



## Low-Carbon Energy Strategies for Sustainability

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### **Message from the Guest Editor**

Concepts such as business-as-usual are not leading to the rapid adoption of carbon markets or changes in behavior. It is clear that efforts to expand renewable energy penetration must be complemented with adaptation and resilience measures.

The future of low-carbon energy could be envisioned as a decentralized multi-vector energy system. Key questions that need to be asked are; how do we decide what are the most economic pathways to achieve the net-zero goals? What are the technologies we should be developing, but have not? What are the adaptation and resilience measures needed in the future? What are the road blocks to transitioning to a net-zero world? What are the economic and governmental policies that encourage this to happen? How can we forecast and plan for future energy demand? Critically, how can we solve the problems of energy poverty and grow or maintain a stable modern economy for everyone? This Special Issue seeks case-studies, reviews, or research papers which examine how our society and businesses can successfully transition to meet Net-Zero 2050 ambitions.





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