

Faculty Name:

Bolun Xu

Faculty Email:

bx2177@columbia.edu

Lab:

Xu Lab

Project Title:

Data analysis in electricity markets

Description:

The student will conduct data analysis in electricity markets related to price analysis and prediction, and energy storage adoption. The student will get familiar with our in-house machine learning models and optimization models used to simulate electricity market clearing and storage participation. The student will also collect, clean, and analyze real market participation data from California and Texas. The student must be familiar with Python or Julia, with prior experiences with machine learning and optimization, and background knowledge about electricity markets.

Location of Research:

Hybrid (both Remote and On Site)

of hrs/week:

20

Department/Program:

Earth and Environmental Engineering

Eligibility:

MS

To apply, please contact:

Bolun Xu

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