Special Issue

Photovoltaic Modules 2021

Message from the Guest Editors

This Special Issue is dedicated to the photovoltaic (PV) modules, which are the main component of photovoltaic plants. The contributions submitted to this Special Issue should deal with the following topics, as well as other potential topics that are not mentioned here:

- Electrical mismatch of solar cell I–V curves due to imperfect sorting process, defects/failure of the solar cells, as well as partial shading.
- Potential induced degradation and light induced degradation, visual defects like snail trails due to cracks and micro-cracks, EVA delamination and reduction of insulation resistance, and shunt defects inside the solar cells.
- Techniques for fault-detection (e.g., electroluminescence).
- Recycling techniques of the materials used in the encapsulation.
- Cost–benefit analysis to evaluate the replacement of faulty PV modules.

Guest Editors

Prof. Dr. Filippo Spertino
Department of Energy, Politecnico di Torino, 10129 Torino, Italy

Prof. Dr. Paolo Di Leo
Department of Energy, Politecnico di Torino, 10129 Torino, Italy

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closed (30 June 2021)

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Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

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