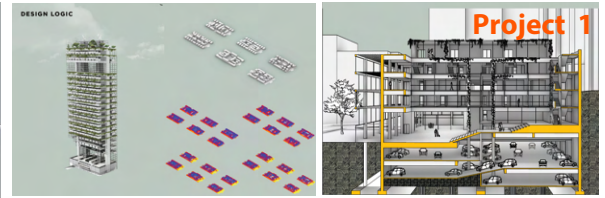


Section (a) Scholarship of Teaching Design Excellence

Exhibit (a1) - Award Winning International Students Competition Projects

Challenge & Outcome - Teaching students design excellence; to become high achieving design minded leaders with holistic thought process, befitting of this age and time for the health and well-being of people . Mitra has had numerous students' award winning competition projects at the local, national and international levels

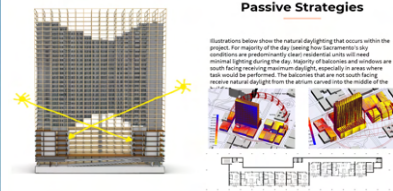
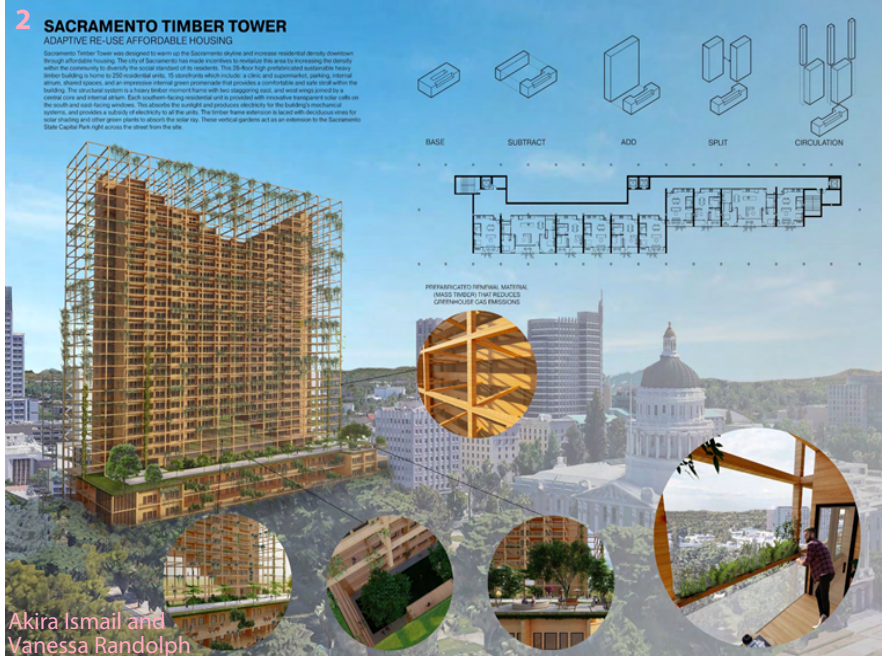
2021 Sky-Hive International Skyscraper Challenge Competition- Three projects among 20 Short-Listed Projects from 2500 Entries



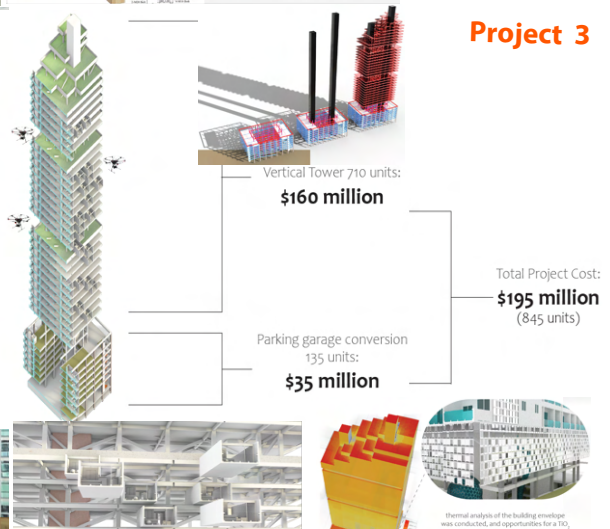
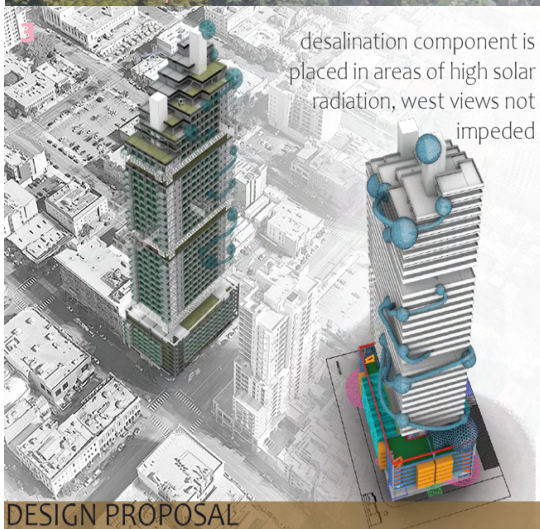
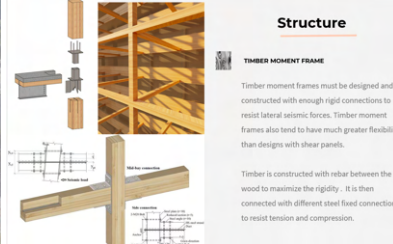
Adaptive re-use of Parking Structures for Affordable Housing: California 's housing afford-ability crisis hits renters and households with the lowest incomes. The high cost of housing is one of the primary drivers of California's high poverty rate (ranked first among the 50 states when adjusted for the cost of living). For the housing costs to be considered affordable, a household's total housing costs should not exceed 30 percent of the household income. Los Angeles county would need to add more than a half-million units of affordable housing—516,946, to be exact—to meet existing demand from low-income renters. This Adaptive re-use for Affordable Housing is in Los Angeles, two blocks away from Disney Hall.

Allison Devlin and Anthony Penna

Project 2



This Integrative Studio Project, was conducted based on the California Governor's initiative for **Adaptive Re-use of Parking Structure for Affordable Housing**. For the purpose of this assignment FOUR major cities of California, including: San Francisco, Sacramento, Los Angeles, and San Diego were selected. Students were also participated in the Sky-Hive Competition, which three were shortlisted



Oscar Del Toro & Josh Nichols

MITRA KANAANI, D.ARCH, MCP, FAIA, ICC, BTE

Section (a) - Scholarship of Teaching & Design Excellence

Exhibit (a 2) - Award Winning International Students Competition Thesis Projects

Challenge & Outcome: Mitra's lifelong commitment and sustained deep passion for teaching Integrative Design and Tectonics has contributed to the development of a new generation of successful design-minded professionals. Teaching students design excellence; to become high achieving design minded leaders. Throughout almost three decades, Mitra has had numerous **award winning students' thesis projects participating in the local, national and international levels competitions.**

2019 Sky-Hive International Performative Skyscraper Competition-2 within 12 short-listed Student Projects among 2500 Entries

Nathaniel Berk Project 1

Design of the tallest performative skyscraper in San Diego, CA

High Profile

BUILDING INTEGRAL CONNECTIONS IN SAN DIEGO

Location: San Diego, CA
Height: 1400 ft
Occupancy: Office tower
Area: +/- 1,487 sq ft

PERFORMANCE:
Sustainability: Tapped the Climate Smart & Star System, Achieve Net Zero Carbon, Green & Core Project @ Climate Center Plus
Structure: Cable Lattice & Tapered Reinforced Concrete tower, at Tower & Core

BUILDING CONNECTIONS:
Spatial Vessel Like Design, Vertical Connect, To Elevator & Core Building, To Retail, To Local Market, To Local Future

Key Phases for Vessel Entry, Integration of Reinforce Tower, Landscaping Tower, Vessel Cladding Material, Reinforce Material Design Material, Evolution of tower in the Global City

Firas Alrakhayes Project 2

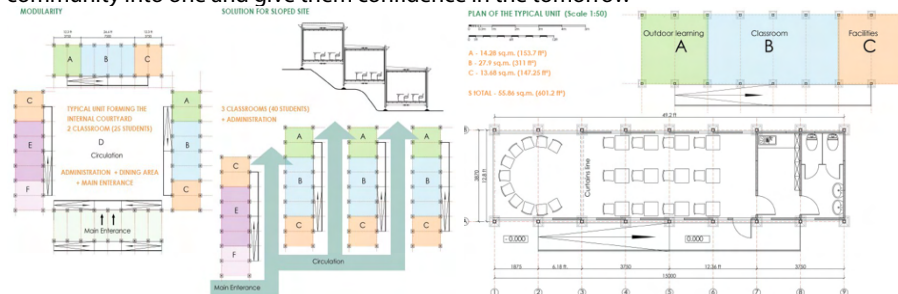
VERTICAL STADIUM
PARADIGM OF AN URBAN REGENERATION WITHIN KUWAIT CITY

Design of a vertical Stadium complex in Kuwait City

Exhibit (a3) Award Winning Student Thesis Project - FINSA International Competition - 2017- Design of a Refugee Camp



Mobile school is a real chance to help children in difficult situations. This is not just a space where children can continue their education. It is an opportunity to re-unite the family and community into one and give them confidence in the tomorrow



Prototype Design for an Emergency and Refugee Shelter /Camp
Student: Maria Strong in
Faculty Advisor/Mentor: Mitra Kanaani, NewSchool of Architecture and Design

Section (a) - Scholarship of Teaching Design Excellence

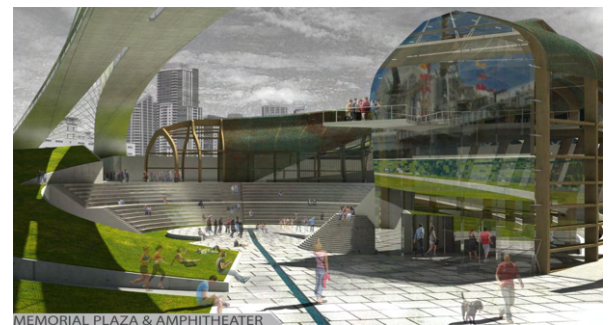
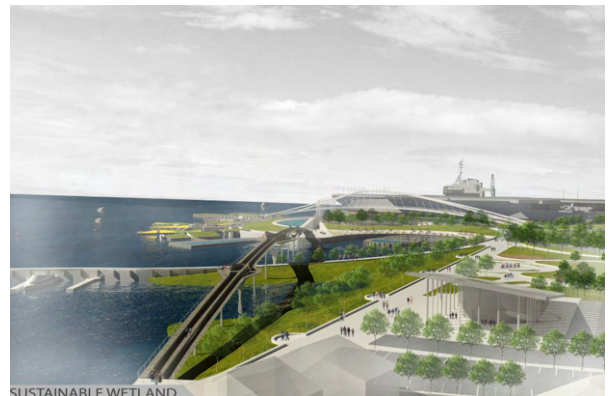
Exhibit (a4) - Award Winning Student Projects; 2015 Award for Best Design Thesis Project of the Year



Best Thesis Graduate Design Project of the Year 2015 - An Urban Design Research Thesis Project for San Diego Embarcadero

“Bridges to the Bay” brings the people of San Diego to their Bay and the Bay to the People of San Diego. The waterfront is held in the public trust; this project honors and enriches that trust by dissolving the barriers that have traditionally separated the City from the Bay.

