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Advanced Technologies for Power System Protection and Control with a High Proportion of Renewable Energy Generation

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Deadline for manuscript submissions:
closed (15 June 2025)

Message from the Guest Editors

Dear Colleagues,

"Advanced Technologies for Power System Protection and Control with a High Proportion of Renewable Energy Generation" is a Special Issue of *Energies* for researchers who wish to publish their original papers about power system protection and control methods. The topics of interest for publication include the following:

- Analysis theory and technology of the safe and stable operation of new power systems.
- Protection and control technology of large-scale renewable energy generation connected to AC/DC hybrid power grids.
- Protection and control technology of new energy storage (variable speed pumped storage, compressed air energy storage, electrochemical energy storage, etc.) connected to power grids.
- Protection and control technology of FACTS, adjustable loads, energy routers, and other power electronic equipment connected to power grids.
- Security grid-connected control, security risk assessment, protection principal improvement, and collaborative optimization of large-scale distributed energy.
- Protection and control technology of high-proportion new energy power systems in extreme scenarios

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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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