

## Special Issue

# Power Electronics for Smart Grids

### Message from the Guest Editors

The Special Issue seeks high-quality submissions that highlight emerging converter applications to smart grid; smart control of power electronics to achieve smart voltage and frequency regulation of electric power systems; integration of RES, PHEV, and ESS smart communications with the power grid to sell demand response services; and technological advances in electricity distribution and load management. Topics of interest include, but are not limited to:

- Smart control applications for renewable energies;
- Volt/VAR optimization in distribution feeders;
- Wind turbine (WT) and photovoltaic (PV) applications;
- Application of power electronics in smart DC and AC distribution systems;
- Optimal sizing and designing of Hybrid Renewable Energy Systems in smart grid applications;
- Automation technologies to smooth integration of renewable energy resources;
- Electric vehicle (EV) propulsion systems and power electronics applications for electrical drives.

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### Guest Editors

Dr. Michele De Santis

Dr. Stefano Salvatore

Dr. Akshay Kumar Rathore

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### Deadline for manuscript submissions

closed (30 September 2022)



## Electronics

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Impact Factor 2.6  
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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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### Editor-in-Chief

Prof. Dr. Flavio Canavero

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#### High Visibility:

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#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).