

#### **Published Scholarly Work**

Published Text and Reference Books

Journal and Conference paperss

#### **Professional Design Work**

Architecture

Interior

Product design

Graphics, Web, Installation

Painting

#### Studio and Design Communication Teaching

5th Year Thesis Studio

Applied Visual Graphics and Product Design

Digital Animation

4th Year Studio

2nd Year Studio

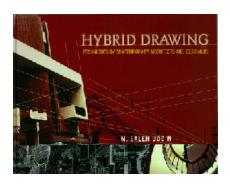
Foundation Summer Workshop

Design Communication

Graduate Teaching in design with Digital Media

#### **Published Scholarly Work**

#### Published Text and Reference Books



#### HYBRID DRAWING Techniques by Contemporary Architects and Designers

Author: M Saleh Uddin Publisher: John Wiley & Sons • March, 1999 • ISBN: 047129745 Hard Cover, 192 Pages (color and B&V)

Hybrid drawings offer limitless possibilities for the fusion and superimposition of ideas, media, and techniques- powerful creative tools for effective and innovative architectural graphic presentation. This unique guide offers a dynamic introduction to these drawings and how they are created, with a stunning color portfolio of presentation-quality examples that give full visual expression to the power and potential of hybrid drawing techniques. This book provides a step-by-step introduction to the creation of hybrid drawings, along with a full portfolio of the best hybrid drawings from dozens of internationally-recognized architects and firms. Each visual example is accompanied by helpful descriptive and analytical commentary explaining how and why it was created.



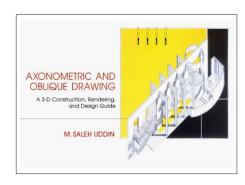


#### Composite Drawing: Techniques for Architectural Design Presentation

(5-star rating by amazon.com internet review)

Author: M. Saleh Uddin Publisher: McGraw-Hill • ISBN: 0070657491 Hardcover • 208 pages • January 1997

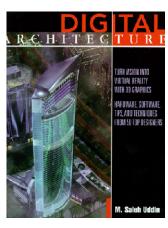
Filled with techniques, this studio companion features an international portfolio of award-winning composite drawings by more than 64 renowned design professionals and academicians including Tadao Ando, Neil Denari, Douglas Darden, Ellerbe Becket, Steven Holl, Frnaklin Israel, Helmut Jahn, Machado and Silvetti, Morphosis, Eric Owen Moss, Polshek and Partners, Scogin Elam Bray, Smith-Miller+Hawkinson, Shin Takamatsu, Tod Williams Billie Tsien, Bernard Tschumi, Riken Yamamoto, Mehrdad Yazdani, and Ken Yeang. Filled with exquisite graphics, including many fourcolor images, and featuring extensive coverage of composition and layout ideas, current reprographic techniques and equipment, nonconventional drawing media and exploratory drawing, this book provides you with all the information and guidance you need to produce composite drawings that are as fine as any being done today!



#### Axonometric and Oblique Drawing: A 3-D Construction, Rendering, and Design Guide

Author: M. Saleh Uddin McGraw-Hill • ISBN: 0070657556 Hardcover • 212 pages • April 1997

Over 400 illustrations demonstrate a guide to the technique of constructing 3D drawings without the use of perspective. Vantage points shown range from a straight-on oblique angle through cut-away, exploded, layered, and transparent perspectives-to "birds-eye" and "worm's-eye" views. Chapters progress from construction of basic paraline drawing through shadow casting, rendering techniques, exploration of point-of-view, axonometric in design analysis, axonometric in design process, layout, composition, reprographic techniques, and fully integrated presentations. The only complete guide to axonometric and oblique drawing ever produced, this ideal studio companion offers not only instruction, but inspiration. In addition to its wealth of practical techniques and useful tips, it also features an international portfolio of award-winning axonometric drawings by renowned design professionals, including works of Takefumi Aida (Japan), Anthony Ames, Tadao Ando, David Baker, R.L. Binder, Ellerbe Becket, Steven Holl, Mark English, Murphy/Jahn, Alexis Pontvik Arkitekt (Sweden), Resolution: 4 Architecture, Shin Takamatsu (Japan), House + House, Ventrui Scott Brown and Associates, and others.



