



3rd International Conference on Smart Grid and Renewable Energy

www.sgre-qa.org

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Doha, Qatar

Special Session on **DC MICROGRIDS: DESIGN, CONTROL AND OPTIMIZATION** **organized and co-chaired by:**

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Call for Papers

Outline of the Session:

With the proliferation of renewable energy sources and the adoption of several policies to reduce environmental risks caused by traditional polluting sources, the concept of microgrids is gaining nowadays an increased interest especially DC microgrids. In fact, most of renewable energy sources and loads are inherently DC type. Moreover, DC microgrids offer many merits over AC ones in terms of ease of control and efficiency. This session addresses the issues related to DC microgrids architectures, design methods, power sharing control, energy management and applied optimization techniques.

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

- DC microgrids architectures and design techniques
- Distributed generation in DC microgrids
- Power sharing in DC microgrids
- Renewable energy integration in DC microgrids
- Hierarchical control in DC microgrids
- Optimization techniques applied to DC microgrids
- Modeling techniques and simulations of DC microgrids
- Standards and regulations related to DC microgrids implementation
- Onboard applications (aeronautics, naval, etc)

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/>