Special Session on

“Battery Energy Storage Systems: protocols and procedures for an effective performance evaluation”

Special Session Organizer/s
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Abstract
Battery Energy Storage Systems (BESS) models suitable for grid-connected applications must offer trade-off keeping high accuracy even with limited computational effort. In literature the power electronics is a mature issue, very well described, similarly there is a rich proposal of contributions focused on evaluating the performances of a single cell. Moving at a BESS scale, vice-versa, very simplified approaches are typically adopted. The goal of the proposed Special Section is bridge the gap between the detailed modelling of one single component and the overall BESS modelling.

Special session topics
- Battery Energy Storage Systems modelling
- Electrochemical cells performance evaluation
- Lab protocols for batteries
- BESS real life case studies

Submission of provisional full papers: 11th December 2019
Notification of acceptance: 5th February 2020
Submission of final full paper: 22nd April 2020

All the instructions for paper submission are included in the conference website: http://www.speedam.org/?page_id=957