EVOLVING TOOLS

DIGITAL FABRICATION IN ARCHITECTURAL EDUCATION

EDITED BY ARON TEMKIN

Fabrication
Education Summit White Papers

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Design and Production:
Philip Beesley, Farid Noufaily, Megan Torza

Printing by Coach House Press, Toronto, Ontario

Library and Archives Canada 0-9696665-2-7

Fabrication: Education Summit White Papers
Aron Temkin, Philip Beesley

ISBN 1-897001-04-5

1. Architectural Design
2. Architectural Education
3. Building Construction

I. Aron Temkin;
II. University of Waterloo School of Architecture.

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White Papers from the 2004 AIA/ACADIA
Education Summit of the Fabrication Conference

November 13, 2004
Cambridge, Ontario

The Association for Computer Aided
Design in Architecture (ACADIA)

Hosted by
The University of Waterloo
School of Architecture in Cambridge
and
The University of Toronto Faculty of Architecture,
Landscape, and Design (al&d)

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Evolving Tools, Evolving Ideas: The Place for Digital Fabrication in Architectural Education

Aron Temkin, Education Summit Coordinator

What are the critical issues that emerge from digital fabrication and how do we address them in our teaching?

What should we be teaching to support practice, research, and student growth?

How do we make it happen? Who can we partner with?

Digital fabrication tools provide the opportunity to create new relationships between the designer and the processes of fabrication, new tolerances for precision, new struggles, and even new efficiencies. As these methods become naturalized to the construction industry architectural education has an opportunity to embrace a new set of design possibilities and to engage in a reconsideration of the designer/fabricator relationship.

These white papers and relevant research papers are were compiled to serve as a springpoint for the Education Summit taking place on Saturday, November 13th in conjunction with Fabrication: the 2004 AIA/ACADIA conference. The Summit was conceived to bring together experts from academia, practice and industry to discuss the place for digital fabrication in the architecture schools. The intent of this work is to examine the possibilities, requisite reconsiderations, and issues of implementation involved with the engagement of digital fabrication - both in idea and in practice.

Summit dialog will consider:

- The impact on curriculum related to skill training, studio, history, and theory.
- The opportunity for collaboration between industry and practice as well as potential academic partnerships.
- New possibilities for funded advanced research.
- Details of logistics regarding facilities, staffing, and funding.

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