The Memorial and Museum specially honors the contributions U.S. Navy; the projecting piers and Tuna Harbor acknowledge the historic role of maritime commerce; the wetlands transition shows a sustainable commitment to the future; and the provision of a major public park addresses the shortage of recreation space in the downtown area. “Bridges on the Bay” honors the public trust and in doing so encourages the citizens of San Diego to commemorate their past and celebrate their future.



“Bridges to the Bay - A proposal for San Diego Waterfront Memorial Park”

Student: Tyler Starow

Faculty Advisor/Mentor: Mitra Kanaani, Newschool of Architecture and Design

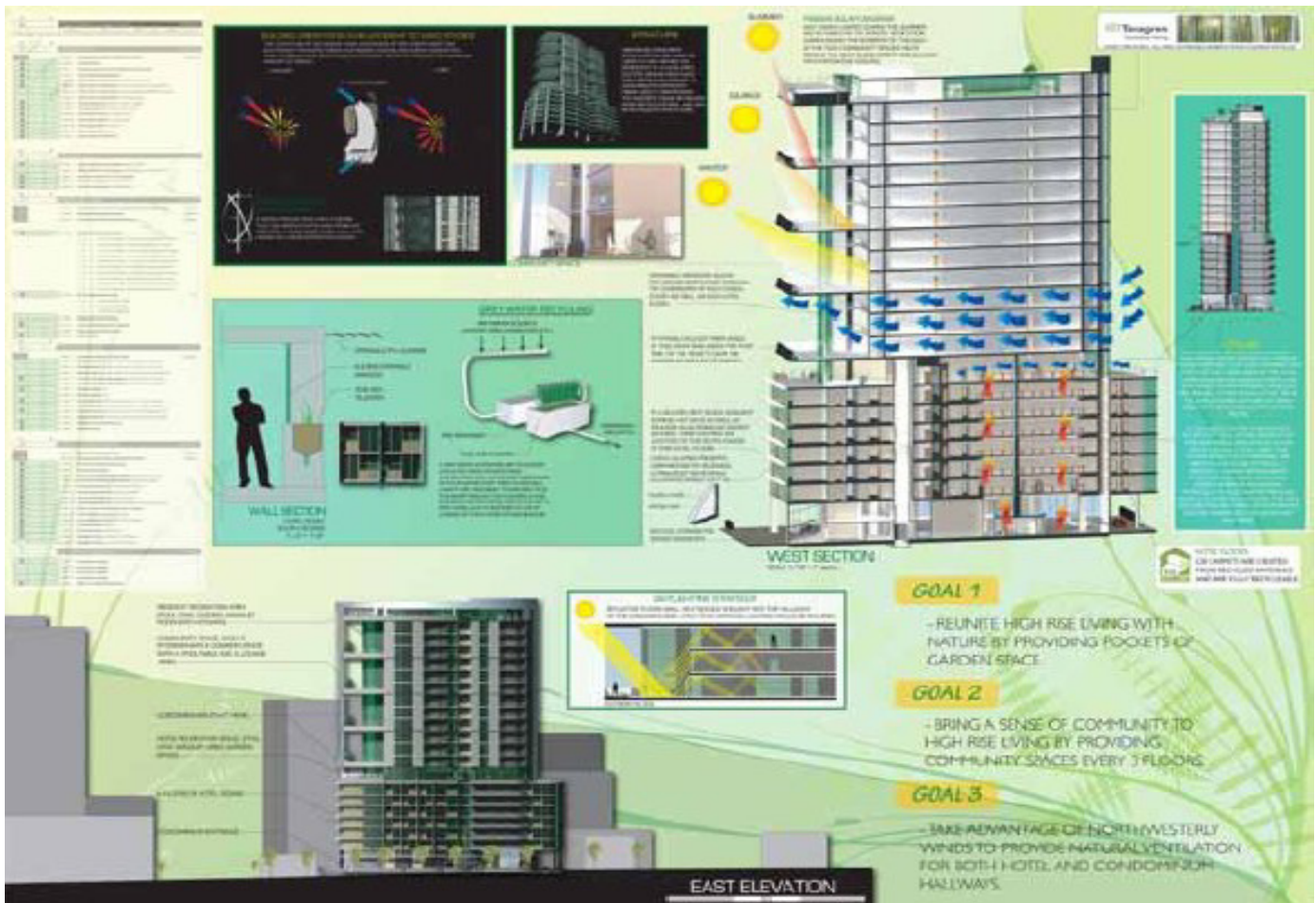
Graduate Research and Thesis Project - Best Thesis Design Project of the Year, 2015



URBAN BEACH & PISCINE

Section (a) - Scholarship of Teaching Design Excellence

Exhibit (a6) - Award Winning Student Projects; 2009 USGBC Competition First Place Award Winner



USGBC Student Competition First Place Award Winning Project of the Year 2009

This project was a national USGBC Competition Design for a mixed-use live/work high-rise project. The students had to learn and execute their understanding of Green Building Strategies that must be included in a LEED Certified Project. The Green Building Strategies included nine measurements for building excellence, from integrative process to indoor environmental quality

2009 USGBC Student Competition
First Place Award Winning Project
Student: Christina Franklin
Faculty Design Professor/Advisor/Mentor:
Mitra Kanaani, Newschool of Architecture and
Design



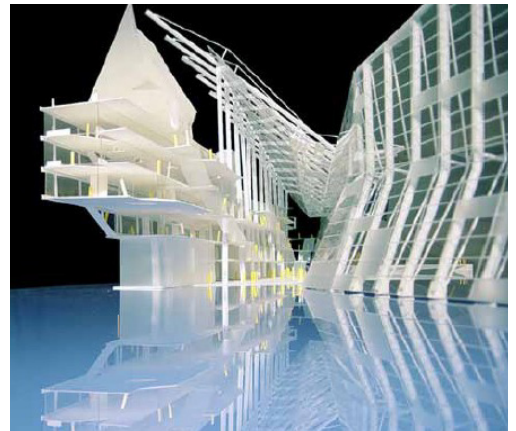
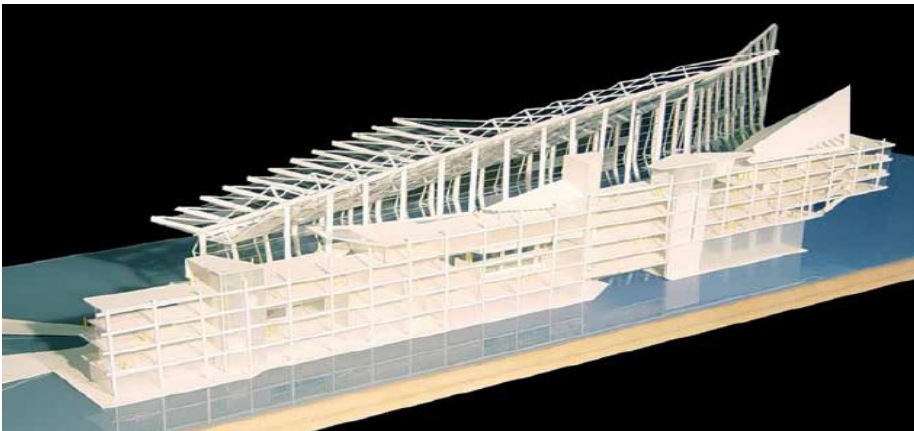
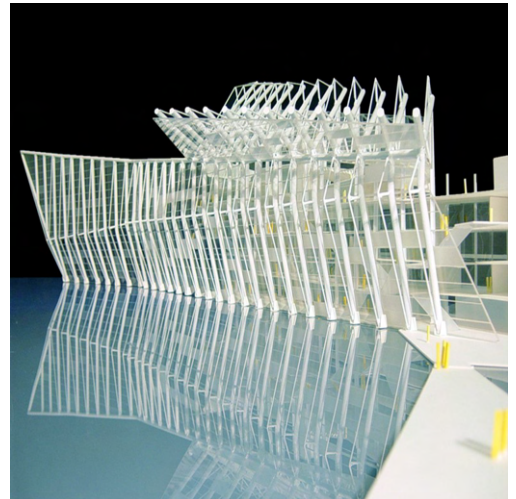
Section (a) - Scholarship of Teaching Design Excellence

Exhibit (a6) - Award Winning Student Projects; 2005 ACSA/Steel Competition Second Place Award Winner

Museum of Light

This project was conceived to celebrate San Diego's regional accomplishment of innovation in the sciences and technological industries. The space created, establishes the primary connection of the science and tech industries and institutions with the general public who are, more often than not, the recipients of the advances made in these fields. Because of this primary role, the space was designed within a structurally articulated form organized as a datum off of which the secondary and tertiary elements of the program were arranged, creating a strong iconic characteristic. The atrium space was delineated with an innovative structural truss system that emphasizes the advancements made in steel structures, glazing systems and long span structural strategies. Electrochromic glazing was proposed and controlled by sophisticated building management system creating protection for the exhibition floor and allowing the atrium space to be left open for variable exhibition displays while taking advantage of the temperate climate of the region and maintaining the physical connection with the natural environment.

