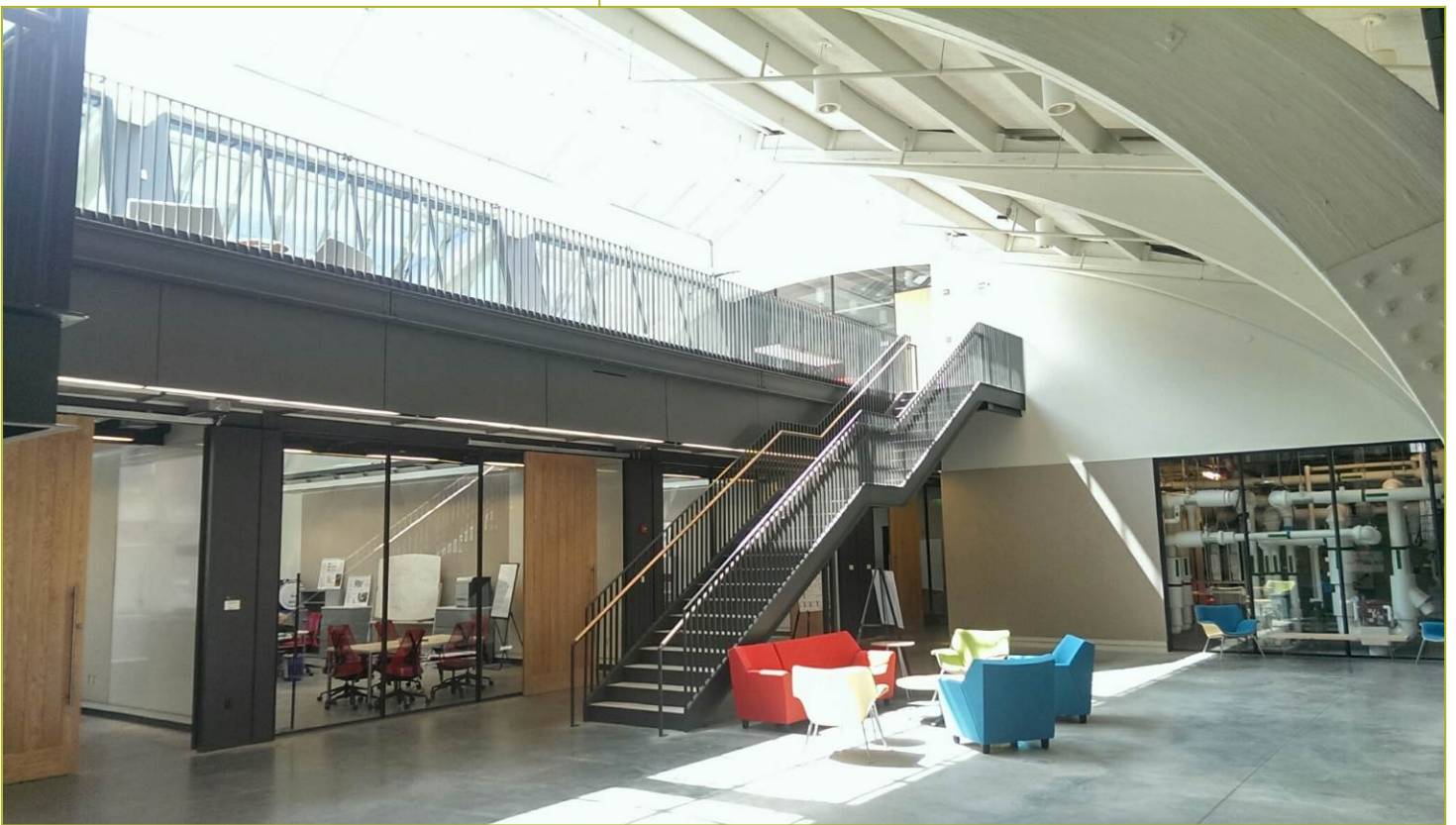


Title: Uncertainty Quantification in Energy Efficient Building Performance Simulations

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



Report Abstract

Whole building energy models do not always provide satisfactory predictions to facilitate decision making during design, due to large number of uncertainties in model input parameters. CBEI presents a computationally efficient process for uncertainty quantification, sensitivity analysis and automated calibration of building models. This is demonstrated using an energy simulation model of a medium sized office building.

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