



Renewable Energy and Power System Transformation: Striving towards Carbon Neutrality

Guest Editors:

Dr. Changzheng Shao

School of Electrical Engineering,
Chongqing University, Chongqing
400044, China

Dr. Yizhou Zhou

College of Electrical and Power
Engineering, Hohai University,
Nanjing 210098, China

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Message from the Guest Editors

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- The mechanisms for the further proliferation and integration of renewable energy resources including wind, solar, and so on.
- The operation, planning, and economics of decarbonization pathways in reaching net-zero targets in electrical power and integrated energy systems.
- Reliability evaluation and risk analysis of power and integrated energy systems considering climate shocks and natural disasters.
- Electrical power and energy system solutions for the decarbonization of transportation (road, rail, maritime, air, intermodal, and pipeline), industrial, and real estate sectors.
- System-level solutions and analysis of integrating carbon capture, utilization, and storage (CCUS) technologies.
- The mechanisms and solutions for carbon markets, virtual power plants, and transactive energy and their role in addressing climate change issues in electrical power and integrated energy systems.

We look forward to receiving your contributions.





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Prof. Dr. Marc A. Rosen

Faculty of Engineering and
Applied Science, University of
Ontario Institute of Technology,
Oshawa, ON L1G 0C5, Canada

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