

Special Issue

Solar-Forecasting-Assisted Photovoltaic Power System Control

Message from the Guest Editors

This Special Issue aims to collect emerging research achievements within the scope of solar forecasting (e.g., solar irradiance forecasting and photovoltaic power forecasting) and its application to PV system control and grid operations. Prospective authors are invited to submit original contributions or survey papers for peer review for publication in *Electronics*. Topics of interest in the Special Issue include, but are not limited to:

- Physical/data-driven methods for solar forecasting;
- AI and machine learning applications in solar PV systems;
- Reliability assessment of operational solar forecasting;
- Solar forecasting reconciliation and hierarchical forecasting;
- Atmospheric science applications in solar forecasting;
- Solar forecasting applications in PV system control/grid operations;
- Data articles for solar forecasting;
- Emerging sensing and measurement techniques;
- PV system/solar irradiance modeling and simulation techniques;
- Reliability modeling and characteristic analysis of high-PV-penetration power systems.

Guest Editors

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Deadline for manuscript submissions

closed (15 January 2024)



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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 guestedited by leading experts in selected topics of interest.

Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.4 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).