



Roles of Quantified Expressions of Building Performance Assessment in Facility Procurement

AUTHOR(S)

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ABSTRACT:

This paper treats rational expressions of building performance in order to better support dialogues between stakeholders. These expressions are based on the notion of objectively quantifiable performance measures, which are introduced through a set of “performance indicators”. The indicators can be used to quantify expectations and fulfillments in structured dialogues between different stakeholders. The focus of the paper is on the introduction of two types of indicators: (1) based on normative models in biophysics and physiology and (2) based on empiricist models of Environment–Behavior studies. The treatment is positioned to support rational decision making during different stages of building delivery and use. The focus of this paper is specifically on informing decisions during design evolution, and facility and portfolio management phases of a building’s lifecycle.

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