

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.

Guest Editors

Dr. Michele De Santis

Dr. Stefano Salvatore

Dr. Akshay Kumar Rathore

Deadline for manuscript submissions

closed (30 September 2022)



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Electronics
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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Systems Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is
provided to authors approximately 16.4 days after
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the second half of 2024).