Special Issue

State-of-the-Art Artificial Intelligence Models for PV Fault Detection

Message from the Guest Editors

Even with the consistent growth in global photovoltaic (PV) capacity, the necessity for fault detection in PV systems has not been widely addressed regardless of its importance. Therefore, this Special Issue aims to solicit original and high-quality research articles related to the aforementioned topics. In particular, topics of interest include but are not limited to:

- PV fault detection and classification using mathematical and statistical-based algorithms;
- PV fault detection and classification using artificial intelligence (AI) models;
- Degradation estimation of PV systems;
- On-site characterization and inspection of PV systems (photoluminescence, thermography, electroluminescence).

Other relevant topics will also be considered.

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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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