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# Modelling Climate-Neutral Energy Systems and Markets

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**closed (30 September 2020)**

## Message from the Guest Editor

Dear Colleagues,

Energy system modeling for achieving carbon neutrality in the entire system is the topic of the Special Issue. Energy system restructuring for carbon neutrality has to include disruptive options (technologies and consumption paradigms), beyond conventional pathways studied so far in the literature. The electricity sector is of key importance to support electrification of final demand and produce carbon-neutral hydrogen, gas, and liquid hydrocarbons. Climate neutrality in power generation heavily depends on integration of renewables at a large scale. To this end, storage system, including with seasonal storage cycles, will need to develop. Distribution of carbon-neutral hydrogen, gas, and liquids has to restructure to accommodate blending from different origins and locations.

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## Message from the Editor-in-Chief

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