Special Issue

Management and Optimization for Renewable Energy and Power Systems

Message from the Guest Editors

In the current context, the transition to a low-carbon energy paradigm is fundamental, where the time window—for climate change to remain at a tolerable level—is increasingly shorter. One of the essential pillars to accelerate this transition is renewable energy generation, which is gaining increasing prominence as it matures in its efficiency and profitability. Thus, the great challenge we must overcome is reducing fossil fuel use and investing in technologies that prioritize renewable energy. The future of energy is distributed, with low emissions and with microgeneration playing important roles, integrating new concepts to accommodate fluctuations. Technology is the answer to making the future predictable, manageable, and integrated. This Special Issue addresses management and optimization for renewable energy. The focus includes the methods and techniques regarding the planning/operation of power systems with a high penetration of renewables. Approaches to integrating these resources into electricity markets, as one of the main drivers for their efficient use, are also welcome.

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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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