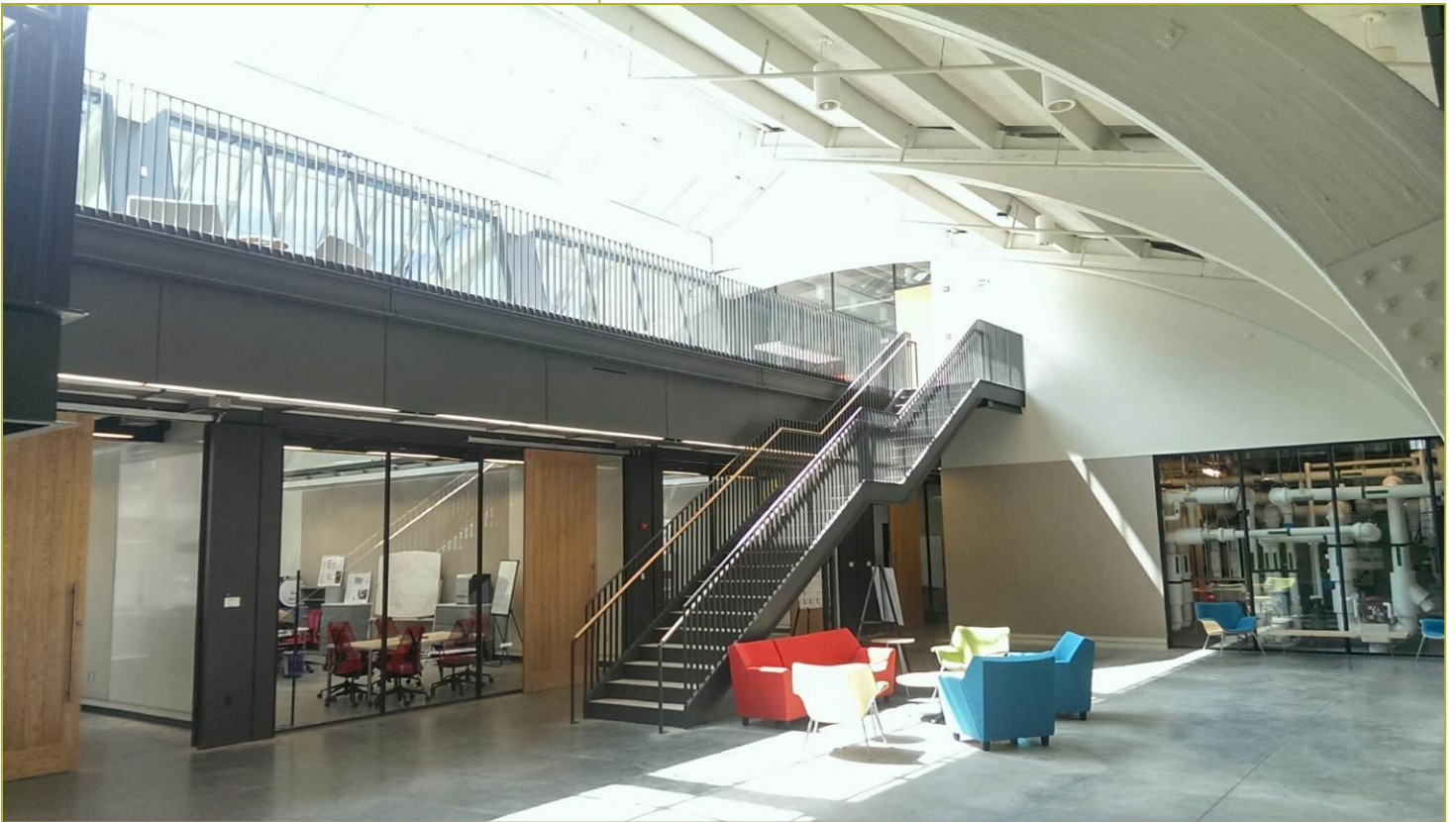


Title: Cost Effective Building Retrofit through Robust Control and Scalable Algorithms

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Report Author(s): (See Report)



CBEI was referred to as the Energy Efficiency Buildings HUB at the time this report was developed.



Report Abstract

CBEI developed and demonstrated a set of tools and approaches for generating and implementing building-specific control algorithms that minimize energy consumption and energy costs while maintaining occupant comfort. The general approach involves the use of model-based predictive control (MPC) with reduced-order models and inverse (data-driven) models for the building envelope, indoor environment, and plant.

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