Special Issue

Applications of Neural Network Modeling in Distribution Network

Message from the Guest Editors

This Special Issue aims to cover the most recent advancements in the application of conventional neural networks and deep-learning-based models to mitigate the aforementioned challenges in distribution systems with renewable energy sources. The topics and themes of this Special Issue can include, but are not limited to: - The application of deep neural networks to electrical distribution system state estimation and forecasting; - The application of artificial neural networks in analyzing and studying daily electrical loads; - The application of artificial neural networks to network reconfiguration for power loss minimization in distribution networks; - The modeling and optimization of wind turbine power using artificial neural networks; - The application of artificial neural networks to predict electric vehicle charging demand; - Artificial intelligence techniques to control a proton exchange membrane fuel cell system; - The development and application of optimization techniques in distribution systems;

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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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