Special Issue

New Trends in Condition Monitoring and Diagnostics of Power System Assets

Message from the Guest Editor

Recently, researchers have shown interest in different applications of machine learning in power system asset monitoring and diagnostics. For example, application of deep learning to assess the conditions of outdoor insulators or the use of different machine learning algorithms to identify the source of partial discharge inside a power system asset are two areas that have attracted several researchers recently. Moreover, optimizing the health index of power system assets through the utilization of the state-of-the-art data mining techniques is another venue that requires special attention. Prediction of power asset failure, augmentation of machine learning with sensor fusion, and enhancing drone inspection with deep learning are a few examples of other interesting research areas. This Special Issue aims at encouraging researchers to address these important issues and other related challenges in the general area of applying machine learning in condition monitoring and diagnostics of power system assets.

Guest Editor

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Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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