Special Issue

Electricity Storage

Message from the Guest Editor

Electricity storage will play a crucial role in the energy transition, allowing the massive renewable energy integration in the electrical power system. Electricity storage could help the utility grid operate more efficiently, reduce the likelihood of brownouts during peak demand, and contribute to frequency control, load shifting, peak shaving, smoothing/ramp rate control, and power quality, among others. In stand-alone (off-grid) systems, electricity storage is absolutely crucial for supplying the load when renewable sources cannot supply the load (load following). Taking into account all the above, this Special Issue is dedicated to any topic related to electricity storage, including all the storage technologies, applications, modelling, control, sizing, simulation, and optimization, for grid-connected or off-grid systems, considering technical, environmental, and economic aspects.

Guest Editor

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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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