

Special Issue

Smart PV Generation with Energy Storage

Message from the Guest Editor

Energy storage (ES) supports higher grid penetration for renewables, and it is an especially good fit for coupling with distributed photovoltaic (PV) generation by enabling local generation, storage, and consumption of energy also in the built-up areas. In this Special Issue, we therefore welcome contributions within the general area of PV-ES systems. Specific topics could include, but are not limited to:

- Power electronic converter topologies and control for integration of energy storage with PV
- Modular PV-ES systems for large power plants and residential applications
- Grid support and services by PV-ES systems
- Energy management/operational strategies to maximize user benefits from PV-ESS (e.g., maximizing self-consumption)
- Energy tariff models to support higher adoption of PV-ESS especially in residential applications
- Coordinated control of distributed PV-ES systems

Guest Editor

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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