Special Issue

Frontiers in Photovoltaic Modules

Message from the Guest Editor

In this Special Issue, we invite original submissions of new research outcomes or reviews that highlight challenges and opportunities in photovoltaic modules. Today, photovoltaic is widely recognized as the lowest cost technology for electricity generation with continued cost reduction. While the market for photovoltaic energy is expanding new frontiers for PV module technologies, the PV module must adapt to and make the most of:

- new cell technologies, whether it is just the cell size or cell technology (including bifacial or tandem cells);
- PV applications generate electricity from all large surfaces making low-cost energy available, e.g., in buildings (BIPV) and vehicles (VIPV);
- Deploying large quantities of solar and considering prefabrications of system parts.

While meeting these challenges, PV module lifetime must remain high at above 20, 30, or more years, independent of ambient conditions in order to reduce costs. Novel characterization techniques for solar modules keep module production quality at the right level.

Guest Editor

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Deadline for manuscript submissions

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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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