ACSA/ Steel Student Competition Second Place Award Wining Project of the Year 2005 - Museum of Light



2005 ACSA/ Steel Institute National Student Competition
Second Prize Winner
First Place Award Winning Project
Students: Nathaniel Hudson, John Sardari & Matt Grover
Faculty Advisor/Mentor: Mitra Kanaani, Newschool of Architecture and Design

Section (a) - Scholarship of Teaching Design - a Holistic and Integrative Design Methodology-- Engaging Students in Real Community Projects: Scholarship of Design Integration and Engagement

Challenge - Teaching design and leadership by engaging Students in real community projects; developing creative and practical experience through working with community stakeholders

Exhibit (a7) - Community Projects - Adaptive Re-use of Parking Structures for Affordable Housing Feasibility Study and Design Prototyping - A project based on the Governor of California initiative assigned by the Office of Planning and Research - 2021

Mitra's Teaching Goals and Ambitions

- Through Professor Mitra Kanaani's efforts teaching a holistic design methodology, and her attempts as a liaison with the community members, students have gained invaluable opportunities working on unique real community projects that have provided them the experience and the insight for their future architectural careers.
- Mitra has provided and arranged inter-and-trans-disciplinary design opportunities for students--bridging between research and Design, and poetics and tectonics.
- Mitra has created a climate of engagement between academia, practice, clients, State regulatory authorities, and community members for real experiences for students.
- Mitra has provided the most unique opportunity for the students to collaborate with State authorities in proposing new zoning regulation along with their in-depth research on the demographics and social performativity of their assigned context.



The Project Goals and the Program

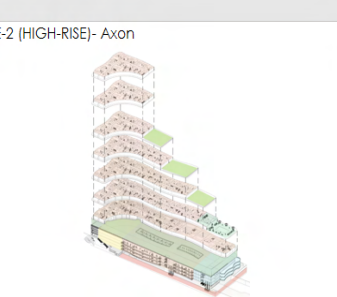
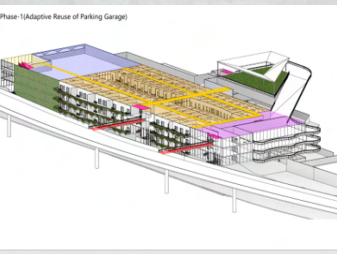
It was fascinating to engage and challenge the students of the integrative studio with such multiplicity of the interactive factors and considerations that were by default accompanying the design of the adaptive reuse of parking structures for the purpose of affordable housing as an opportunity to achieve multiple policy goals. Students were divided into SEVEN two-member-teams, with SEVEN selected parking structures in FOUR major cities of California, including: San Francisco, Sacramento, Los Angeles, and San Diego. Students were given a six-months (including two school terms of Winter and Spring Quarters) duration for the initial feasibility study, data-gathering, zoning regulations, and research of social performativity and condition of their selected context for arriving at selection of their targeted demographical types.

The project was conducted in two phases: Phase one was focusing on the adaptive re-use of the existing parking structures to affordable housing units based on the new laws and regulations developed by the lawmakers toward the development of such initiatives for housing developments.

The entire feasibility study was conducted in the first quarter by each of the SEVEN teams towards developing an initial document including the team's design prototype's standard and proforma for the adaptive re-use of the existing building, and a proposed and developed program for transformation to an affordable housing project based on the team's research.

In the phase two of the prototype design studies of the adaptive reuse of parking structures for affordable housing, the highlight of the design goals was shifted towards "added density," and thus design proposals for highrises, which has been one of the highlights of the state lawmakers and planners proposing new laws in requiring major cities of California to allow residential development on commercially zoned lands.

PHASE 1 - ADAPTIVE REUSE		PHASE 2 - SKYHIVE COMPETITION	
13 WORK/LIVE UNITS 40 SEMI-COMMUNAL 1 CLASSROOM 1 COMPUTER LAB 1 ART THERAPY SPACE 6 OFFICES	CONSTRUCTION COST \$200,685,835 SOFT COST \$70,240,042 TOTAL PROJECT COST \$270,925,878	13 WORK/LIVE UNITS 40 SEMI-COMMUNAL 1 CLASSROOM 1 COMPUTER LAB 1 ART THERAPY SPACE 6 OFFICES 100 ONE BEDROOM 25 TWO BEDROOM 25 STUDIOS 20 LEASABLE SPACES	CONSTRUCTION COST \$132,238,974 SOFT COST \$71,205,601 TOTAL PROJECT COST \$203,444,575
Emily Sauve & Cesar Tran		Project One - San Francisco, CA	



Manjusha S. & Abdallah El-Moulden



Project in San Diego, CA

Section (a) - Scholarship of Teaching Design - a Holistic and Integrative Design Methodology-- Engaging Students in Real Community Projects: Scholarship of Design Integration and Engagement

Challenge - Teaching design and leadership by engaging Students in real community projects; developing creative and practical experience through working with community stakeholders, leaders and clients Exhibit (a8) - Community Projects and Testimonials

Teaching Goals and Ambitions:

- Mitra as a design advisor and a liaison with the UCSD has guided the students in preparation of the laboratory program based on the expectation of the client as a pro bono project, and mentored the students from research and design studies through the development of design solutions toward development of an exceptional opportunity for a real community project.

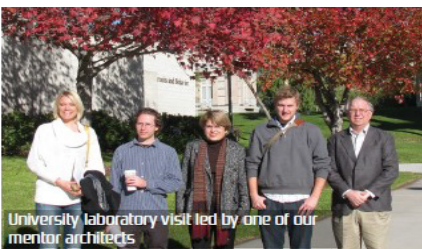


Prototype Design for UCSD Neuroscience Lab

The circulation paths indicated in red point out areas that are often congested in peak lab hours. At its boldest area exists a single corridor, which guides the researcher away from their original workplace. The end nodes represent areas of need to the researcher, which are inefficiently placed at a distance. An ideal laboratory must integrate these spaces into the scientist's workspace to help manage the workflow and increase efficiency.

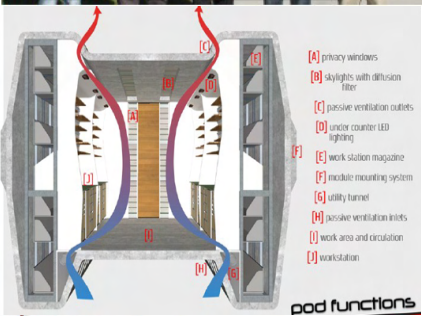


Prototype Design for UCSD Neuroscience Lab - Circulation paths showing congestion in peak hours



University laboratory visit led by one of our mentor architects

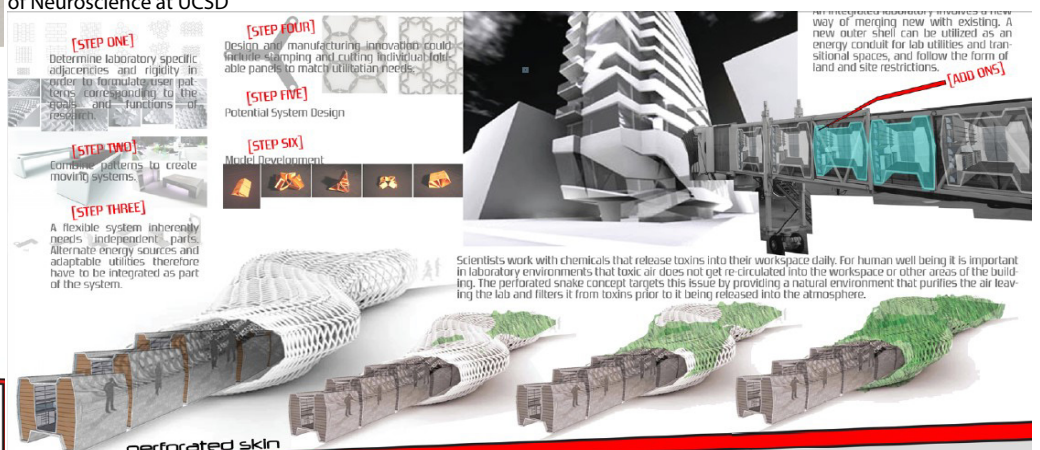
The team of students and Mitra Kanaani as well as UCSD Architect, Mark Rowland participating in the study of Laboratory Design proposal for the School of Neuroscience at UCSD



pod functions



flexibility



What if modularity was redefined to no longer synchronize with the utilitarian object, but rather make the entire function and process a modular experience? Maybe lab design trends should not be focused inward at the scientific task, but outward toward the future process of research. When reaching toward undiscovered programs they too can become part of the system. In theory this would leave the core of the object empty. It is an untouched void where any task can be performed, a stem cell in existence to be neutral. The core is a blank canvas where emerging discoveries in science will bloom, protected by a modular ever-changing network.

January 18, 2014



Changing the Game Biomedical Laboratory Design

Modern biological and medical research has created important new opportunities for understanding the human body and for treating disease. In spite of quite dramatic advances in research methodologies and the concepts applied to solving biomedical problems, very little has changed in the design of laboratories.

With this in mind, students at the Newschool of Architecture and Design under the guidance and leadership of Professor Mitra Kanaani, took on the task of researching and proposing new design solutions for Neuroscience labs. Their planning, data collection, and design effort resulted in what I believe could lead to a major breakthrough in biomedical laboratory design. The spaces they have created feature a brand new way of dynamically accessing work surfaces that should not compromise a researcher's sense of ownership.

The conservation of space is considerable in that the space currently used by one or two individuals can be envisioned to serve as many as 8. Moreover, by separating the desks from the bench, but doing so in such a way as to maintain proximity, they have solved the desk space problem and created a means by which to enhance the interaction of research personnel. Finally, they have engineered what I like to call a transparent snake in their design. By building lab spaces in modular fashion, and linking them to one another through a conduit that gradually rises, it will now be possible to increase the visibility of individuals in different laboratories in unique new ways. One can almost envision a kind of Guggenheim model with laboratories of similar type linked to one another in both horizontal and vertical space. What an idea! With little experience with the biomedical enterprise, the students have done a terrific job whose next steps could truly revolutionize the way we create laboratories.

