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## Advanced Perspectives for Modeling, Simulation and Control of Power Electronic Systems

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Deadline for manuscript  
submissions:

**closed (20 February 2021)**

### Message from the Guest Editor

Dear Colleagues,

We invite submissions to a this Special Issue of *Energies*. Modelling and simulation tools represent a valuable design approach if research and development of simple or complex power electronic systems and their control are considered. The techniques improving the validity of the models are increasing the credibility of the results obtained by simulations, thereby speeding up the process required to develop prototypes of power electronic systems. This Special Issue will deal with modeling and simulation procedures of power electronic systems and their control. Topics of interest for publication include but are not limited to:

- Power electronic devices, converters, topologies—modeling and control;
- Finite element analysis and multiphysical phenomenon of power electronic systems;
- Modeling, analysis, and design of power electronic systems;
- Electric machines and drives—modeling and control;
- Embedded control of power electronic systems;
- Simulation and analysis of power electronics in smart grid applications.

Prof. Dr. Michal Frivaldsky

*Guest Editor*



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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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