



Smart Microgrid and Sustainable Management in Virtual Power Plant (VPPs)

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Deadline for manuscript
submissions:

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Message from the Guest Editors

In this Special Issue, we invite original and unpublished research in areas including (but not limited to) the development and advancement of smart microgrids and sustainable management in virtual power plants (VPPs), including smart microgrids. The main goal is to provide key information needed to inform readers on the sustainable use of VPP systems and management of future electricity networks with massive penetration in terms of renewable energy sources. This includes using various control methods and energy management algorithms to master and control the sustainability of virtual power plant systems (innovative technologies, operations and energy production systems, autonomous systems, power dispatch, robustness and stability, etc.). We are also interested in microgrids in smart buildings (residential, commercial, industrial) and advancements made in the ICT of microgrids/VPPs for smart energy communities and local energy markets (including blockchain, DLT, IoT, etc.). Contributions that study the dispatchable and nondispatchable renewable energy systems in VPP systems within the main energy system are also welcome.





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Message from the Editor-in-Chief

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