

... and Counting

BIM Use

Two-thirds of BIM users have been using BIM for three years or less.

<http://www.bim.construction.com/research/>

2009 BIM Awards

The AIA Technology in Architectural Practice knowledge community's annual awards honor projects that have strategically used Integrated Processes and Interoperable Models. Citation Winners:

Cooper Union for the Advancement of Science and Art
New York, NY

Morphosis

Autodesk Headquarters

Waltham, MA

KlingStubbins

Cellophane House

New York, NY

KieranTimberlake Associates

IP/BIM Academic Studio

University of Wisconsin-Milwaukee

School of Architecture and Urban Planning

Honorable Mentions

Autodesk Customer Briefing Center

San Francisco, CA

Anderson Anderson Architecture & HOK

UC Medical Education Facility

Aurora, CO

Fentress Architects

Cornerstone Art Center

Colorado Springs, CO

Antoine Predock & AndersonMasonDale

Regional Library

Vancouver, WA

Miller Hull Partnership

New England Camp

New Hampshire

Ann Beha Architects

Making Corrections With Design Curricula

University of Wyoming

Montana State

University of Nebraska-Lincoln

www.aia.org

Investments in BIM

Current investments in BIM are most likely to be in BIM software and developing internal collaborative BIM procedures.

Highest to lowest investment

BIM software

Internal procedures

Marketing BIM

BIM training

New hardware

External procedures

Developing 3D libraries

Software interoperability

<http://www.bim.construction.com/research/>

SmartGeometry

The SmartGeometry Group is a non-profit organization started to encourage collaboration between AEC professionals in practice, academia and research who are interested in using computational and parametric approaches to design.

Project Participants Rate Value of BIM

Presentation and visualization of architectural design and spatial coordination are the top areas for project participants.

Highest to lowest value

Presentation and visualization

Spatial coordination

Client engagement

Space planning and utilization

Shop fabrication

Quantity takeoff

Less time documenting

More time designing

Structural analysis

Shop drawings

Cost estimation

Crew and labor planning

4D scheduling

Energy analysis

Submittals

Operations and maintenance

David Meckel, FAIA

Turnover and closeout

Jobsite safety

<http://www.bim.construction.com/research/>

FLUX: Architecture in a Parametric Landscape

This recent exhibition profiled forty projects from around the world that integrate digital practices in the design and fabrication of architecture. The projects were organized into these categories.

Stacked Aggregates

Modular Assemblies

Pixelated Fields

Cellular Clusters

Serial Iterations

Woven Meshes

Material Systems

Emergent Environments

www.cca.edu/about/press/2009/flux

Emerging Body of Knowledge

Number of results when searching for the following terms

In the Avery Index to Architectural Periodicals.

29 - Parametric

35 - IPD

92 - BIM

<http://library.cca.edu/>

Algorithmic Language

Seven terms from the index of Kostas Terzidis's book Algorithmic Architecture that might not be so easy to work into casual conversation.

Amphiboly

Discretization

Heteromorphic

Heuristic

Periplocus

Petaflops

Stochastic

www.architecturalpress.com