Special Issue

Planning, Operation, and Control of Renewable-Penetrated Power System in the Context of Building-Integrated Resources

Message from the Guest Editors

In recent years, there has been a progressive process of urbanization and modernization, accompanied by the growth of building-integrated resources via advanced information and communications technologies. Renewable-penetrated power systems incorporate a variety of innovative technologies, strategies, and concepts designed to transform traditional power grids into smarter, more efficient, and sustainable networks. As a result, there is an increasing demand for new planning, operation, and control strategies for renewable-penetrated power systems, especially within the context of building-integrated resources. This Special Issue welcomes contributions on topics such as renewable energy integration and next-generation power systems. The goal is to provide a platform for the dissemination of the latest research and developments in strategies related to renewable-penetrated power systems, particularly in the context of achieving “CO2 peaking and neutrality”.

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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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