

Special Issue

Artificial Intelligence and Model Predictive Control for Renewable Energy

Message from the Guest Editors

This special issue will focus on publishing original research works about AI for Renewable Energy. We target specifically the development of novel AI algorithms and their applications in renewable energy industries, including new energy system, energy materials, energy conversion devices and energy chemistry. It also welcomes the review papers covering the state-of-the-art developments of AI technologies for renewable energy system modelling and optimization. Topics of interest for this Special Issue include but are not limited to:

- AI for renewable fuel synthesis
- Data-driven modelling of renewable energy device
- Advanced optimization technique for energy system
- Model predictive control of energy system
- Hybrid AI and physical model for renewable energy related problems
- Internet of things and digital twinning technologies for renewable energy systems
- Data science in renewable energy
- Environmental impact assessment based on big data technique

Guest Editors

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Deadline for manuscript submissions

closed (31 January 2024)



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You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

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