

Model predictive control (MPC) has emerged as a powerful control strategy for microgrids due to its ability to handle complex dynamics and optimization problems. This study aims to conduct ...

Abstract The interlinking converter, an important device in a hybrid AC-DC microgrid, undertakes the task of power distribution between the AC sub-microgrid and DC sub-microgrid. To ...

Direct current microgrids are widely regarded as a promising clean power system technique. However, the microgrid stability is challenged by routine operations and unplanned faults, ...

The multiagent systems are one of the recent advanced strategies that use multiple autonomous agents, and it is often integrated with other control techniques to ensure optimal performance ...

The application of a virtual synchronous generator (VSG) to provide virtual inertia in isolated microgrids has emerged as a promising control strategy for converter-inter-faced renewable ...



Helsinki microgrid control

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