



energies



an Open Access Journal by MDPI

Modelling and Simulation of Renewable Energy Sources Based on Multi-Agent System

Guest Editors:

Prof. Dr. Konstantinos Kyprianidis

School of Business Society and Engineering, Division of Automation in Energy and Environmental Engineering, Mälardalen University, 72123 Västerås, Sweden

Dr. Stavros Vouros

School of Business, Society and Engineering, Mälardalen University, SE-72123 Västerås, Sweden

Dr. Costanza Saletti

Department of Engineering and Architecture, University of Parma, I-43124 Parma, Italy

Deadline for manuscript submissions:

closed (31 August 2024)

Message from the Guest Editors

This Special Issue is open, but not limited, to contributions in the following focus areas:

- Modelling and simulation of renewable energy plants and systems;
- Physics-based, data-driven, or hybrid modelling approaches;
- Real-time and/or adaptive models;
- Techno-economic and environmental assessment;
- Probabilistic approaches and uncertainty quantification;
- Feedback or feedforward control;
- Machine learning and artificial intelligence applications;
- Single- or multivariable/objective optimisation;
- Multiagent systems;
- Model-in-the-loop and hardware-in-the-loop applications;
- Site demonstrations and experimental approaches



mdpi.com/si/152829

Special Issue



energies



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 Roma, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: CiteScore - Q1 (Control and Optimization)

Contact Us

Energies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/energies
energies@mdpi.com
[X@energies_mdpi](https://twitter.com/energies_mdpi)