Special Issue

Fault Diagnosis for Photovoltaic Systems Based on Sensors

Message from the Guest Editor

This Special Issue will focus on PV fault detection and classification techniques based on sensors:

- Sensors and sensing strategies for fault detection and diagnosis of PV devices;
- Sensors and sensing strategies for PV system voltages, currents, energy, power, and other electrically relevant quantities;
- Sensors and sensing strategies for irradiance, temperature, and other weather-related quantities;
- IoT–PV sensors and applications;
- Smart PV sensors;
- PV sensor development and analysis;
- Advanced PV sensor characterization;
- Embedded implementation of sensors, preprocessing techniques, computational-oriented strategies, edge computing;
- Calibration, characterization, and testing procedures for PV-oriented sensors;
- Visual and thermal inspection fault diagnosis methods;
- Electrical-based fault diagnosis methods;
- Machine learning and soft-computing techniques for data processing, aggregation, filtering, and forecasting in PV systems and applications.

Guest Editor

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Deadline for manuscript submissions

closed (31 January 2025)

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 9.4
Indexed in PubMed

mdpi.com/si/169611

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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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