Digital Architecture
Turn Vision into Virtual Reality
with 3D Graphics
Hardware, Software, Tips,
and Techniques from 50 Top
Designers

(5-sar rating by amazon.com internet review)

Author: M Saleh Uddin Publisher: McGraw-Hill May, 1999 • ISBN: 0070648145 Paperback, 212 color pages

Digital Architecture not only presents the best new work from more than 50 top international architects but also explains how the work was created--the concept, the process, the software and hardware, the input and output devices, and the exploration of the media itself. Also provided are concise overviews of digital media (with illustrative examples) for architectural design presentation divided into conceptual studies, dimensional orthographics, 3D modeling and rendering, desktop formats, digital analysis, digital hybrids, and multimedia. Featuring an easy-to-use format, Digital Architecture is an ongoing reference on hybrid digital presentation and an endless source of ideas and inspiration.

All four books are translated and published in Chineese, Spanish, and Korean languagess

## **Published Scholarly Work**

## Editor of Journal and Conference paperss









Chief Editor. DCA Conference Proceedings of 2014, 2016, and 2018 DCA Conference













DCA Biannual Journal. About 10% acceptance rate. Top 10 to 12 papers selected from the conference Proccedings by an editorial board

#### Architecture Unbuilt

**AIA Design Award 2005** 



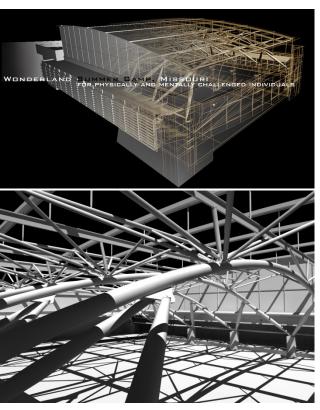
The design scheme is meant to connect, respond, and merge the new facilities with the existing Wonderland site fabric and characteristics. Keeping in mind that it is essential to make the entire site cater to all ages and disabilities the design creates a thin curved wall that wraps all the individual facilities and thus both connects and separates buildings and nature at the same time. A sense of central plaza is accentuated by arranging various functions around this curved wall. This wall enables the campers to relate themselves with the natural setting both inside and outside.

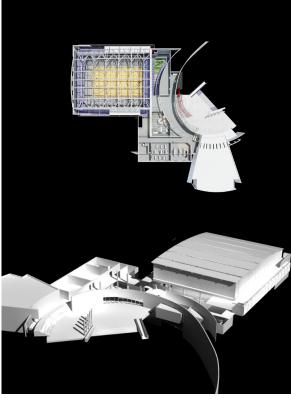
The new design comprises of six primary elements:

Plaza and ampetheatre, Gymnasium, Auditorium, Office, Classrooms and lobby, and Covered swimming pool.

All linked together with a sweeping curved wall as an anchoring architectural element to tie people and make them feel as they belong to one big family under a wonderful year-around structure.

Wonderland Summer Camp for Mentally Challenged Individuals | Missouri, USA AIA Design Award, Missouri, 2005 | Honorable mention





## Architecture Unbuilt

## Wonderland Summer Camp for Mentally Challenged Individuals | Missouri, USA



#### **Architecture**

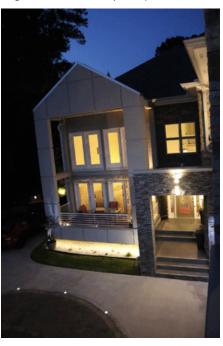
Built

## Own Residence, Marietta, Atlanta, Georgia, USA Design & Construction | Completed in 2016





Addressing the constraints of the linear site, two rectangles reacts with each other by sliding their two linear masses, one containing open volumetric spaces such as living, dining, etc., and the other containing more personal spaces such as bedrooms, kitchen, etc. Taking advantage of the moderate Atlanta climate transitional spaces between interior and exterior spaces create decks and patios both at ground and upper level. Creation of frames out from the house as reflection of main masses helps create threshold of decks and exterior spaces. The house demonstrates that maintaining the architectural guidelines of a traditional neighborhood a modern house can be built without increase of square foot cost. It is a statement of modern living with transitional spaces between the interior and exterior.











