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Recent Optimization Methodologies of Energy Systems Based on Renewable Energy

Guest Editor:

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Deadline for manuscript submissions:
closed (15 October 2022)

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.

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Special Issue

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