

Special Issue

Advances and Challenges in Power Systems with High Penetration of Renewable Energies

Message from the Guest Editors

With the development of distributed renewable energy generation and modern power electronics, there has been a profound revolution in operation and control technology of power systems. Distributed renewable energy generation and new loads such as electric vehicles introduce significant randomness and volatility into the power system, together with the characteristics of a fast fault response, nonlinear control, multi-physical field coupling, etc. This brings new challenges to the safe, stable and efficient operation of the power system. Therefore, this Special Issue intends to present new ideas and solutions in the field of operation, control and protection of power systems with high penetration of renewable energies.

Guest Editors

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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