

Special Issue

Symmetry and Distributed Power System

Message from the Guest Editors

We are delighted to extend an invitation for you to contribute to the Special Issue of Symmetry titled “Symmetry and Distributed Power System”. In the midst of global endeavors to address climate change, numerous countries have been proactively incorporating renewable energy sources into their power systems. This integration has brought about unique challenges in preserving the symmetry within these systems. Symmetry is indispensable for ensuring stable operations, enhancing efficiency, and achieving economic optimization. This Special Issue is dedicated to assembling the cutting-edge research that has tackled these challenges, with a particular focus on areas such as harmonic detection, fault analysis, state estimation, and voltage regulation.

For this Special Issue, we enthusiastically welcome the submission of original research articles and in-depth reviews. The scope of research areas includes, but is not limited to, the following topics:

- Harmonic detection and mitigation strategies in distributed power systems;
- Impact of renewable energy integration on symmetry and asymmetry modeling...

Guest Editors

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Deadline for manuscript submissions

30 June 2026



Symmetry

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 5.3



mdpi.com/si/220137

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About the Journal

Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

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