

## THE NEW STUDIO: CAD AND THE WORKSTATION

### Implications for Architecture Education

Elizabeth Bollinger, Associate Professor  
College of Architecture, University of Houston  
Houston, Texas 77004 USA

#### BACKGROUND

Architecture Program at University of Houston

Computer Aided Design introduced in the College in 1983

Education - Practice

#### COMPUTER PHILOSOPHY

##### Three level Educational Process:

Level One - familiarizing students to computers with introductory courses

Level Two - teaching the applications of computer knowledge to traditional architecture curricula

Level Three - the use of the computer as a resource for educational and research activities within the College

##### Existing Computer Courses in the College of Architecture:

Level One- Introduction to Computer Applications in Architecture  
Computer Programming for Architecture Applications  
Introduction to Computer Aided Design in Architecture

Level Two- Advanced Applications in Computer Aided Design in Architecture  
Architectural CAD/Office Management

Level Three -Research in Computer Aided Design

## **CADD IN THE DESIGN STUDIO**

Graduate Studio - Design Thesis Projects

Exploring the potential of the computer in the design process;

Use of the computer through the conceptual, schematic, and design development processes, as well as the more conventional presentation techniques; and

Successes and failures regarding the integration of the computer into the thesis projects.

## **EXAMPLES OF WORKS FROM OTHER UNIVERSITIES IN USA**

**Order a complete set of  
eCAADe Proceedings (1983 - 2000)  
on CD-Rom!**

**Further information:  
<http://www.ecaade.org>**