William C. Mobley, MD, PhD
Chair and Distinguished Professor of Neurosciences
Florence Riford Chair for Alzheimer Disease Research

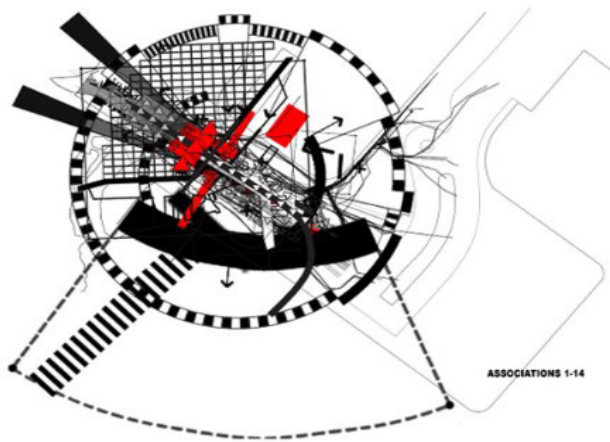
Section (a) - Scholarship of Teaching Design - Engaging Students in Real Community Projects: Scholarship of Integration and Engagement

Exhibit (a9) - Community Projects and Testimonials

“Mitra Kanaani has provided valuable Pro Bono architectural and design support for the purpose of raising funds for two significant projects for the San Diego Symphony Orchestra over the last ten years. The first involved working with her students to design a new pavilion for the Summer Pops. She led the students to first thoroughly evaluate many aspects of the locations, a peninsula of land in San Diego Bay, carefully studying the sight lines to the surrounding community, the location of the sun over the hours of use, window conditions, noise issues, parking and access, and site constraints. She and her students then spent many hours with various members of the symphony examining how best to achieve the needed functionality for the orchestra, for the audience, and for the concessionaires, and to do so within reasonable cost. They then prepared a presentation and model which will be very useful when we raise the funds to proceed. Not only did the symphony benefit but the students had an excellent learning experience in pursuing the entire project through the presentation results.

Irwin Mark Jacobs Founder and former Chairman and CEO, Qualcomm, Chairman of Salk Institute for Biological Studies, former chair and honorary member of the Board of Directors of San Diego Symphony, Dean Emeritus of UCSD Jacobs School of Engineering

CONTEXTUAL MATRIX



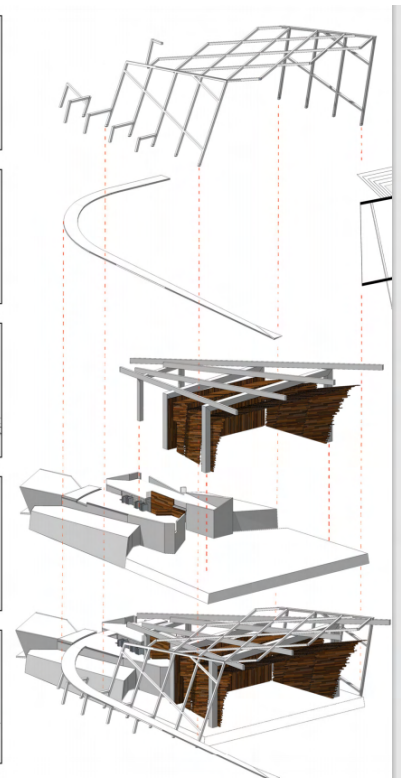
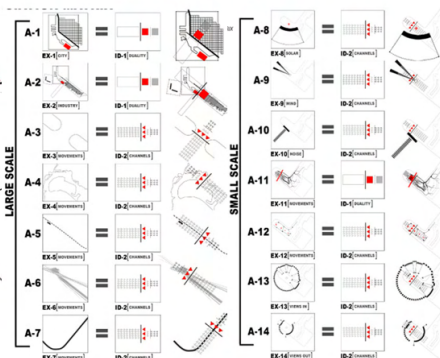
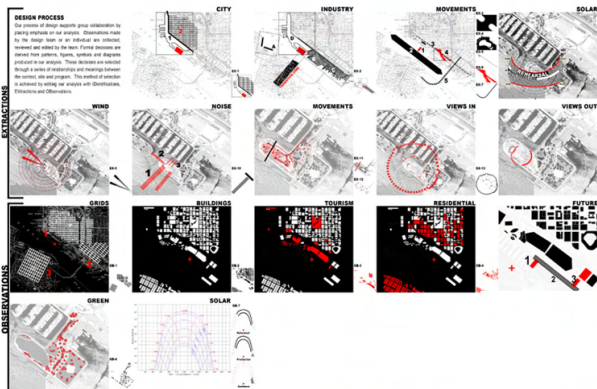
Design proposal is a full emergent of its context, as a parametric design design concept stemming out of the detailed parameters of its contextuality.

Conceptual Design Proposal with choice of materiality, tectonic and placement

The Association Matrix Illustrates association made between individual extractions and identification. Layers of extractions as the result of the analysis of the morphology of the existing contextual fabric is overlaid on the site for initiation of the form.

Observation & Extraction List

Association Matrix



IDENTIFICATIONS
Identify relationships and processes that exist in the given program.

EXTRACTIONS
Extract figures, objects, symbols and diagrams in the analysis that have association with the Identifications made in the program.

OBSERVATIONS
Series of factors brought into analysis that do not have explicit or implicit association with the Identifications made in the program, but serves as important guidelines in the design process.

EMBLEMATIC REFERENCING
Deriving symbolic references from a location, when layers of symbols and relationships that are associated with a location are used to influence the generated design entity that it becomes iconic of its origin.

CONTEXTUAL MATRIX

Section (a) - Scholarship of Teaching Design by Engaging Students in the National Scholarly Endeavors

Exhibit (a10) - Project and Testimonial; Seismic Institute Design Build Workshop in Cal Poly Pomona - Newschool and USC Students in a Design-Build Project based on Seismic Design Considerations.

Challenge - Engaging students in exploration of design Ideas that can be applied to consequential problems and vital issues related to the regional and national initiatives with respect to Seismic Design

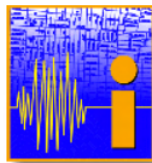
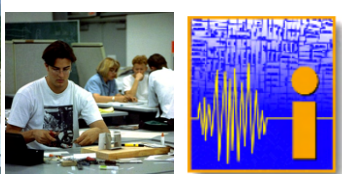
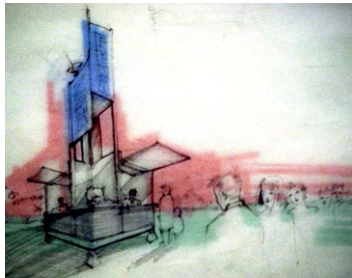
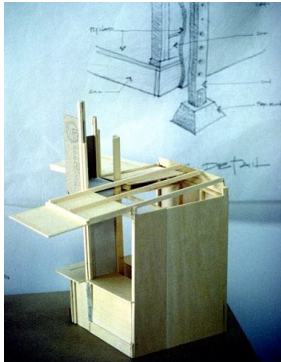
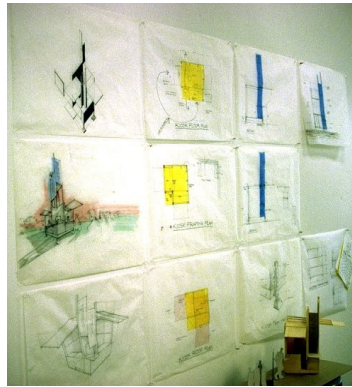
AIA Research Seismic Design/Build Charrette - A student-faculty workshop on seismic design, construction, and urban analysis --- Cal Poly Pomona, June 7-10 1996

The Challenge & the Outcome

- Mitra coordinated and engaged students in a 2.5 days design-build charrette workshop conducted on behalf of the Federal Emergency Management Agency and the American Institute for Architectural Research in Cal Poly Pomona.
- Mitra mentored and advised students in design-build of a prototype kiosk for emergency situation by incorporating seismic design considerations, perusing to Northridge Earthquake.
- Professor Mitra Kanaani, participated in development of a study manual for seismic design titled *Buildings at Risk*.

- The students gained invaluable experience through a design-build two day exercise.
- Students became familiar with the nuances of design, based on expected seismic performance.
- Students learned to collaborate in teams with other universities and share experience, research and design ideas, thus benefited from a peer learning process.
- A climate of engagement between academia, practitioners and scientist was established.
- A curriculum of seismic design for architects was developed through this venture

Participant Faculty from Newschool of Architecture Mitra Kanaani, Students: Davis Wood, Steve Hoard, Armando Huarto, Leopold Vandeneynde



“ On behalf of the Federal Emergency Management Agency and the American Institute for Architectural Research I would like to thank you for attending the *Faculty Institute on Teaching Seismic Design* held February 2-5, 1996 in Berkeley, CA.

The members of the Project Team were particularly Interested to see the faculty presentations which demonstrated how you and your fellow attendees incorporated seismic design - and specifically our “Building at Risk” package - into the curricula at your schools. Though the approaches varied widely, they were uniformly inventive and sophisticated, a real credit to each faculty member and to his or her institution.

Deane Evans, AIA
Vice President, Research 1996 ”

Site Evaluation Activity

Twelve teams, consisting of one faculty or institute resource person and two or more students, were each assigned to a study area about two city blocks in size. Base maps, list of URMs not retrofitted, evaluation forms, cameras and other recording supplies was distributed.

Site Planning Activity: An Earthquake Scenario & Design/Build

A hypothetical seismic event with information about regional transportation and infrastructure breakdowns, as well as the Modified Mercalli intensity was announced Saturday afternoon. Each team were to complete the scenario by identifying likely post-event conditions in their study area. Teams had to prepare a revised base map incorporating scenario information and briefly present the results of their analysis and scenario to the group. The design component of the charrette aimed to link the urban scale exercise of the first day to the level of architectural form and tectonics. The problem was to design an information kiosk for immediate post-disaster deployment by FEMA to provide assistance and guidance to the community. Key design considerations were a strong visual presence, support FEMA's computer-based assistance procedures, be securable, portable, and structurally stable. An additional design constraint was that each team was required to build a full-size structural model of the kiosk on the following day.

Section (a) - Scholarship of Teaching Design Methodology as a Scholarly Enterprise for Teaching a Holistic and Integrative Design Thinking

Exhibit (a11) - Student Projects and Teaching Material: Performative and Tectonic Graduate Level Design Studio Challenge - Teaching design as the highest form of scholarly enterprise and an interplay of research, teaching and learning, as well as a keen eye and care for ecological factors, environment, human health and well-being, and consideration for the future of our already endangered planet. Teaching Poetics of the Design through Tectonics of the Form

Outcomes

- Mitra has created a curriculum of holistic design methodology and research for design as a prescription for a life-long learning experience.
- Her teaching design methodology promotes an interdisciplinary/collaborative approach among designers, scientists, ecologist and sociologists.
- Mitra has developed a solid theoretical and research based curriculum of design teaching, which inherently incorporates sustainability, design performativity, and social engagement, human health, & ethical values.
- Mitra has received multiple awards for her design teaching approach and is very popular for her design teaching approach among students.

