

Energy Storage in Renewable-rich Power Systems



SPIES 2019
Melbourne, Australia

CALL FOR PAPERS

Special Session on Energy Storage in Renewable-rich Power Systems

SPIES 2019-The International Conference on Smart Power & Internet Energy Systems

April 25-27, 2019, Melbourne, Australia



TOPIC OF THE SPECIAL SESSION

Energy Storage in Renewable-rich Power Systems

Abstract:

The importance of grid-level energy storage is becoming paramount in realising smart power systems with the increasing integration of intermittent renewable energy resources. Along with the benefits of flexible, reliable and efficient energy use for consumers, storage is an effective way to smooth out the variable power outputs of the renewable energy sources such as PV and wind. Though small-scale, stand-alone battery storage systems were common previously, large-scale grid-level storage is gaining popularity recently for maintaining grid stability and participating in the frequency support market. However, optimal size, location, and timing of storage

placement, whether distributed or grid-level, need to be decided considering all the benefits a storage can provide to the grid during contingency and normal operation.

This special session will be a venue for reporting the research development, latest technologies and practices, regulatory issues and economic analysis of energy storage systems. The session will highlight the state-of-the-art research challenges and inventions in energy storage technologies and systems to cater the need of renewable-rich power systems.

ORGANIZED AND CO-CHAIRD BY

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Schedule:

Deadline for submission of special session paper to Special Session Organizer- December 31, 2018

Notification of acceptance – January 31, 2019

Deadline for submission of final manuscripts to the Special Session Organizer- February 15, 2019

For additional information please visit www.icpies.org