Special Issue

Artificial Intelligence Techniques in Smart Grids

Message from the Guest Editor

Artificial intelligence (AI) is the modern way to perceive, synthesize and demonstrate information relating to science and technology aspects of today's societies. Utilizing appropriate AI models, regression, pattern classification and recognition, prediction and approximation can be realized sustainable development. With the ever-increasing contribution of alternative energy resources in current power systems, the up-to-date passive grids have already been transformed into active, bi-directional networks that are continuously calling for efficient tools to retain stability and reliability. Being able to consolidate the real-world constraints, these systems could not be exist without considering the resources hybridization, multi-sectoral energy satisfaction. The scope of this Special Issue is to examine original research and reviews related to the most recent developments and techniques on the field of smart grid solutions. Within the broad specialized area, intelligent algorithms, novel approaches, alternative models and experimental evaluations that promote and disseminate knowledge on these topics are welcome.

Guest Editor

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Message from the Editor-in-Chief

Algorithms are the very core of Computer Science. The whole area has been considered from quite different perspectives, having led to the development of many sub-communities: Complexity theory (limitations), approximation or parameterized algorithms (types of problems), geometric algorithms (subject area), metaheuristics, algorithm engineering, medical imaging (applications), indicates the range of perspectives. Our journal welcomes submissions written from any of these perspectives, so that it may become a forum for exchange of ideas between the corresponding scientific subcommunities.

Editor-in-Chief

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