# Special Issue

# Artificial Intelligence Techniques for Solar Irradiance and PV Modeling and Forecasting

## Message from the Guest Editors

This Special Issue aims to collect original research or review articles in the areas of artificial intelligence applied to solar irradiance modeling/forecasting and PV system design. Thus, this call seeks submissions on innovative machine learning and deep learning methods for solar irradiance forecasting and PV systems modeling.  Potential topics include but are not limited to:

- Solar irradiance modeling and forecasting
- Typical meteorological year (TMY) modeling
- PV system modeling
- Space–time prediction of solar irradiance
- Deep learning and machine learning methods
- Reinforcement learning

## Guest Editors

Dr. Fouzi Harrou

Dr. Ying Sun

Dr. Bilal Taghezouit

Dr. Abdelkader Dairi

## Deadline for manuscript submissions

closed (20 March 2023)

# 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.

### Editor-in-Chief

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