniques and applications for power and energy systems. Topics of interest for publication include, but are not limited to:

- Power system defense;
- HVDC applications;
- Hierarchical voltage control in large power systems;
- Energy storage system;
- Grid forming;
- Application of IoT and/or AI for power systems;
- Advanced voltage control with renewables;
- Voltage stability;
- Resonances and control of mutual interactions;
- Voltage control devices.

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### Guest Editors

Dr. Giorgio Maria Giannuzzi

Dr. Andrea Vicenzutti

Dr. Massimiliano Chiandone

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### Deadline for manuscript submissions

30 September 2025



## Energies

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## 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.

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### Editor-in-Chief

Prof. Dr. Enrico Sciubba

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