Special Issue

Advanced PV Solutions for Achieving the NZEB Goal

Message from the Guest Editor

Advanced PV solutions for NEZBs should cover a wide application area and address many aspects. For instance, they should profitably apply to:

- techniques and technologies for architectonic/structural integration of PV generators in buildings (BIPVs);
- performance and cost optimization of BIPVs;
- criteria for designing and building composite/hybrid PV generators (i.e., PV+wind-, PV+thermal-, and/or PV+hydrogen-based generators, etc.);
- techniques and technologies for electrical energy storage and conversion and so on.

This Special Issue solicits original research and studies related to the abovementioned PV-based solutions for NZEBs, including but not limited to:

- design and construction of next-generation NEZBs with PV generators;
- PV solutions for building integration; building-oriented composite/hybrid PV generators;
- electricity storage and conversion;
- simulations and energy performance analyses;
- mapping of performance differences;
- new-generation solar trackers.

Guest Editor

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closed (18 July 2024)

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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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