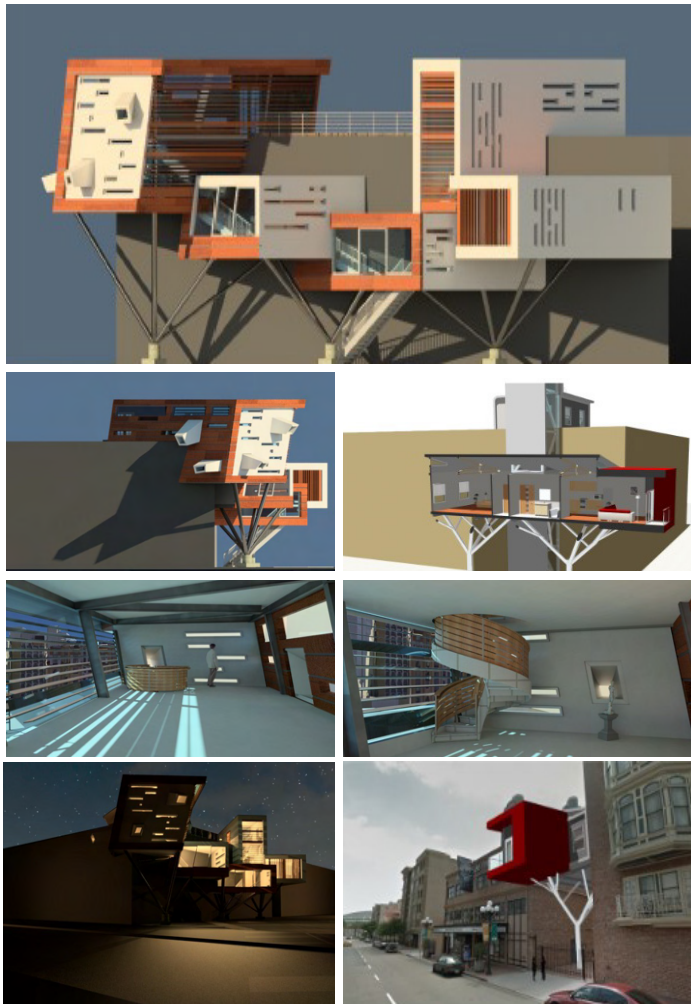
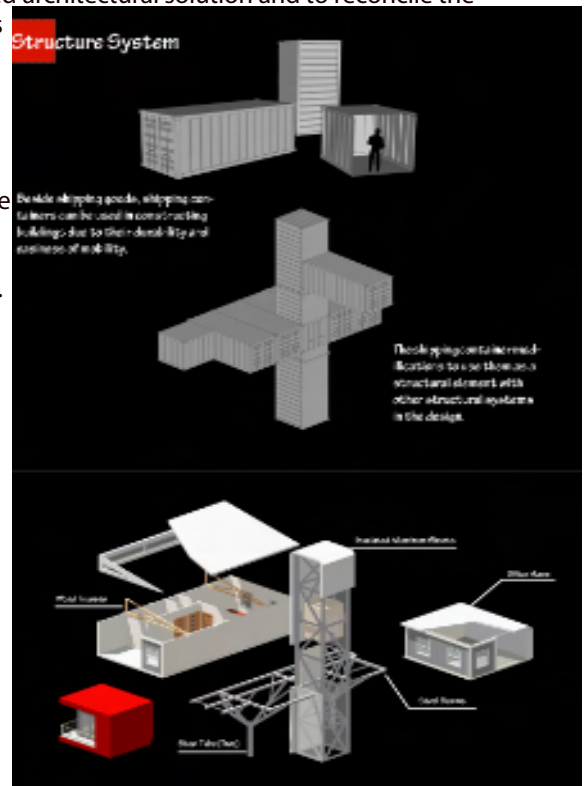
- Mitra has educated and trained a few generations of competent design thinkers and problem solvers and design practitioners for the profession.

Professor Kanaani's philosophy of teaching is with a keen eye on *performative* design thought process. She has considered *performativity* in architecture as a principle and back bone of architectural design thinking. Considering that the meaning of *performativity* is broad and expands from qualitative, meaning immeasurable or qualitative aspects of the design consideration, to measurable, which is quantitative aspects of the design of the building; by the same token, design methodology is a coherent continuum of a thought process that should integratively incorporate all these comprehensive factors of the form-making, which has major impact on its occupants well-being toward a healthy environment for their living.

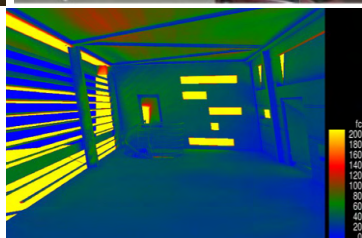
Crafting an Architecture - a Detour from Routine Trajectory

This comprehensive studio is developed for generating the ambition in developing a holistic design mindset by usage of systems criteria and the expected building performance in architectural design and in form-making.

This is a design exercise for design of a Performance-based Prototype: **A Work/Live Prototype as an urban infill**, considered for the Downtown San Diego Gaslamp District. The goal is to synthesize a wide range of variables utilized towards an integrated architectural solution and to reconcile the implications of design decisions across systems by way of performance --based design approaches.



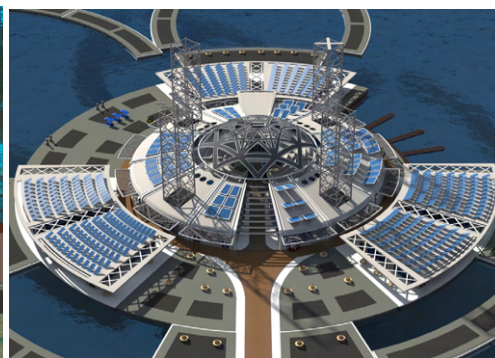
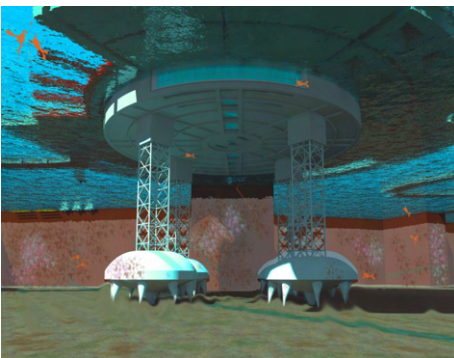
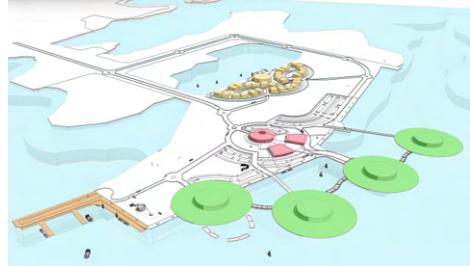
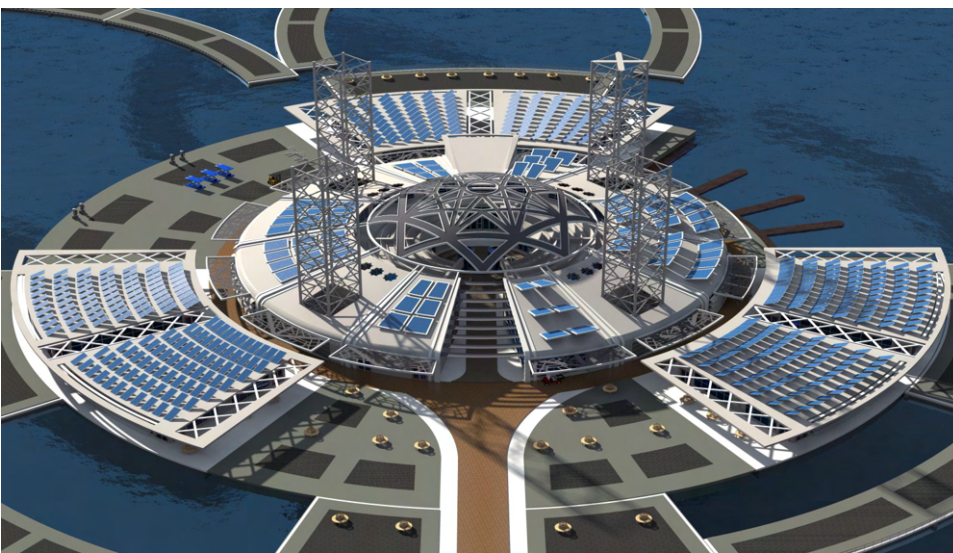
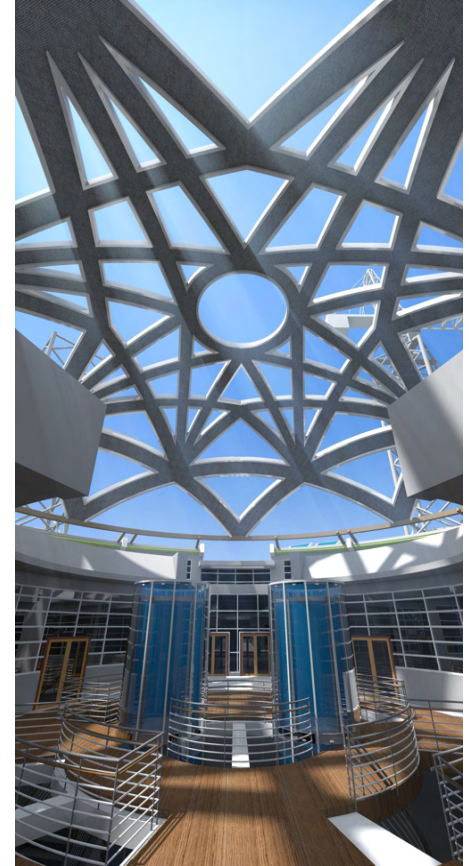
Performative Convergence, as a Parasitic Infill - Performative Architectural Urban Artifacts AR 601/901/501 Architectural Graduate Design Studio Student: Aziz Alwahabi Faculty Advisor/Mentor: Mitra Kanaani,



Section (a) - Teaching Research Method & Exploration in Design Methodology as a Scholarly Enterprise - Attempts for amalgamation of scientific research with architectural design

Exhibit (a12) - Sample of a Student Research Project Graduate Level Thesis Studio: Performative and Tectonic Graduate Studio

