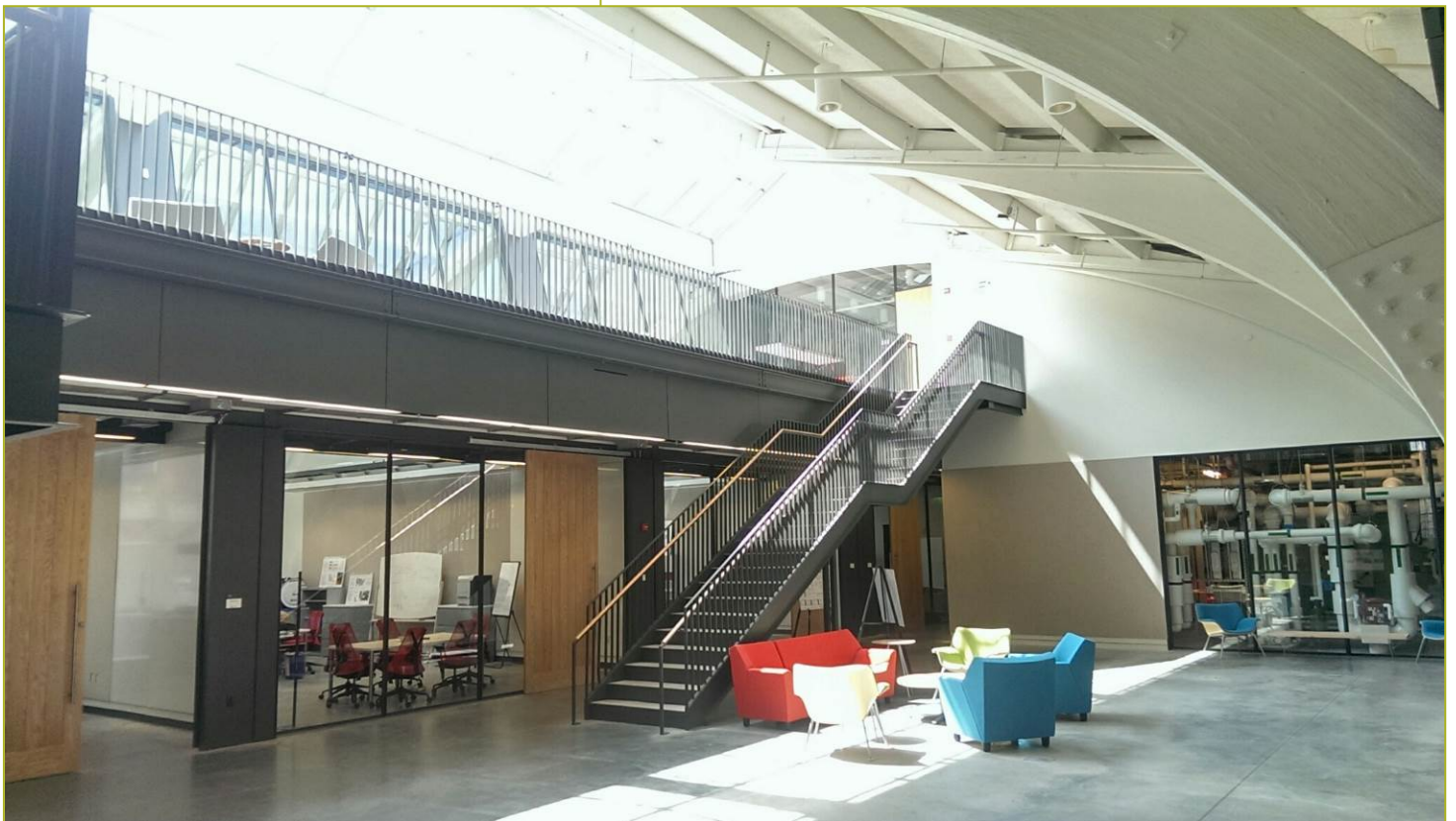


Title: Coupling of Whole-Building Energy Simulation and Multi-Dimensional Numerical Optimization for Minimizing the Life Cycle Costs of Office Buildings

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Report Abstract

The paper presents a detailed study on the influence of building envelope upon the building's life cycle performance and optimizes the design of the building envelope configurations, based on the detailed results obtained from a computational framework in which the whole-building energy simulation program of EnergyPlus v6.0 is coupled with GenOpt v3.0 generic optimization tool.

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