Special Issue

Symmetry Studies and Application in Power System Stability

Message from the Guest Editors

The dynamic performance, stability, and reliability of power systems is closely related to symmetry, which manifests itself in system topology, components, and layout. This Special Issue provides a good platform for leading researchers worldwide to provide valuable insights into the symmetry/asymmetry of power systems with high-quality results, highlighting symmetry/asymmetry's impact and application in the system stability. Various related aspects will be covered, including modeling and analysis methodologies, system design and operation, fault diagnosis, and signal processing. This Special Issue invites researchers to contribute original research and review articles related to symmetry and its impact and application on power system stability. The topics of interest for this Special Issue include, but are not limited to, the following:

- Critical questions and the fundamental theory of the symmetry/asymmetry of power systems;
- Analysis methodology for the symmetry/asymmetry of power system (including renewable energy systems);
- Treatment and modeling considering the symmetric and asymmetric components, layout, and topology of power systems...

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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.

Editor-in-Chief

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