



Cost-Effective and Intelligent Controller Based Design for Wind and Photovoltaic Power Generation Systems

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Message from the Guest Editor

This Special Issue will publish research work ranging from simulations to hardware prototypes related to cost-effective and intelligent controller based solar and wind power generation systems. The specific research keywords for the Special Issue include, but not limited to the following:

- (1) Cost-Effective smart PV inverter design.
- (2) Intelligent controller development for smart PV inverter.
- (3) New DC-DC boost converter and control design for solar PV systems.
- (4) Cost-effective solar PV plus energy storage systems.
- (5) New maximum power point tracking (MPPT) system for PV systems.
- (6) New and cost-effective wind turbine technologies.
- (7) New control methods and approaches for both doubly-fed induction generator (DFIG) and permanent magnet synchronous generator (PMSG) based wind generator systems.
- (8) Advanced pitch control systems for wind generators.
- (9) Intelligent controller-based grid side converter (GSC) and rotor side converter (RSC) for DFIG based wind generators.
- (10) New MPPT system for wind generator systems.





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Message from the Editor-in-Chief

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