Call for Papers

With massive installation of distributed sources in recent times, power electronic converters are becoming an integral part of electric grid. For more economical, stable and continuous operation of the grid, it is expected that in addition to active power flow, the power converters provide ancillary services such as reactive power compensation, frequency support, voltage regulation for sag/swell, fault ride through, flicker mitigation, harmonic compensation, etc. This special session is dedicated for design, operation, and control of multifunctional grid connected converters.

Topics of interest include, but are not limited to:

- Power converter topologies with improved reliability and efficiency
- Ancillary services capability
- Power converter and grid stability
- Operation during grid faults
- Operation and control with multiple energy resources
- Issues with multiple power converter interaction