

Special Issue

Big Data Analysis Application and Energy Market Planning from a Sustainable Social Development Perspective

Message from the Guest Editors

A smart energy platform has recently received considerable attention in response to climate change and the ever-increasing demand for energy. It can reduce greenhouse gases through renewable energies, energy storage systems, and so on. Herein, big data analysis and artificial intelligence technologies could assist in practical sensor-based data analysis in the smart energy platform. By extending these technologies, the smart energy platform can establish optimal energy strategies and plans to benefit consumers and producers. This Special Issue solicits original research and survey papers that address diverse smart energy platform technologies based on big data and AI techniques, as follows:

- AI-based sustainable energy forecasting;
- Energy Strategy and Planning;
- Visualization of energy production and consumption within the smart energy platform;
- Probabilistic forecasting of renewable energy and their economic analysis;
- Cyber security technology for smart energy platform management;
- Designing a relational database for regional distributed energy; resource analysis

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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. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full 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

Prof. Dr. Steve W. Lyon

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