“ This thesis was about a research on development of a research park as a center for specialization in water-based building technology with hot climate’s environmental and climatic issues. The institute will provide the ideal environment for marine building testing and innovation. The mostly floating center will include laboratories, workshops, lecture rooms, conference halls, testing grounds, and material storage facilities. The research park will be located on the coast of the Red Sea in King Abdullah Economic City near Jeddah. This location will facilitate ease of access to other research centers, industrial areas, and a variety of marine testing grounds that can simulate a variation of the marine environments in the region. The center itself will be built as a showcase for water-based building technologies. ”



Center for Environmental and Climatic Research, and Marine Technology in Hot Climate
Scholarship of Teaching Design creativity through research & Integrative performance - base design thinking.
Site / Region: Red Sea, Saudi Arabia
Student: Mohammed Khalil
Faculty Advisor/Mentor: Mitra Kanaani, Newschool of Architecture and Design

Section (b) - Scholarship of Discovery and Integration for a Lifelong Learning and Scholarly Endeavors: Increasing the Storehouse of Knowledge within and Across the

Discipline: Scholarship of Research - Thriving to bring new insight to the existing knowledge

Exhibit (b1) - Samples of Some Writings and Publications

Challenge - Enriching the Mission of Architecture through Writing, Publishing and Exploring its Connectedness within and Across Disciplines

Outcome:

- With a firm belief in learning toward becoming a better educator and remaining relevant, Mitra has actively pursued research and scholarship.
- Aside from her published articles about performance-based design methodology and pedagogy of teaching and practicing for empowering more competent younger generation of architects, in this eight years she has been involved in publishing THREE major editorial publications with Routledge / Taylor and Francis Publishers from the Routledge Companion series that are considered themed mini encyclopedias.
- Mitra, through her three Routledge Companion series of editorial publications has engaged over hundred fifty experts, educators, architects, and scientists in scholarly collaborative initiatives.

The Routledge Companion for Architecture Design and Practice: Established and Emerging Trends:

This publication provides an overview of established and emerging trends in architecture practice. Contributions of the latest research from 50 international experts examine external forces applied to the practice and discipline of architecture. Each chapter contains up-to-date and relevant information about selected aspects of architecture, and the changes this information will have on the future of the profession. This publication in its first year of publication in 2016 was obtained by over one-hundred academic libraries and resource centers around the globe, as well as numerous practicing firms.



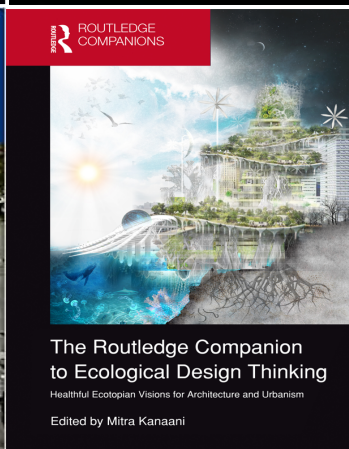
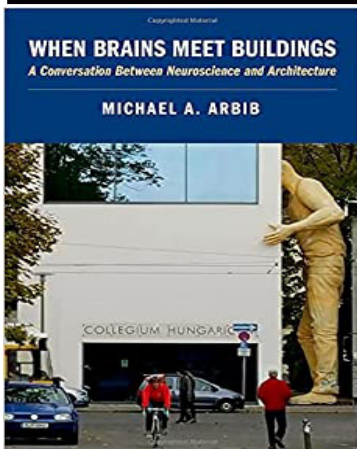
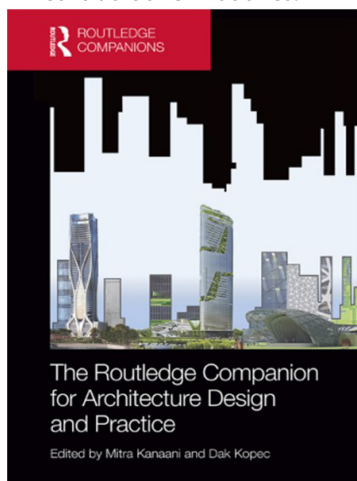
The Routledge Companion to Paradigms of Performativity in Design and Architecture:

Published in 2020, focuses on a non-linear, multilateral, ethical way of design thinking, positioning the design process as a journey. It expands on the multiple facets and paradigms of performative design thinking as an emerging trend in design methodology. This edited collection explores the meaning of performativity by examining its relevance in conjunction with three fundamental principles: firmness, commodity and delight. The scope and broader meaning of performativity, performative architecture and performance-based building design are discussed in terms of how they influence today's design thinking. With contributions from 44 expert practitioners, educators and researchers, this volume engages theory, history, technology and the human aspects of *performative* design thinking and its implications for the future of design.

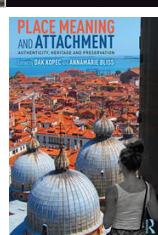
The Routledge Companion to Ecological Design Thinking: Healthful Ecotopian Visions for Architecture & Urbanism

The included essays and manifestos within *five Perspectives or Domains of Ecology* are focusing on inter-and-transdisciplinary architectural design and urbanism topics. Eco-centric conceptual design solutions revolving around ecological issues as the consequences of global climatic manifestations and catastrophes affecting human health and well-being are the ethos of each chapter. These essays argue facts and portray philosophical, scientific and creative *ecotopian* concepts and theories that are aimed to contribute to the viability of sustainable design solutions. The ultimate goal is to raise concerns and promote ideas and novel solutions for resiliency, health and well-being for all living conditions with respect to the continuous transformation in the condition of life on the planet Earth, currently endangered by the consequences of reckless human lifestyle and actions.

The book is currently in process with 68 expert contributors from around the Globe and due for release by December 2021.



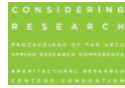
This newly released publication by Neuro-scientist Michael Arbib makes a scholarly conversation between Neuroscience and Architecture. Mitra Kanaani was the architectural consultant and editor for this publication in the process of its evolution.



Mitra Kanaani contributed to the chapter on Implication of Displacement, Loss of Identity, and sense of Belonging. Published in 2020.

Section (b) - Section (b) - Scholarship of Discovery and Integration for a Lifelong Learning and Scholarly Endeavors - Increasing the Storehouse of Knowledge within and Across the Discipline: Scholarship of Research - Thriving to bring new insight to the existing knowledge Exhibit (b2) - Samples of Writings and Publications Challenge - Enriching the Mission of Architecture through Writing, Publishing and Exploring its Connectedness within and Across Disciplines

Design Research in Search of Direction in Architecture Pedagogy & Practice
Published and Presented to:



Architecture Research Center Consortium (ARCC)

Mitra Kanaani, David Kopec

ABSTRACT: This paper examines the question: should the design process as currently taught and practiced in architecture be modified to incorporate scientific research? Scientific inquiry informing design allows architects think broadly and assumes responsibly, for developing building designs that are knowledge-driven. Scientific methodology can be used to ensure that a design is adaptable and integrative within its context as well as perform technically, contribute socially, and remain economically feasible. Does this practice currently exist and if not will architects expose them to greater liability? The general standard in architectural liability is one of "reasonable care." Individuals performing architectural services are performing professional services; the law imposes upon such persons the duty to exercise a reasonable degree of skill and care, as determined by the standard ordinarily employed in the local community. If the community standards evolve, then it follows that the standards for individual architects would evolve. Changes in an architect's standard of care should be carefully considered before any major shift in design practice, but arguably, the use of scientific research, which brings with it the ability of the architect to use measurable outcomes to inform the final design, may possibly be the best defense in the event of a dispute.
 Conference Theme: Learning and Design

Keywords: pedagogy, research, liability, change



LEADERSHIP PROFILE

MITRA KANAANI, AIA

A CONVERSATION WITH THE 2015 AIA CC EDUCATOR OF THE YEAR

Mitra Kanaani, is a professor of Design, Technology and Research, and the former chair of NewSchool of Architecture & Design in San Diego. She holds a Doctorate in Architecture Degree, a Master of Urban Planning, a B.S. in Economics and a B.A. in Musicology. She has served on various national architectural committees and task forces, and is the recipient of various awards, and the 2015 Educator of the Year of the Academy of Emerging Professionals, AEP of the AIA/CC. She is a licensed architect in California, and a certified accessibility consultant with ICC.



At the time of this writing, the result of a three-year effort with my colleague and co-editor, DAK Kopec, culminated with the release of *The Routledge Companion to Architectural Design & Practice: Established & Emerging Trends*. It pays homage to *Building Community, A New Future for Architecture Education and Practice*, otherwise known as the Boyer Report, authored by Dr. Ernest Boyer and Lee Mitgang, and released in 1995. This report became my source of inspiration and the central stimulus since my first round of study almost twenty years ago. At the time of its publication, the Boyer Report received extraordinary validation based on its candid manifestation and analyses of the relevant current and future issues of architecture education and practice—particularly in the open debate over the disconnect between the academy and practice. However, it did not engage the architecture community as was hoped. The momentum was subsequently lost, and the report was ultimately put on the shelf.

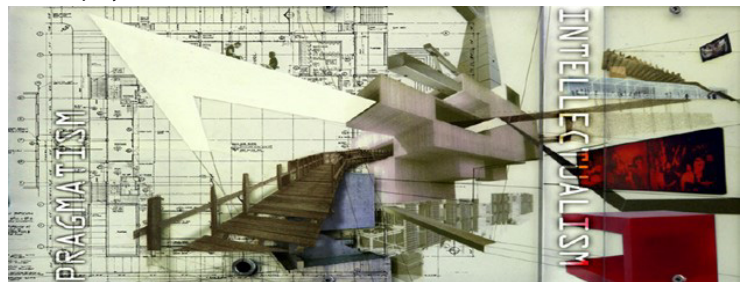
Op Arch II—JAE

MITRA KANAANI

Journal of Architectural Education, pp. 143–144 - 2010 ACSA

Paradoxes of Architecture in the Age of Bewilderment: The Ironies of a Professional Ethos

Change is the buzzword of this era. More than ever, the natural phenomenon of change is omnipresent, forceful, and rapid. The physical and psychological effects are tremendous; they can naturally create delusion, confusion, and even apprehension. Amid the swift currents of global transformations, what will be the direction of architecture as a social field, the noble purpose of which transcends beyond mere buildings? Although architecture is as old as humankind, its cultural and social emplacements are rapidly shifting. Architecture as a form of licensed practice has a much briefer lineage, largely dependent on market values, economic and political tides. Because it bridges the arts and sciences, architectural practice has adopted concepts and techniques from myriad fields such as the fine arts, engineering, and social and natural sciences. An architect's unique talents and skills can revive communities. Once the "team leader" and "orchestrator" today architects more typically, assume the role of "team player."



