Special Issue

Recent Progress in Virtual Power Plants

Message from the Guest Editor

This Special Issue, "Recent Progress in Virtual Power Plants", aims to highlight cutting-edge developments, innovative strategies, and practical applications in the field of Virtual Power Plants (VPPs). As decentralized energy systems, demand response technologies, and grid digitalization continue to evolve, VPPs play a crucial role in aggregating and optimizing distributed energy resources (DERs), enhancing grid flexibility, and facilitating participation in energy markets. We particularly encourage interdisciplinary contributions that bridge academia and industry while showcasing scalable and replicable Virtual Power Plant (VPP) solutions. Through this Special Issue, we aim to provide a comprehensive overview of recent trends and future directions in the development of virtual power plants.

Guest Editor

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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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