



3rd International Conference on Smart Grid and Renewable Energy

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Special Session on Modern Control Techniques for Renewable Energy Systems

Organized and co-chaired by:

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Call for Papers

Outline of the Session:

Currently, the use of renewable energy systems (wind, photovoltaic, wave, etc.) in power generation systems has been remarkably increased worldwide. Therefore, new control techniques for renewable energy systems are highly desirable. Those control techniques shall improve the dynamic and steady-state performance of the system under control. Furthermore, improvement of the efficiency and power quality are also highly required. The aim of the present Special Issue is to attract original high-quality papers proposing modern control strategies for renewable energy systems.

Topics of the session include, but are not limited to:

- Advanced maximum power point tracking (MPPT) algorithms;
- Neural networks and fuzzy-logic control systems;
- Model-based predictive control techniques.
- Sliding-mode control systems.
- Improvement of the robustness against parameter variations;
- Enhancement of the dynamic and steady-state performances of the renewable energy systems;
- Sensorless control techniques.

Author's schedule:

Deadline for submission of special session papers

December 1, 2021

Notification of acceptance

January 1, 2022

Deadline for submission of final manuscripts

1 February 2022

All the instructions for paper submission are included in the conference website:

<http://www.sgre-qa.org/>