

# CALL FOR PAPERS

## Special Session on Multi-functional

# Grid Connected Converters: Design, Operation and Control



IECON 2018 - The 44<sup>th</sup> Annual Conference of the IEEE Industrial Electronics Society  
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### TOPIC OF THE SPECIAL SESSION

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 the Session

- 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

### IEEE IES Technical Committee Sponsoring the Special Session (if any):

- IEEE-IES Technical Committee on Renewable Energy Systems
- IEEE-IES Technical Committee on Smart Grid

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### Author's schedule:

- Deadline for submission of special session papers  
May 1, 2018
- Notification of acceptance  
July 15, 2018
- Deadline for submission of final manuscripts  
August 1, 2018