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Power Electronic Converters: Control and Applications

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Deadline for manuscript
submissions:

closed (30 April 2022)

Message from the Guest Editor

The Guest Editor is inviting submissions to a Special Issue of *Energies* on “Power Electronic Converters: Control and Applications”. Nowadays, the smart and efficient use of energy systems is not only a challenge but also a requirement, and power electronic converters play a key role in ensuring the success of power and energy applications. This Special Issue is intended for existing and emerging control techniques applied on power systems and renewable energy systems and is of interest to power and energy researchers.

- Power electronics;
- Control methods of power electronics;
- Scalar and vector control;
- Multilevel converters topologies and control;
- Fault tolerant converters;
- Ride-through capability;
- Development using RCP/HIL/PHIL systems;
- PV, wind and ocean wave energy systems;
- Electric vehicles;
- Grid connected power systems;
- Variable speed drives;
- Three-phase and five-phase motor control;
- Utility-scale and industrial applications;
- FACTS and HVDC;
- Distributed generation



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Special Issue



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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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