

Special Issue

AI-Empowered Decarbonization for Modern Power Grids

Message from the Guest Editors

This Special Issue will collect emerging research achievements within the field of artificial intelligence's application for power system decarbonization.

Prospective authors are invited to submit original contributions or survey papers for peer review for publication in *Electronics*. Topics of interest for the Special Issue include, but are not limited to, the following:

- Low-carbon power system optimization and operation;
- Vehicle-to-grid technologies;
- Renewable energy integration;
- Virtual power plant technologies;
- Intelligent power system control methods;
- Data-driven power system modelling and monitoring theories;
- Integrated energy systems;
- Electricity and carbon markets;
- Energy internet.

Guest Editors

Dr. Xiaoyang Chen

Dr. Chaoxian Wu

Dr. Zhong Zhang

Deadline for manuscript submissions

closed (15 January 2025)



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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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