#### **Architecture**

**Under Construction** 

### Institute of Architects Bangladesh Design Award

Gulshan Club | Dhaka, Bangladesh | 2011 - On-going Institute of Architects Bangladesh1st Place Design Competition Award (Design Principal, with Form 3 Architects) under construction

With the picturesque panoramic view of surroundings, two urban apertures were designed for view as well as cross ventilation. The east-west urban aperture of 75'X60' and north-south urban aperture of 100'X60' modify the site geography by linking physically the building and visually the elements of the site. The cooling load is reduced by introducing 'Light and Water garden', 'UV Infrared Protective Glass Screen' and glass shade on south.

Gulshan Club Limited shows lightness and fragility in structure while reveals its complexity to both the passing spectators and distant viewers. GCL would become a new symbol of cultural energy for the members and for the city, forming a vector to the future by its emblematic appearance and contents.



18/2011/IAB/Result /OADCGC/14/592

Result of Open Architectural Design Competition for Design of Gulshan Club organized by Gulshan Club in association with Institute of Architects Bangladesh.

It is my pleasure to inform the results of the Open Architectural Design Competition for Design of Gulshan Club, organized by Gulshan Club Ltd. in association with Institute of Architects Bangladesh. The winners are as follows-

Ar. Md. Saleh Uddin & Team

2 Second Prize

Third Prize: JV of Tarique Hasan and Associates Ltd. and Morphosis Developments Ltd.

The prizes were handed over to the winners on 12 February 2011

With regards from your partner in the profession.



Ar. Mannoon Murshed Chowdhury [C-031] Member, Professional Affairs 18<sup>th</sup> Executive Committee Institute of Architects Bangladesh







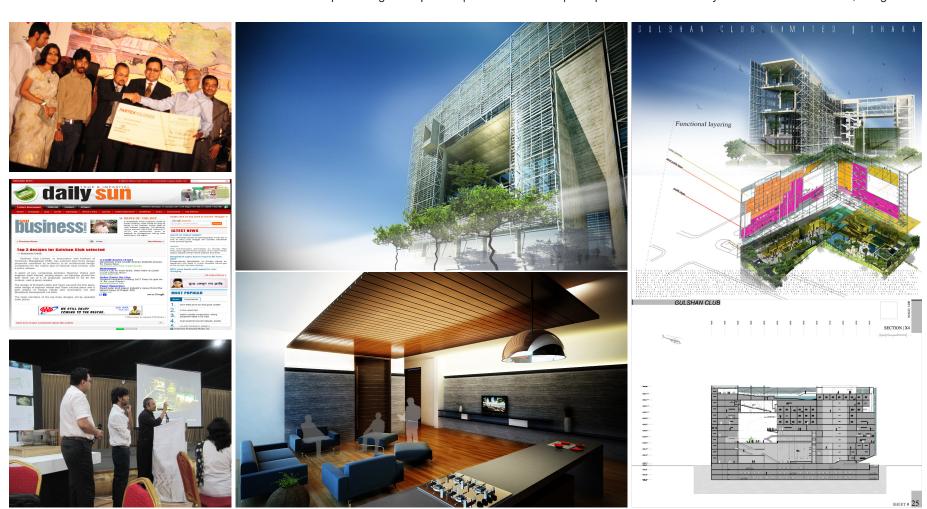
mages of the First Prize winning entry by Ar. Md. Saleh Uddin & Team



## Architecture Under Construction

## Gulshan Club | Dhaka, Bangladesh | 2011 - On-going

Open Design Competition | 1st Place Winner | Competition Coordinated by the Institute of Architects, Bangladesh



