



Symmetry in Renewable Energy, Power Systems and Power Quality III

Guest Editors:

Prof. Dr. Alfredo Alcayde

Department of Engineering,
Universidad de Almería, La
Cañada de San Urbano s/n,
04120 Almería, Spain

Dr. Raúl Baños Navarro

Department of Engineering,
Electrical Engineering section,
University of Almería, E-04120
Almería, Spain

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submissions:

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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);





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Editor-in-Chief

Prof. Dr. Sergei D. Odintsov

1. Institució Catalana de Recerca
i Estudis Avançats (ICREA),
Passeig Luis Companys, 23,
08010 Barcelona, Spain
2. Institute of Space Sciences
(ICE-CSIC), C. Can Magrans s/n,
08193 Barcelona, Spain

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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Symmetry Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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