Special Issue

Grid Innovation in the Era of Smart Grids

Message from the Guest Editor

In the smart grid era, innovative solutions and technologies for creating intelligent, flexible, and efficient power networks are needed. Thus, distribution networks need to become more flexible and intelligent so distributed energy resources (DERs) and network elements can be adequately managed. These challenges require new tools, strategies, and technologies to manage the transition to the distributed grids of tomorrow and to improve grid reliability and resiliency. You are invited to submit original contributions that promote exploratory research and development of electricity grid innovation while addressing the challenge of a reliable and sustainable distribution system. This Special Issue focuses on recent research and technology improvements including, but not limited to:

- Innovation in the electricity grid
- New planning tools for distribution networks
- Utility perspective
- Innovation to manage grid stability with DERs and electric vehicles
- Role of energy storage in smart grids
- Others

Detail information can be found at:
https://www.mdpi.com/journal/applsci/special_issues/Grid_Innovation

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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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