

# Special Issue

## Symmetry in Renewable Energy, Power Systems and Power Quality III

### Message from the Guest Editors

This Special Issue invites researchers to submit original research papers and review articles integrating renewable energy and power systems with a consideration of theoretical or practical issues of symmetry. Applied case studies are especially welcome. Topics of interest include, but are not limited to:

- Symmetry in the topology of power grids;
- Symmetry in multiphase/polyphase power systems. Power network synchronization;
- Effect of symmetry on power quality of smart grids and distribution networks.
- Symmetric and asymmetric components;
- Symmetrical and asymmetrical faults in power systems;
- Symmetry analysis of phase sequence arrangements of multicircuit overhead lines;
- Symmetry studies of electrical signals using signal processing methods (FFT, DFT, STFT, WT, Wavelet...);
- Symmetry in power electronics devices and renewable energy components;
- Symmetry in renewable energy systems (including smart grids and microgrids);
- Symmetrical analysis of power plant layouts and location (including wind farms and photovoltaic plants);

### Guest Editors

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### Deadline for manuscript submissions

closed (31 May 2023)



# Symmetry

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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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### Editor-in-Chief

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