



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



**Special Session on
High Voltage DC Systems
organized and co-chaired by:**

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Call for Papers

Outline of the Session:

Increasing power transmission, connecting asynchronous systems, reducing overall cost for long transmission, reducing corona losses, enhancing system stability, and interconnection of offshore wind farms with the main power system via undersea cables are examples of the numerous technical and economic benefits of using High-Voltage Direct Current (HVDC) systems. Voltage Source Converters (VSCs) possess superior operational advantages over Line Commutated Converters (LCCs) in HVDC applications for future grid expansions and offshore wind farm integration in particular. These advantages include avoidance of commutation failures, independent control of converter active and reactive powers, possibility to connect to weak ac networks, faster dynamic response over the LCC which results in lower filter size, and no need for a transformer to assist in the commutation process as in the case of LCCs. This special session on HVDC systems intends to present new research results, and latest ideas and innovations in the applications, control techniques, architectures, protection, modeling, and power converters through bringing together researchers and designers from academia, utility, and industry to share and exchange ideas in contemporary issues of this.

Topics of interest include, but are not limited to:

- HVDC systems and their applications (point-to-point and multi-terminal).
- Power Converters (LCC, 2-level, modular multilevel, and DC-DC converters) for HVDC systems.
- Protection of HVDC systems.
- Control of HVDC systems.

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/>