

Title: UCI Dataset Microgrid

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The UCI Microgrid is a 20MW-class microgrid that serves a community of more than 50,000, a wide array of building types (residential, office, research, classroom), transportation options ...

As a result, UCI has one of the most remarkable examples of a world acclaimed microgrid which today serves as an outstanding platform to explore the microgrid future.

Through an array of prior and current research programs, the UCI Advanced Power and Energy Program (APEP) has teamed and worked with the UCI Administration and Facilities Management ...

We conduct a broad range of research in the microgrid filed across all sectors of the economy. The research spans system modeling, controller development, distribution system management and ...

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With this upgrade and successful islanding demonstration, UCI Administration and UCI FM elected to deploy a permanent microgrid controller which is under way and set to be commissioned in 2022.

This solution will consist of installing 100 advanced meters capable of delivering high resolution data to the UCI Microgrid model as well as sub-metering building loads.

Al Faruque, M. A., Ludwig, H., Dalloro, L., Patent, " Aggregator-based electric microgrid for residential applications incorporating renewable energy sources ", US 8571955 B2 (Approve: October 29, 2013), ...

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