



## Advances in Control of Photovoltaic and Microgrid Systems

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### Message from the Guest Editors

There lie a lot of challenges on the control of PV and microgrid systems for standalone and grid connected modes. Power electronic conversion is necessitated for integration of PV and microgrid systems to utility grid or operating these even in standalone configuration. Effective operation of a PV or a microgrid system can be accomplished by exploiting advanced control techniques for ensuring stability and power quality. Suitable topology, modelling and optimization of power electronic interface and control are essential to address the aforesaid challenges.

The special issue will cover but not limited to:

- MPPT control of photovoltaic system
- IOT based Smart Solar Photovoltaic Monitoring System
- Power quality enhancement in Photovoltaic integrated Microgrid
- Control of microgrid system
- Forecasting of photovoltaic generation
- Power management and control in a PV, EV and battery integrated Microgrid
- Control and Stability analysis of grid-connected PV systems





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## Message from the Editor-in-Chief

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