

Special Issue

Smart Distribution Grid Modeling

Message from the Guest Editors

Distribution systems are characterized by great diversity in Europe and worldwide. Common and shared network models are becoming essential in planning and operation studies and in many advanced applications for fully assessing the performances of distribution in response to the main trends in power systems evolution.

Models of general validity or methods for building the model of given networks are required by researchers, system operators, and other power system actors, such as aggregators, microgrid controllers etc. intent on orienting themselves into the new power system scenario.

Contributions on the following topics are welcome:

- Customer behaviors
- Daily curves
- Clustering techniques
- Distribution network representation
- Use of public data
- Representative networks
- Synthetic networks
- Spatial modeling and GIS analysis
- Model aggregation
- Network reduction

Guest Editors

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Deadline for manuscript submissions

closed (30 November 2020)



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About the Journal

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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