

Call for Papers

Special Issue on “Complementary and coordinated planning, operation and control of multi-energy systems”

Important Dates

Full Paper Submission: Jul 31, 2020

Final Decision Notification: Aug. 30, 2020

Publication of Special Issue: Nov. 31, 2020

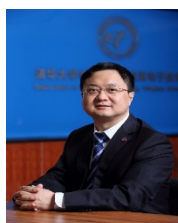
The large-scale development and utilization of renewable energy sources, such as wind power, photovoltaic power and hydro-power, is an important measure to realize the transformation of China's energy strategy. But the scenery and other renewable energy power generation has randomness and volatility, with the contradiction between the increase of the size of consumption have become increasingly prominent. Due to different water scenery complementary power supply having good performance, the multi-energy complementary is an important way to improve renewable energy consumptive ability. In order to promote the effective use of different renewable energy resources, it becomes necessary to adopt a multi-energy complementary system with coordinated planning operation and control.

In this special issue, we focus on the complementary and coordinated planning, operation, and control of multi-energy systems, which can provide an important basis for economy, reliability and security of power systems.

Topics of interest include, but are not limited to:

- Multi-energy-system modeling and parameter identification
- Complementary analysis, optimization and flexibility enhancement of multi-energy systems
- Medium and long-term planning of multi-energy systems
- Coordinated and optimized operation of multi-energy systems
- Coordinated optimal control of multi-energy systems
- Power-to-gas system integration and power-to-heat system integration
- Demonstration and application of multi-energy systems
- Enabling technologies and techniques for efficient monitoring, control and operation of multi-energy systems.

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