

Special Issue

Control, Optimization and Planning of Power Distribution Systems

Message from the Guest Editors

The use of renewable energy sources is moving generation from the top to the bottom of power systems, where, traditionally, only loads existed. Active demand, distribution energy storage devices, and electric vehicles are going to drastically change the way distribution systems will be operated. In opposition to conventional approaches, modern distribution planning algorithms should emulate the new environment to produce expansion and strategic plans for guiding the evolution of system in times of financial austerity.

In addition, the integration of smart grid operation within planning algorithms is a key point for proper distribution planning that allows for the integration of renewable resources, and cost minimization, for new electrical infrastructures.

In this Special Issue, we invite original submissions of new research outcomes that highlight innovations in the areas of control, optimization, and the planning of power distribution networks. Detail information can be found at: https://www.mdpi.com/journal/applsci/special_issues/Power_Distribution_Systems

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Deadline for manuscript submissions

closed (31 March 2021)



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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.

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