Special Issue

Recent Optimization Methodologies of Energy Systems Based on Renewable Energy

Message from the Guest Editor

The most attractive topics of this special issue are:

- Optimization methodologies based on single objective function of energy systems;
- Optimization methodologies based on multi objective functions of energy systems;
- Single optimization algorithm for energy systems: particle swarm optimization; artificial bee swarm optimization; genetic algorithm; tabu search; simulated annealing algorithm; chaotic search; harmony search; etc.;
- Hybrid optimization algorithm for energy systems;
- Artificial techniques based on the genetic algorithm, particle swarm optimization, ant colony optimization, etc., for the optimization of energy systems;
- Applications of artificial intelligence in the optimization of renewable energy systems;
- Optimization and predictive models for properties of materials applicable in renewable energy systems;
- Optimization models applicable for predicting the performance and reliability of clean energy systems;
- Energy systems based on renewable energy sources (solar, wind, hydroelectric, geothermal, ocean, hydrogen, and biomass);
- Recent optimization methodologies for hybrid renewable energy systems with different energy sources.

Guest Editor

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

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