Artificial Intelligence and Data Mining in Energy and Environment

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Message from the Guest Editors

Artificial intelligence (AI) and machine learning (ML) methods have recently gained increasing attention from scholars and engineers in different fields, these powerful methods displaying great importance in the study of various processes (and phenomena) in science and engineering. The energy and environmental processes generally suffer from various uncertainties and complexities demanding conventional and hybrid connectionist tools to be used for a variety of purposes, including the classification, clustering, simulation and modeling, process development, control, identification, monitoring, optimization, and prediction upon data availability. The aim of this Special Issue is to publish research and review papers addressing the important theoretical and practical aspects of AI and ML tools in energy and the environment, highlighting the data mining and analytics in sustainable energy production and the utilization and environmental remediation.

- artificial intelligence;
- machine learning;
- model selection;
- sustainable energy;
- environmental remediation;
- data management;
- statistical analysis

Special Issue

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Message from the Editor-in-Chief

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