

## Special Issue

# Applications of Advanced Control and Optimization Paradigms in Renewable Energy Systems

### Message from the Guest Editors

To achieve net-zero carbon emissions worldwide by 2050, energy transition from traditional power generation towards clean, flexible, and affordable renewable power generation is needed instantly. However, there are many technical issues in deploying renewable power generation. The highly variable, non-controllable, and stochastic nature of renewable energy generation creates power quality, stability concerns, and inconsistency in power systems. Using proper control and optimization methods would yield superior power quality and stability within the standard parameters imposed by the power industry and energy market. This Special Issue aims to disseminate state-of-the-art research and contribute to the applications of control and optimization paradigms in renewable energy systems.

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### Deadline for manuscript submissions

closed (31 August 2023)



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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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