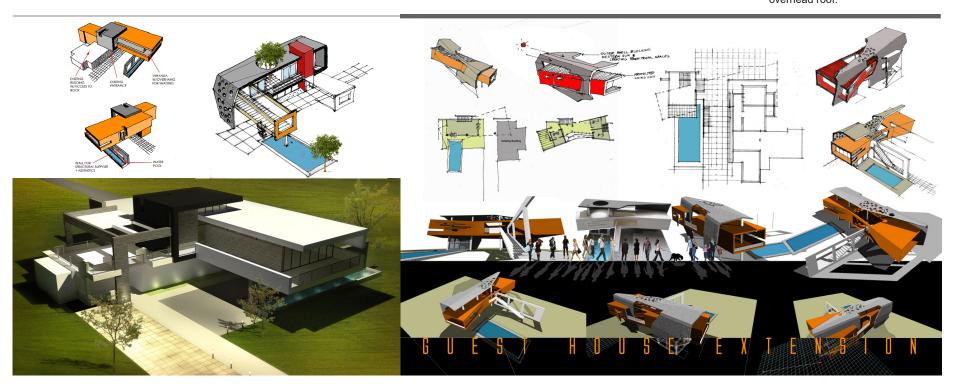
#### **Architecture**

Commissioned

Guest House Extension, Jabbar Jute Mill, Bangladesh | 2014 Two design schemes

Situated on the edge of a river the 2400 sft new extension becomes an apparatus to capture the ever changing scenic views of the river. The building itself becomes a telescope by nestling the main spaces in a tube carefully wrapped by an outer shell to block the western sun.

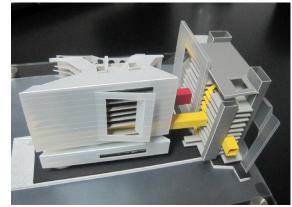
The tube extends to the river to take full advantage of the of the river views. An upper level courtyard is formed in the middle of the tube where guests can gather or relax under changing shadows cast from the overhead roof.



## **Architecture**

Main Structure Built

## 250-Bed General Hospital for Bangladesh Medical Science & Technology Ltd, Dhaka, Bangladesh | On-Going

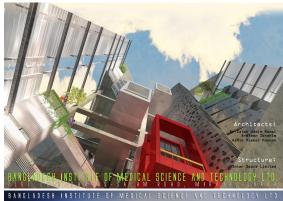


Architecture Design Team: M. Saleh Uddin with Arefeen Ibrahim and Ashik Vaskor Mannan

Structural & Electro-Mechanical: Inter Space Limited

The design concept takes lessons from organizational strategies of human body and schematically diagrams those on functions of hospital facilities.

Total floor area: 452,432 sft
Total Number of Beds: 267 or Less
Hospital Floor Footprint Area Coverage: 16,391 sft per floor
Medical College Floor Footprint Area Coverage: 11,886 sft per floor
Total Area per floor: 28, 277 sft x 13 floors and 3 basements

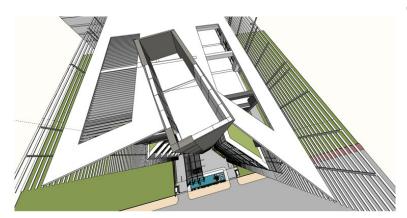






## Architecture Main Structure Built

250-Bed General Hospital for Bangladesh Medical Science & Technology Ltd, Dhaka, Bangladesh | On-Going



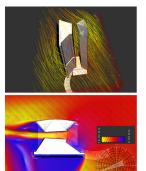


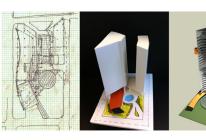






#### Design Competition | Schematics | Green Office Building of Rajuk at Mohakhali, Dhaka, 2015





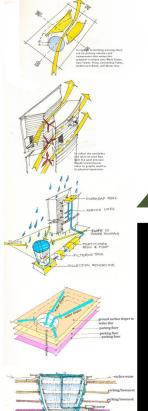


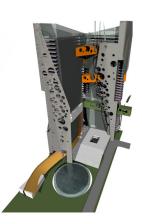


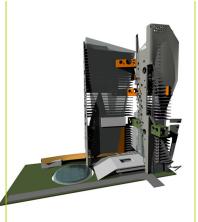




The design for Rajuk Green Office Building is conceptually generated from four specific thrusts of sustainability. 1. Prevailing wind flow for consideration and logical generation of the building form and its orientation. 2. Geothermal energy to complement HVAC systems, in particular cooling load by saving 60% energy cost. 3. Water recycling scheme as a central landscape design feature, creating a large water fountain that becomes the heart of the total recycling scheme. 4. Use of available translucent Photovoltaic panels as an integrated screen system that not only generates solar energy, but, also works as a buffer to reduce heat gain, still allowing views through them.



