Special Issue

Optimal Design of Renewable Energy Systems in Smart Power Grid

Message from the Guest Editor

Dear colleagues, This Special Issue, titled “Optimal Design of Renewable Energy Systems in Smart Power Grid”, seeks high-quality works focusing on the application of advanced spatiotemporal transformation, advanced equipment technology, advanced control methods, and advanced decision support system technology, with the goal of reliable, economical, efficient, environmentally friendly, and safe use of the power grid. Topics include, but are not limited to, the following: The various process technologies widely used in flexible electricity–chemicals interconversion, plant coordination, intelligent scheduling, power-to-chemicals storage, etc. Making the operation and control of the power grid more flexible and economical. Being able to adapt to a large number of distributed power sources, microgrids, and charging and discharging facilities, especially directly supplying electrical energy to electric vehicles through chemical energy. In addition, we welcome basic research based on mathematical models and site optimization/selection and economic evaluation.

Guest Editor

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Editor-in-Chief

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