There are no translations available.
Publication year: 2010
Source: Journal of Engineering and Technology Management, In Press, Corrected Proof, Available online 14 July 2010

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The diversity of priorities and differing awareness of sustainable practices among stakeholders in the architecture, engineering and construction industry is critically shaping the adoption of green technology, and the rate at which the industry is shifting towards more sustainable practices. In this paper, we develop an integrated framework that allows reorganization and integration of existing sustainability research in the architecture, engineering, and construction (AEC) industry, emphasizing the perspective of decision-makers and stakeholders. Further, an agent-based model is introduced that allows study of the decision-maker with the decision context, thus making them an integral part of the decision-making process rather than...