# 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

Dr. Xingshuo Li

Dr. Chenggang Cui

Dr. Xiaoyang Chen

## Deadline for manuscript submissions

closed (15 January 2024)

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*Electronics*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
electronics@mdpi.com

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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.

## Editor-in-Chief

Prof. Dr. Flavio Canavero
Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

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