

Abstract

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The Injection of Nanotechnology in the Architectural Design Process

Nanotechnology is not usually sought in the early stages of architectural design but is rather used as an end-product in the final design stages. The lack of an efficient integration of nano-enhanced applications throughout the design process inhibits designed artefacts from gaining further performance enhancements. In the context of architectural design practice, this integration requires introducing the design team with nanotechnology design knowledge that addresses the complex state of each of the design stages, especially the concept design stage. This paper presents the findings of an ethnographic study that investigates how nanotechnology design knowledge affects the rationale of architects in practice early on in the design process.