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Smart Grid Technologies and Renewable Energy Applications

Guest Editors:

Message from the Guest Editors

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Deadline for manuscript submissions: closed (30 November 2023) Solar photovoltaic (PV) and wind energy systems represent a promising option for renewable generation systems, which are clean, abundant, noise free and friendly to the environment. Thus, tracking the maximum power using artificial intelligence, machine learning and bio-inspired techniques from this energy is crucial to improve the PV system's performance in terms of output power generated, efficiency, reliability and quality. From a practical perspective, the PV or wind cannot supply continuous energy by itself due to the intermittent nature of these sources. Therefore, hybrid renewable energy systems (HRESs) or microgrids have become remarkable solutions, especially to electrify off-grid urban areas.

This Special Issue aims at publishing a set of important research work and the latest advancements in smart grid technologies and renewable energy applications to mitigate its potential shortcomings and challenges. Specifically, authors are encouraged to submit their research work in theoretical or simulation models, practical and experimental, optimization algorithms and applications concerning smart grid technologies and renewable energy applications.

Specialsue



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Message from the Editor-in-Chief

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