

Special Issue

Microgrids

Message from the Guest Editors

The electrical power system is evolving at the generation, transmission and distribution levels. At the distribution level, small generating and storage units—the so-called Distributed Energy Sources—are being installed close to consumption sites. The present deployment of microgrids and the consequent increase in renewable energy generation is contributing to the decarbonization of the electrical power system.

However, due to the variability and intermittency of renewable sources, it is also leading to larger uncertainty in power systems, which implies a more complex operation and control. Considering the existing and future planned microgrids interconnection to the current electrical network, challenges in terms of design, operation and control need to be addressed. We would like to invite you to contribute to this Special Issue, which includes the following topics: Design, operation and control of hybrid AC/DC microgrids, optimal sizing of microgrids, optimal operation of microgrids, coordinated protection in microgrids and blockchain applications in microgrids. Dr. Mònica Aragüés-Peñalba

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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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