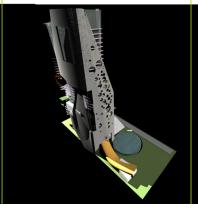


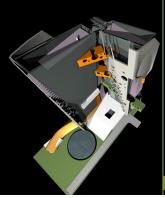








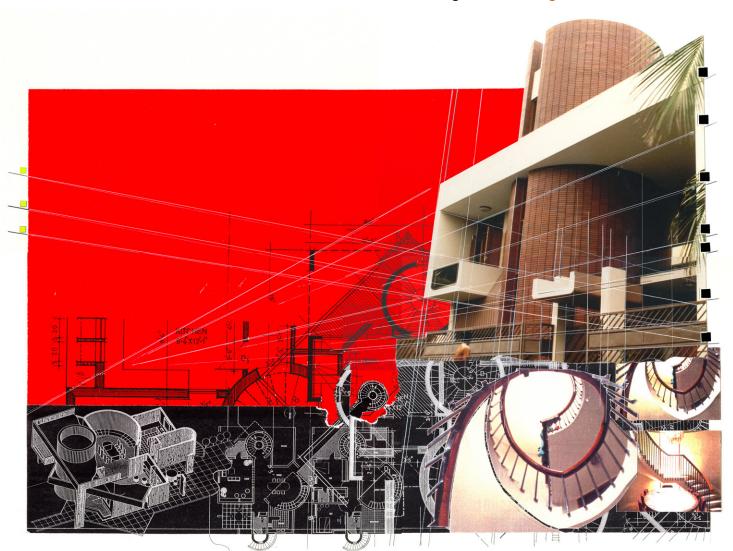






## Architecture Built

Rahman House, Dhaka, Bangladesh, Design and Construction, 1982



## Architecture

Residence in Marietta, Atlanta, Georgia on-going

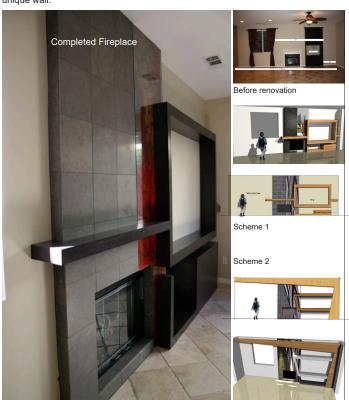


#### Fireplace | Interior, San Diego, California Built, 2011

Jenyn and Pulak are both Electrical Enginners and purchased their first home in San Diego, California with a Living Room Fire Place wall that they did not like from the beginning. They did not want to move in to the house unless they had the wall redesigned.

The primary criteria provided by them was to highlight the Fire Place, and make room for a 52" flat panel TV, and most importantly to hide the large subwoofer of the entertainment center.

The design focussed in to creating three basic elements; a solid Fire Place Wall that wraps the existing Fire Place vertically, a hollow framed shelving system that holds the large-screen Flat Panel TV, and a movable solid-void holder that contains the AV system and hides the subwoofer. All three elements were framed appropriately to hold their respective responsibilities, but also together become an identity of an unique wall.



# Professional Design Work Interior



Department of Architecture American International University-Bangladesh, Dhaka 2006

The new Department of Architecture was housed in two top floors of the existing Engineering School between the years of 2006 and 2008. That was the beginning of the department's new identity. The department clearly marked its impression of a design discipline through its arcticulated interior spaces, studios, display surfaces, computer labs, classrooms and the total environment created through them. Smaller classrooms of the existing facilities were modified to create larger studio spaces and all wall surfaces were wrapped with new layers of materials and graphics. Entry lobby was highlighted with graphics of Modular Man.



#### 6-Storied Apartment, Dhaka, Bangladesh Baridhara Block J, Rd 8, House 9

Baridhara Block J, Rd 8, House 9
Design: Saleh Uddin with Shehreen Saleh. Architecture & Interior
Construction Completed in 2013





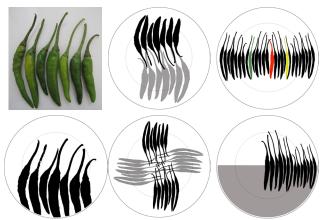
To provide maximum flexibility of space arrangement almost half of the floor (2400 sft per floor) is kept open for semi-public activities, such s living, dining, kitchen and family spaces. With large picture windows the southern facade captures views of the surrounding urbanscape with ample sunlight. The othr half of the floor arranges all bed rooms in one zone to provide maximum privacy to residents.

