

CALL FOR PAPERS



Special Session on Energy Storage Systems for Smart Grids: Advanced topologies and control algorithms.

IECON 2018 - The 44th Annual Conference of the IEEE Industrial Electronics Society
October 21-23, 2018, Washington D.C, USA



TOPIC OF THE SPECIAL SESSION

This session is devoted to advanced topologies and algorithms for developing and integrating Energy Storage Systems in Smart Grids, covering new and challenging outcomes that these systems has to fulfill from both the topology and operation point of view. From topology point of view, it will be shown how to improve efficiency and power density, and how to provide bi-directionality with the desired dynamic response and stability. From the operation point of view, it will be presented advance strategies for reducing consumption losses, improving electricity usage, implementing active device or ancillary services and high-level strategies for Energy Management Systems.

Topics of the Session

- Advanced topologies for Energy Storage Systems.
- Control analysis of Energy Storage Systems.
- Advanced strategies for Energy Storage Systems.
- High-level strategies for Energy Management Systems, as Demand Side Response, Peak Savings or Smoothing Power Consumption.

IEEE IES Technical Committee Sponsoring the Special Session:

- IES Power Electronics Technical Committee (PETC)
(Inverters/Rectifiers Subcommittee)

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Author's schedule:

- Deadline for submission of special session papers
June 15, 2018
- Notification of acceptance
July 15, 2018
- Deadline for submission of final manuscripts
September 7, 2018

For additional information please visit www.iecon2018.org