

Special Issue

Designing Effective Energy Policy: Integrating Behavioral Economics and System Optimization

Message from the Guest Editor

This Special Issue aims to provide a robust, evidence-based framework for energy policy design by publishing high-quality interdisciplinary research that explores the behavioral and economic drivers of modern energy consumption. The topics of interest for publication include, but are not limited to, the following:

- Policy evaluation of energy efficiency programs using quasi-experimental methods.
- Economic modeling of energy efficiency investments and their impact on system costs.
- The role of nudges, defaults, and information framing in optimizing energy conservation and load shifting.
- Impact of income, pricing, and subsidies on electricity and fuel demand and their role in energy market stability.
- Consumer acceptance and diffusion of energy innovations (e.g., smart meters, EVs, home energy management systems) and the resulting market dynamics.
- Behavioral determinants of residential energy use as inputs for predictive energy system models.
- Energy poverty and equity in access to modern energy services and the design of equitable energy policies.
- The role of technological and business model innovation in shaping energy consumption patterns.

Guest Editor

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About the Journal

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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