**Performative architecture
 as a Way for our Future Design Thinking**

Cartouche

A NewSchool of Architecture + Design Magazine

A way to predating use in design, and a way beyond static permanence in architecture Throughout the past four decades, citizens of the planet earth, who have experienced recurring natural catastrophes, are living in constant anticipation of major environmental crises.

Regardless of the current global economic, political and social issues of the world, the interaction between the man-made and the natural environment is a major cause for concern. It would not be an overstatement to indicate that we have done a disservice to ourselves by creating modern built environments that have isolated and alienated us from the natural world. On one hand, our modern buildings are not only the major consumers of energy from non-renewable resources, but also the main source of pollution and other adverse impacts on the natural environment. Furthermore, most of our buildings, are still built with absolute disregard for ecological harmony and in many cases, cause for physical, behavioral, social and even cultural problems. Nowadays, the word sustainability is used and promulgated in every aspect of our lives. However, its application from the usage of shopping bags to LEED certification, and other environmental precaution, is often limited to actions by motivated individuals and by the sporadic mandates of various political entities and businesses. By the same token, the world of architecture and construction is moving in a disharmonious way toward Eco tech.....

Section (c) - Scholarship of Application, Service and Engagement, and the Pursuit of Service by Volunteering and Activism, transcending beyond academic duties ---

Humanitarian Services, Activism and International Teaching: Using Architecture Education as a Humanitarian Tool

Exhibit (c1) - Founding The BIHE Architecture Program

Challenge - Established and assisted the growth of the BIHE architecture for humanitarian purposes; to teach architecture to underprivileged and deprived international students

“ Everyone has the right to education. It shall promote understanding, tolerance and friendship among all nations, racial or religious groups.

Universal Declaration of Human Rights, Article 26 ”

Origin of the Initiative- 2005 - Present:

- Mitra has been a co-founder of the BIHE architecture program and a volunteer Global Associate Faculty for this institute, mainly developed for humanitarian reasons for a group of underprivileged young individuals from higher education who have been deprived from this legitimate human right based on their religious and personal beliefs.
- She has had major contributions in the development of the BIHE architecture program, and its goals and mission, as well as departmental rules and policies.
- She has provided teaching materials and resources such as textbooks and digital means from across the world.
- She has been an authorized liaison to the UIA UNESCO Education Committee for the recognition of the BIHE Architecture, and have provided reports on behalf of the Institute to help with its validation.
- She has taught design and research and tectonics to the BIHE students, through on-line resources for almost two decades.
- Mitra has been an activist in “Education Under Fire”, and “Education is not a Crime” movement, participating on panels and lectures raising awareness about the status of those minorities who are deprived of their legitimate human right for higher education in their homeland.

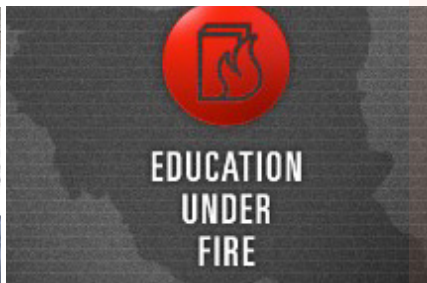
Outcome:

- Through her unique leadership role, mentorship, teaching, and guidance, there are currently a number of thriving architecture students who have found their way and graduated from various prominent universities such as Yale, Berkeley, UCLA, Harvard and University of Pennsylvania, as well as AA in London for their advance degree of architecture. They are currently working on most prestigious firms in the U.S., Canada, and Europe.
- She has made major contributions to the lives of many young students whom otherwise were deprived from educational opportunities and personal advancement and growth.
- Mitra has defied societal discrimination in Iran’s patriarchal society, and fanatic regime, while touching upon the core aspects of cultural issues through her architectural design methodology.

“ Mitra, as an academician has used architecture as a humanitarian tool. Through care, empathy and activism, she has transcended its meaning beyond building buildings, and mainly toward serving and strengthening peoples and communities. Through her relentless services, the architecture program has contributed to cultural diversity, understanding of otherness, tolerance, and respect for cultural expressions amongst our future designers and architects. Mitra, leading by example, has been able to become a turning factor by making positive contributions to the lives of certain underprivileged and deprived individuals in a region, currently in turmoil. Through her unconditional support, they now have a foreseeable bright future toward becoming future architects, designers, and builders of the next generation of professionals in the field of architecture. Cordially,

Dr. Behrooz Sabet

The Baha’i Institute for Higher Education Office of Research
Research.office@bihe.org ”



Poster Credit: Education Under Fire and Education is Not A Crime Task Forces



Participating in a panel on Education Under Fire at UCSD in 2013

Section (c) - Scholarship of Application, Service and Engagement: Pursuit of Service by Volunteering and Activism, transcending beyond academic duties ---

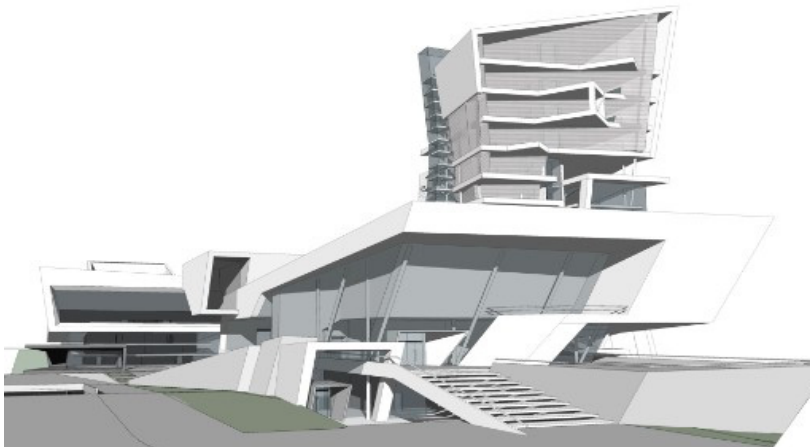
Humanitarian Services, Activism and International Teaching: Using Architecture Education as a Humanitarian Tool

Exhibit (c2) - The BIHE Architecture Program Student Thesis Projects and Testimonials



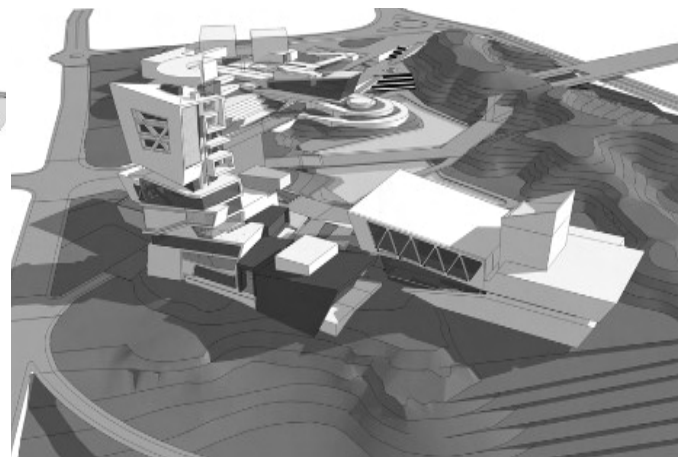
Pegah Roushan Thesis Project : A Battered Women Haven in North of Iran

The main purpose of designing “Haven for Women’s Progress and Well-being” was to create an educational climate for battered women and to promote the concept of equality of men and women through design goals. *Pegah Roushan*, graduated in 2013 from the BIHE, and received a Masters Degree from UCLA in 2016.



“Mitra was my thesis advisor. *She* patiently taught me design of a very complex thesis project about a Multi-Purpose Center for Creative Arts from across thousands of miles.....*She* undoubtedly made a huge positive impact in my life by assisting me with my future career goals.....which was otherwise impossible.

Mona Shoghi, BIHE Graduate



Thesis Project: Mona Shoghi, BIHE Graduate Multi-purpose Center for Creative Arts and Design.

Location: North-East of Tehran Thesis and

Design Advisor: Professor Kanaani

“

Dr. Kanaani's mentorship guided me to design a center named “Haven for Women’s Progress & Wellbeing” for my thesis project. Getting design instructions from far away was challenging and not an easy task, but it happened with sacrifices of Dr. Kanaani. Considering our time differences, she devoted her time on Skype with me at various times of the day, sometimes very late nights and early mornings. She was eager to help and mentored me at every step of the way to design a successful project. Her mentorship blossomed my inner creativity and could help me develop innovative architectural design ideas. This was a fascinating design journey, which I explored with Mitra's guidance across the miles and under the most intense and dangerous climate for education. Without Mitra's supports I could not have been accepted to University of Pennsylvania and UCLA for graduate programs, which I chose UCLA to advance my education and the opportunity to work with Gregg Lynn.

**Pegah Rowshan
BIHE Graduate**

”

Section (c) - Scholarship of Application, Service and Engagement: Pursuit of Service by Volunteering and Activism, transcending beyond academic duties ---

Humanitarian Services, Activism and International Teaching: Using Architecture Education as a Humanitarian Tool

Exhibit (c3) - The BIHE Architecture Program Student Thesis Projects and Testimonials (cont.)



A Dream of Justice

A need for a cultural center that would educate the public about the concept of human rights is the main inspiration for designing this human rights cultural center, located in Tehran, Iran.

The concept of the design was inspired by the passage: *"The tabernacle of unity hath been raised, regard ye not one another as strangers. Ye are the fruits of one tree and the leaves of one branch...."* (Baha'i Gleanings) and in conjunction with the UNESCO -UIA Charter of Human Rights.

Images of the proposed Center for Human Rights Studies, Nasim Rowshan, BIHE thesis Project; Selected Site: Tehran.



66

I graduated from the Yale School of Architecture, with a Masters degree and in high standing with an award in 2017. However, I obtained my undergraduate degree at the Baha'i Institute for Higher Education (BIHE), where professor Kanaani was my mentor and thesis advisor. As an architecture student at the BIHE, I was fortunate to have found the opportunity to work with Mitra.

I became familiar with Dr. Kanaani through her long distance involvement in the development of the mission of the program, the layout of the educational curriculum, and the department's instructional policies and procedures. Upon embarking on my research for the thesis project, Mitra became my advising professor and mentor.

Professor Kanaani exemplifies a truly devoted educator; her professionalism significantly contributed to my subsequent development as an architecture student at Yale. Studying at the BIHE was very difficult. However the support I received from professor Kanaani and her dedication to her students from across the miles made a huge difference. Not only she was an excellent teacher, but also she was a role model. She inspired and helped us to continue our studies at the highest level. Her guidance was vital in my admission to the Yale School of Architecture. Mitra is one of the most deserving for such prestigious recognition for her many contributions to the architecture profession and academia, and as a dedicated architecture educator with long lasting legacy across the world.

