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Advanced PV Solutions for Achieving the NZEB Goal

Guest Editor:

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Deadline for manuscript submissions:
18 July 2024

Message from the Guest Editor

Dear Colleagues,

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

1. techniques and technologies for architectonic/structural integration of PV generators in buildings (BIPVs);
2. performance and cost optimization of BIPVs;
3. criteria for designing and building composite/hybrid PV generators (i.e., PV+wind-, PV+thermal-, and/or PV+hydrogen-based generators, etc.);
4. 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.

Dr. Rosario Carbone
Guest Editor

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Message from the Editor-in-Chief

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