



Management and Supervision of Photovoltaic Rooftops

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Message from the Guest Editors

Dear Colleagues,

Energy systems should meet the objectives of sustainable development, which are based on three pillars: economic development, environmental management and social equity. Fossil fuels should be gradually substituted for renewable energy sources and promote self-consumption where photovoltaics may take a prominent role. However, electricity generated from this type of source does not always provide an immediate response to demand due to the fluctuating nature of photovoltaics. Many challenges may be faced from a technical perspective in order to develop smart grid technology through intelligent load management, power electronic converters for the interconnection to the grid, power quality, the incorporation of electric vehicles, as well as the use of energy storage systems.

This Special Issue aims to explore different issues related to the grid integration of photovoltaic systems. Moreover, it will analyze the advances in smart microgrids, incorporating new technologies that can improve power quality (such as voltage stability, frequency stability, and harmonic distortion) of the grid.





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Message from the Editor-in-Chief

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