

# Special Issue

## Symmetry in Renewable Energy and Power Systems

### Message from the Guest Editors

This Special Issue invites researchers to submit original research papers and review articles related to renewable energy and power systems in which theoretical or practical issues of symmetry are considered. Applied case studies are especially welcome. The 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;
- 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, etc.);
- Symmetry in power electronics devices and renewable energy components;
- Symmetry in renewable energy systems (including smart-grids and micro-grids);
- Symmetrical analysis of power plant layouts and location (including wind farms and photovoltaic plants);
- Algorithms for studying symmetry in renewable energy and power systems.

Prof. Raúl Baños

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### Guest Editors

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### Deadline for manuscript submissions

closed (30 September 2020)



# 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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