Nasim Rowshanabadi 99

Nasim Rowshan, subsequent to her graduation with honor from Yale, was hired by Grimshaw Architects in New York and is recently employed by Gensler Architects in Washington DC.

Section (c) - Scholarship of Application, Service and Engagement: Pursuit of Service, National Leadership Roles, and Volunteerism

Exhibit (c4) - National Leadership Roles and Service Testimonials

Challenge - Fostering a sense of connectedness and sustained relevance between academy and the architecture profession

Roles & Actions:

Mitra has served as a conduit between the practice and academic communities through assuming leadership roles and volunteering for services with various architectural collaterals:

- Throughout the past two decades and half, Mitra has co-chaired and planned an ACSA conference focusing on the topic of *bridging the gap between Education and Practice (in 2002)*. She also has served on various committees and task forces, moderated paper sessions, and has served a term on the board of directors as the secretary of the board who was instrumental in updating the ACSA Bye-Laws.
- Mitra, has served on AIA Education Committee, participating in development of the AIAU for CEU's and reviewed hundreds of continuing education proposals.
- Mitra, has served on NCARB Education Committee, involved in development of standards for continuing education program, Integrated Path to Architectural Licensure (IPAL) program, as well as NCARB Practice Analysis and NCARB Standard reviews and revalidations.
- With the NAAB as an EESA Evaluator for 15 years, Mitra, has been involved in over 6000 reviews and evaluations of foreign transcripts for reciprocity for applicants in pursuit of the U.S. Architectural Licensure.
- Mitra, has spearheaded IPAL program at the institutional, state and national levels. In conjunction with IPAL Mitra developed a very structure collaboration with a pool of 30 firms on their active role in the program and in providing shadowing opportunities prior to internship for the IPAL students.
- Mitra as a *NAAB Team Chair* and *Team Member* in 11 visits has reviewed a multitude of architectural programs in the U.S. and abroad.

Outcome:

- Mitra has contributed to a more connected architecture between academy and practice. She is currently appointed by the Governor of California to serve on the State Board as the only educator of the team
- Mitra has paved the path for thousands of foreign and national architecture interns in becoming licensed architects.
- Mitra has promoted life-long learning for architects through her contributions to the continuing education through AIA and NCARB, aside from her method of teaching that promotes that among her students.



Presenting Newschool's Integrated Path to Licensure Program to a group consisted of the school's Licensing Advisors at the 2016 NCARB Educational Summit in Chicago — Photos Credit to NCARB



Mitra has arranged and conducted multiple Summit meetings inviting a large number of firms' principals, and practitioners, students and faculty, as well as key figure State authorities, and AIA local and NCARB for opening up meaningful dialogues in establishing reciprocity and collaboration for the education of future architects

ACSA Secretary Of the Board of Directors

Dear Professor Kanaani,
The Association of Collegiate Schools of Architecture would like to thank you for being on the ACSA Board of Directors.
We appreciate your commitment of time and hope that your experience was truly fulfilling.
On behalf of the board and Staff at ACSA, please accept our gratitude!
Sincerely,
Thomas Fisher, ACSA President



Secretary
Mitra Kanaani
NewSchool of Architecture



CALIFORNIA ARCHITECTS BOARD
PUBLIC PROTECTION THROUGH EXAMINATION, LICENSURE, AND REGULATION

Mitra has been a catalyst and instrumental for NewSchool and in paving the path for other schools to develop an "Integrated Path to Architectural Licensure" degree program. Her efforts will help bridge architecture education and practice. By integrating the examination and experience components into the degree program, students will be positioned to become licensed when they graduate. In addition, the program will help students become licensed more efficiently. The program was one of the 14 pilot programs nationwide that were endorsed by NCARB with her efforts. Mitra, is currently directing the launching of this program at NewSchool of Architecture.

The Board has enjoyed a strong working relationship with NewSchool, due largely to Mitra's effort. She makes a concerted effort to monitor the Board's activities so students can be prepared to become licensed and enter the profession.

Douglas R. McCauley Executive Office 

ACSA ADMINISTRATORS CONFERENCE—CO-CHAIR - 2002

The theme of the conference "**Reinventing Architectural Education for the 21st Century: Bridging the Gap Between Education and Practice of Architecture**" was on the novel ways to link education and practice. Beyond discussing the numerous ways that schools can (and often do) integrate education and practice the conference included presentations from architecture firms on their in-house education programs. The agenda included a variety of session formats focusing on a range of topics from new administrator issues to model programs that integrate education and practice. More specifically, session topics included: accreditation, degree nomenclature, the 2002 National Internship Summit, expanded practice, and sustainable design.

Representatives of the following schools and firms discussed model programs that were integrating education and practice. Schools represented included: the Boston Architectural Center (BAC), University of Cincinnati, Drexel University, Frank Lloyd Wright School of Architecture, Morgan State University, NewSchool of Architecture and Design, University of Southern California, and the University of Waterloo. Firms represented include: EYP, Freeman White, Gensler Associates, HOK, RTKL, and SOM.

–Keynote presentation, "An Open Curriculum for RTKL: Building Links between Education and Practice" by former Mississippi State dean John McRae; –Keynote speech on "The Expanding Dimensions of Practice" by 2002 AIA President Gordon Chong FAIA.

Section (c) - Personal Thrive in Scholarship of Application by Engaging in Architecture Practice - - Pro bono Architectural and Design Services to the San Diego Symphony

Exhibit (c5) - Recent Major Projects: San Diego Symphony

Challenge - Applying knowledge and skill to practice of architecture

Roles and Actions:

• Aside from academia, Mitra has been engaged in practice. In recent years her focus in practice has been on affordable housing. However, in the past five years she was involved in pro bono designs of a series of small and large-scope projects for the San Diego Symphony. Her most published projects were for the San Diego Symphony Centennial celebration, where she was invited to come up with series of design proposals for enhancing the corporate look of the symphony's historic Hall entrance, which is currently embraced and sandwiched by the corporate look of the Symphony Tower.

The Symphony's Board and Executive director had been seeking a unique solution to the fact that this secondary entrance that once was the main entrance to the old Copley Hall, was very nondescript and "corporate" in nature. The goal was mainly to allow more visibility for the old Copley Hall and finding ways to express the musical typology of the building, which is currently camouflaged by its corporate context.

Outcome:

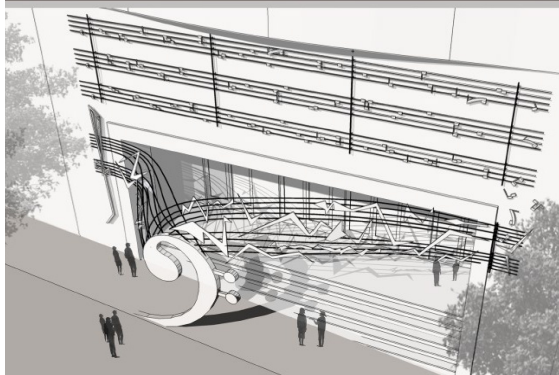
- Design outcomes that energize San Diegans and were well received by the City Authorities and the Mayor of San Diego.
- Acting as a role model for students as our next generation of future architects.



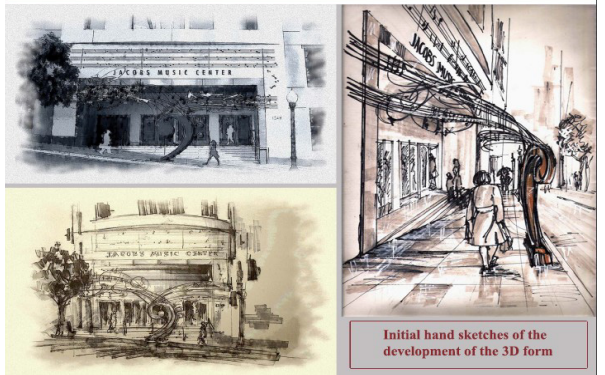
Design of the 7th Ave. original Entrance to the old Copley Hall, for the Centennial of San Diego Symphony

Concept: When Music and Architecture Speaks the Same Language inspired by a combination of Modern music and Gregorian notations.

San Diego Symphony centennial celebration: Copley Hall 7th Ave. Entrance Design Enhancement



San Diego Symphony Copley Hall 7th Ave. Entrance Design Enhancement



Providing More Visibility for San Diego Symphony:

Design of a billboard for the corner of the Symphony Tower, and a series of 100x50 ft. banners for the same design goal of providing more visibility for the Symphony Hall, which is currently camouflaged by the contextual corporate look of the existing high-rises and the surrounding commercially expressed architectural appearance.

Section (c) - Personal Thrive in Scholarship of Application by Engaging in Architecture Practice - Pro bono Architectural and Design Services to the San Diego Symphony

Exhibit (c6)- Recent Major Projects: San Diego Symphony

Challenge - Applying knowledge and skill to practice of architecture

For the San Diego Symphony Centennial celebration I was invited to come up with a design proposal for an out-door stage and facility for the Symphony Summer Pops performances. The existing site was already studied and analyzed comparatively with two other sites, as part of a community design project and research conducted by me and three of my NewSchool students. At this time Symphony was asking Mitra only, to come up with a design proposal for the schematic phase.

The main design requirement was to consider the organic and fluid nature of the site located in the most poetic part of the San Diego Bay on a man-made peninsula, in the Downtown Embarcadero area. The design was supposed to somehow rhyme with the San Diego Convention Center soft shell design theme that is right across from this selected site, which every summer is used by the Symphony for their Summer Pops performances. The proposal was very well received by the Symphony Board and the Port of San Diego Port authorities, who gave the design the name, **"Big Bay Shell."**

Dear Mitra, The Big Bay Shell is looking great and well located in the area to maximize audience. It shows lots of thought as to function as well as great design and appearance. I'll be taking the pictures with me to a meeting with the mayor tomorrow to get his support with the port commission. All is looking well with the commission so far and the iconic appearance should be a significant selling point.

Regards, Irwin

Irwin Mark Jacobs Founder and former Chairman and CEO, Qualcomm, Chairman of Salk Institute for Biological Studies, former chair and honorary member of the Board of Directors of San Diego Symphony, Dean Emeritus of UCSD Jacobs School of Engineering

