

## ***"Was Alberti Wrong? The Separation Between Architectural Design and Construction"***

Monday, April 28th  
12:00 - 1:30  
Room: 4-149

### **Charles M. Eastman**

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#### *Abstract*

Alberti distinguished the intellectual task of design from the handcraft of construction. Today, "design-for-fabrication" and Building Information Modeling suggest benefits in integrating the two kinds of knowledge. I review the assumptions for this distinction and current moves to eliminate it. Some implications of melding design and construction will be reviewed.

#### *Bio*

Chuck Eastman is one of the pioneers of AEC CAD, developing research 3D modeling and early parametric modeling systems starting in the middle 1970s. He recently completed leading the team for the Precast Concrete Software Consortium that developed an industry-wide specification for a BIM system for precast concrete fabrication that led to two commercial products. He is currently advising a similar consortium dealing with BIM tools for reinforced concrete engineering. He is carrying out two projects developing parts of the National BIM Standard, supported by the National Institute of Building Science. One is funded by the Charles Pankow Foundation and overseen by NIBS and FIATECH. The other is supported by the American Institute of Steel Construction. He directs a project funded by GSA to automate design reviews for federal courthouses. This year the focus is on early concept design. In November 2006, he was awarded the BIM 2006 BuildingSmart Open Data Award by the International Alliance for Interoperability.