Charla Técnica MEGACAL

Benefits of Real-Time Simulation for Battery Storage Systems

Miércoles 6 de julio 2022, 12:30-13:30, Auditorio

The intermittent nature of renewable resources produces disruptions and instability in the electrical grid. Integrating energy storage systems into the power grids is one of the best solutions to mitigate these problems and address the reliability of the performance of electrical systems. Different strategies for controlling energy storage devices are used to support the integration of ESS and improve its effectiveness during critical situations such as power fluctuations in the electrical grid. This example tests the effectiveness of a battery energy storage system in the presence of a perturbation in a micro-grid. It can be applied with different battery technologies which are used to support the electrical grid, particularly for energy management in micro-grids during power fluctuations and the evaluation of the behavior, feasibility, performance, and effectiveness of BESS by using real-time simulation.

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Reuniones

Comité Permanente del SAAEI

Jueves 7 de julio, 16:30-17:30 h
Sala ASP-2

IEEE PELS-IES Spanish Chapter

Jueves 7 de julio, 17:30-19:00 h
Sala ASP-2

IEEE PELS-I&M Spanish Chapter

Jueves 7 de julio, 17:30-19:00 h
Sala ASP-4

Presentación SAAEI'23

Viernes 8 de julio, 12:30-13:00 h.
Auditorio