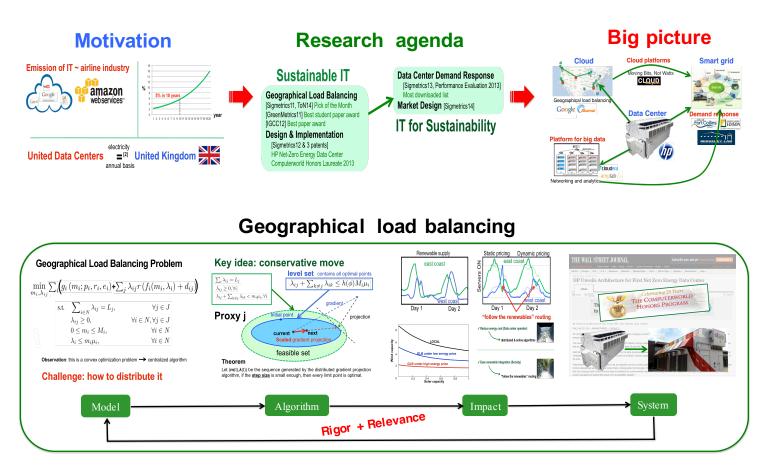
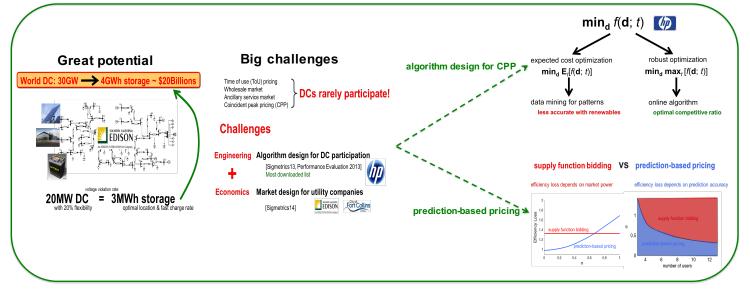
## Enabling Demand Response from Cloud Data Centers -- from Sustainable IT to IT for Sustainability

Zhenhua Liu, Stony Brook University



## Data center demand response



## **Ongoing work**

Quantify the potential economic and environmental benefits of demand response from cloud data Tackle the interdisciplinary challenges of both local control algorithm design and global market design Study the data center ecosystem with attached renewable generation, electric vehicle charging stations, energy storage, etc.