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Innovation, Policy, and Regulation in Electricity Markets

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Deadline for manuscript
submissions:

closed (30 April 2021)

Message from the Guest Editors

Dear Colleagues,

The rise of intermittent renewable generation, the coming mass penetration of electric vehicles and moves to decarbonise the gas grid are leading to widespread innovation experiments within electricity systems and their associated markets. These innovative experiments give rise to policy and regulatory questions which must be addressed if innovations are to become business as usual within the electricity grid.

This special issue will explore lessons from electricity innovation experiments across the world and what implications they have for policy and regulation. We invite papers on experimental evidence on, inter alia:

- Local electricity markets run by distribution system operators (DSOs)
- DSO-TSO (transmission system operator) market co-ordination
- New system operator (SO) product markets
- Transactive energy pilots
- Smart pricing experiments to manage renewable generation
- Smart EV charging
- Use of big data, AI and machine learning within electricity systems
- Power to hydrogen projects



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Special Issue



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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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