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Intelligent Fault Detection of Photovoltaic Plants Using Multimodal Approaches

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Deadline for manuscript submissions:
31 January 2025

Message from the Guest Editors

We are excited to announce a Special Issue dedicated to the intersection of computer vision technology and fault detection in photovoltaic (PV) plants. With the increasing adoption of solar power, ensuring the efficient operation and maintenance of PV plants is crucial. This Special Issue aims to explore how computer vision, signal processing, and multi-modal techniques can revolutionize fault detection, allowing for early identification and intervention to enhance plant performance and reliability.

We invite submissions of novel algorithms, methodologies, case studies, and applications of computer vision for intelligent fault detection in PV plants. Topics of interest include, but are not limited to:

- Image processing
- Machine learning
- Remote sensing techniques applied to PV plant monitoring and diagnostics

This Special Issue seeks to provide a platform for researchers, engineers, and practitioners to exchange ideas, share insights, and push the boundaries in this vital area of renewable energy technology.

For more information and to submit your paper, please contact Special Issue Assistant Editor Ms. Haley Lei at haley.lei@mdpi.com

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Message from the Editor-in-Chief

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