

## **A Pedagogical Study of Computational Design in a Simulated Building Information Modeling-Cloud Environment**

**Authors :** Jaehwan Jung, Sung-Ah Kim

**Abstract :** Building Information Modeling (BIM) provides project stakeholders with various information about property and geometry of entire component as a 3D object-based parametric building model. BIM represents a set of Information and solutions that are expected to improve collaborative work process and quality of the building design. To improve collaboration among project participants, the BIM model should provide the necessary information to remote participants in real time and manage the information in the process. The purpose of this paper is to propose a process model that can apply effective architectural design collaborative work process in architectural design education in BIM-Cloud environment.

**Keywords :** BIM, cloud computing, collaborative design, digital design education

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