

## Special Issue

# New Trends in Power Networks' Transition towards Renewable Energy

### Message from the Guest Editors

The new trend of generation from renewable energy sources has changed the power network paradigm from a centralized to a distributed generation framework. This transition has laid the foundation of the modern power network, namely smart power network. Smart power networks enable the transition towards renewable energy and energy storage device to enhance sustainable development, minimize carbon emissions and improve power system reliability. To cope with the new challenges, advanced automation, control, ICT concepts, new architectures, algorithms, and procedures are needed. In smart power networks, stability, reliability and security should be addressed and analyzed. Additionally, protection schemes are essential to handle contingencies and unexpected operation problems in the power network and maintain the operation in a stable and secure manner. This Special Issue aims to address the ongoing transition towards renewable energy and new trends and innovations in power and energy networks. We invite the submission of original research articles and comprehensive reviews as well as surveys related to new trends in power network transition towards renewable energy.

### Guest Editors

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### Deadline for manuscript submissions

closed (26 July 2023)



## Energies

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CiteScore 7.3



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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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### Editor-in-Chief

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