

Special Issue

Design and Control of Advanced Photovoltaic Systems for Enhanced Energy Efficiency and Power Grid Resilience

Message from the Guest Editors

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Reviews and application cases of PVSs in enhanced energy efficiency and power grid resilience.
- Hybrid MPPT algorithms for enhanced PVS efficiency.
- Advanced smart and grid-forming inverters for PVSs
- Resilient microgrid design with PVGs and ESSs.
- Intelligent energy management in PVS-integrated microgrids.
- Integration of vehicle-to-grid (V2G) technology with PVSs
- Cybersecurity in PVG-integrated power grids
- AI-driven conditional maintenance for PVSs and ESSs.

We look forward to receiving your contributions.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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