Special Issue

Planning, Operation, and Control of New Power Systems

Message from the Guest Editors

The rapid development and wide application of communication technology, multi-energy complementary technology, and distributed power generation technology have made the popularity of new power systems increase rapidly across the world, supporting and promoting the adjustment and upgrading of the world's energy structures. With the proposal of a carbon neutrality goal and the continuous improvement of the penetration rate of renewable energy, traditional optimization methods are difficult to adapt to the increasingly complex energy environment and the requirements of new power systems' intelligent decision making. Meanwhile, the continuous refinement of electricity and carbon market mechanisms necessitates stricter requirements for the planning and operation of new power systems. To enhance self-balancing capability and energy efficiency, the guest Editorial Team is seeking original research and review papers related to the optimal planning, operation, and control of new power systems.

Guest Editors

Dr. Hui Hou

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Deadline for manuscript submissions

closed (20 May 2025)

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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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