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## Volume II: Challenges and Research Trends of Electrical Engineering and Power Electronics

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Deadline for manuscript  
submissions:

**closed (18 February 2025)**

### Message from the Guest Editor

Dear Colleagues,

The special issue "Research Challenges and Trends in Electrical Engineering and Power Electronics" will be devoted to current challenges in power generation and distribution.

The special issue is intended to address these requirements. The main, but not the only, focus will be on applications of advanced signal and data processing (computer simulation, surrogate models, machine learning, artificial intelligence and computer science in general) to meet today's challenges of clean, high quality energy. I especially invite papers related to automatic diagnostics in power generation and conversion, special applications of electricity, optimal energy storage, distributed generation, smart grids, renewable and small sources (including small hydro, biomass, biogas, solar, wind and geothermal power) and their integration into the power system, energy harvesting and power quality.

Dr. Bogdan Dziadak

*Guest Editor*



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**Special Issue**



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## Editor-in-Chief

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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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