



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

Guest Editors:

Dr. Mahmoud Dhimish

Department of Electronic
Engineering, University of York,
Heslington YO10 5DD, UK

mahmoud.dhimish@york.ac.uk

Prof. Dr. Yihua Hu

Department of Electronic
Engineering, University of York,
Heslington, York YO10 5DD, UK

yihua.hu@york.ac.uk

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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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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

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Energies
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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