Microgrid expert Wu Ming

Semantic Scholar extracted view of "Optimal Dynamic Dispatch for Combined Cooling Heating and Power Microgrid Based on Model Predictive Control" by Wu Ming et al.

Fault detection in microgrids is of great significance for power systems" safety and stability. Due to the high penetration of distributed generations, fault characteristics become different ...

Driven by the development and application of smart grid and renewable energy sources (RES) generation technologies, microgrid (MG) plays an important role in en

To evaluate the proposed algorithm, the EEMS is applied to a typical micro-grid which consists of various DERs, smart ESS and electrical loads. The results show that the EEMS can effectively coordinate the power ...

In Linyi, Shandong, China, researchers used 100% grid-forming (GFM) photovoltaics (PVs) to power the microgrid without the conventional synchronous machine. The microgrid operates ...

In this paper, a multi-objective microgrid reconfiguration model is proposed with two aims of minimizing the operation cost and maximizing power supply reliability after analyzing the influencing...

Biography Ming Wu received the Ph.D. degree from the University of Chinese Academy of Sciences, Beijing, China. He is currently with the China Electric Power Research Institute, Beijing. His research interests ...

To address the limitations of both paradigms, this study integrates a model-based optimization technique, MILP, to generate expert behaviors. These expert behaviors are used to initialize the policy ...

TL;DR: A model predictive control approach is applied to the problem of efficiently optimizing microgrid operations while satisfying a time-varying request and operation constraints and the experimental results ...

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