#### Interior Renovation, Dhaka, Bangladesh Baridhara Rd. 06, Building 06

Baridhara Rd. 06, Building 06 Design: Saleh Uddin with Arefeen Ibrahim. 2400 sft Floor Renovation Construction Completed in 2015



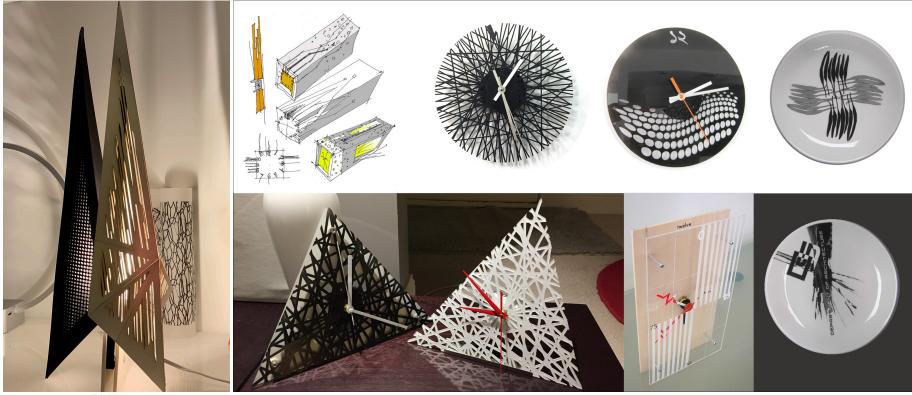
## Product Design, Lamp, Clock, Dinner Plate



Dinner Plate graphics created from photograph of hot green peppers and modifying in Photoshop

Product design created from techniques of graphics, 3D computer model, and photograph, along with laser cutter and CNC Router.

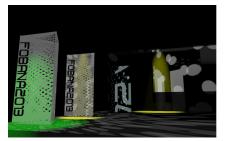
An elective course on understanding of applied graphics, visual grammar and use of technolgy for product design was offered to the department od architecture upper level students.



2019 2006 - 2019

## Installation: Performance Stage and Lobby FOBANA Convention, Atlanta, 2013 and 2018

Community work involving design, 3D computer model, lasercut prototype model, and final full-scale CNC routing in full-scale. Transportation and installation in a 4-hour window and coordination with lighting engineers for performance stage design



Beginning 3D Model and Animation in 3D StudioMax



Laser Cut Prototype Model

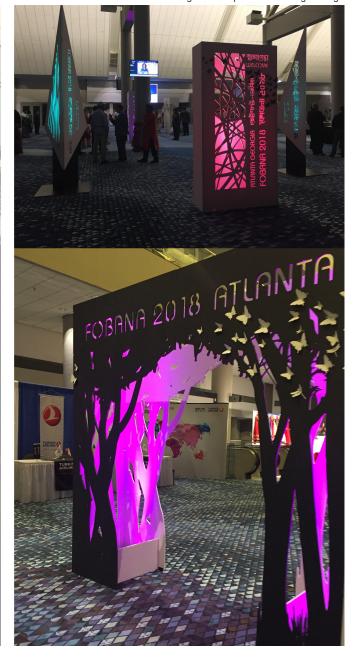


CNC Routing in Full-Scale (each component 8'x4')



Final Assembly for Transportation





## Professional **Design Work** Graphics, Web Design



**B.ARCH PROGRAM** 

**COURSE DESCRIPTION** 

**COURSE BY SEMESTER** 

**FACULTY** 

**FACILITIES** 

**ACTIVITIES** 

ADMISSION

GALLERY

**PUBLICATIONS** 

LINKS

Web site design for the Department of Architecture, American International University-Bangladesh

#### DCA INTERNATIONAL CONFERENCE 2020







CALL FOR ABSTRACTS or SHORT PAPERS

DCA (Design Communication Association) CONFERENCE 2020. Atlanta, Georgia. October 21-24, 2020 Host School: Department of Architecture, Kennesaw State University, Marietta, Atlanta, Georgia

- Design 20/20: Changing Dynamics and Challenges

Web site design for 2020 Design Communication Association Conference, Atlanta



DCA 2018 Conference Full Schedule (souther on Cut 66, 2018)





Contact: sy492@cornell.edu muddin3@kennessw.edu





























Web site design for 2018 Design Communication Association Conference, New York





EVENTS ACTIVITIES .

BOARDS ORGANIZATIONS . POLICIES PROCEDURES .

Web site design for the Department of Architecture, Southern Polytechnic State University, Georgia

