Special Issue

New Challenges in the Control of Renewable Energy Sources

Message from the Guest Editor

The development of renewables is the best option available to counteract greenhouse gas emissions and their effects on the planet's climate. Though this development is quite promising due to its economic viability and to recent technological advancements, the future penetration of renewables is dependent on control and storage strategies for non-programmable energy sources. The effective control of renewables will be key to their successful development. Such control can be achieved through the fine tuning of network integration devices (storage, load management) and capacity control from the electric grid and user side, but at the same time, also from correct load management on thermal applications such as solar generation, heat pumps, and solar cogeneration.

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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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