



**12th International Conference on
Compatibility, Power Electronics and
Power Engineering
CPE-POWERENG 2018
10-12 April, 2018, Doha, Qatar**



**Special Session on
Integration of Photovoltaic Systems into Active Distribution Grids
organized and co-chaired by:**

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Call for Papers

Outline of the Session:

Nowadays the presence of distributed generation in the electric utility grid, as well as the need of improving its efficiency and management, requires new devices with new control and monitoring capabilities, for establishing what is named Active Distribution Grids (also known as Smart Grids). This Special Session was launched with the aim to joint researchers to discuss subjects related with how to integrate photovoltaic distributed energy systems, as one of the most promising renewable energy sources, in existing utility grids or even new Active Distribution Grids, following the principles to develop the new generation of electric grid and system.

Topics of interest include, but are not limited to:

- Power electronic converter topologies.
- Power flow control and optimization algorithms.
- Frequency and voltage regulation.
- Energy storage systems (including the use of electrical vehicles for this function).
- Demand generation strategies.
- Condition monitoring, intelligent protection, fault diagnosis and self-healing.
- Communications systems and protocols used for integration.

Author's schedule:

Deadline for submission of special session papers	November 15, 2017
Notification of acceptance	January, 2018
Deadline for submission of final manuscripts	February, 2018

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

<http://www.cpe-powereng2018.org/>