



Li Yilong Smart Microgrid

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Smart microgrids are emerging as a pivotal solution within this framework, offering localized energy management that aligns with sustainability goals. These systems leverage diverse distributed energy ...

This paper presents SmartGrid AI, a platform integrating deep reinforcement learning (DRL) and neural networks to optimize energy consumption, predict demand, and facilitate peer-to ...

A multi-layer performance model for smart microgrids was constructed. The model driven by operation missions reveals the multi-layer performance characteristics of smart microgrids through ...

Yilong Li PhD, Stanford University Verified email at cs.stanford operating systems distributed systems datacenter computing networking

My research interests span networked and wireless systems, efficient on-device inference for large language models (LLMs), and mobile & wearable devices. ...

Follow their code on GitHub.

Both simulation and experimental results are provided in this paper. This paper presents the power management scheme for a power electronics based low voltage microgrid in islanding ...

Li Yilong currently works at the Department of functional nanocomposites and blends, Leibniz Institute of Polymer Research Dresden.

Title: Intelligent Multi-Microgrid Energy Management Based on Deep Neural Network and Model-Free Reinforcement Learning

This article provides systematic review to follow a thorough evaluation of the present status of research on reinforcement learning (RL)-based microgrid control. The description of ...



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