



# BASE CAMP

**Patricia Belton Oliver, FAIA**  
Dean, Gerald D. Hines College of Architecture - University of Houston

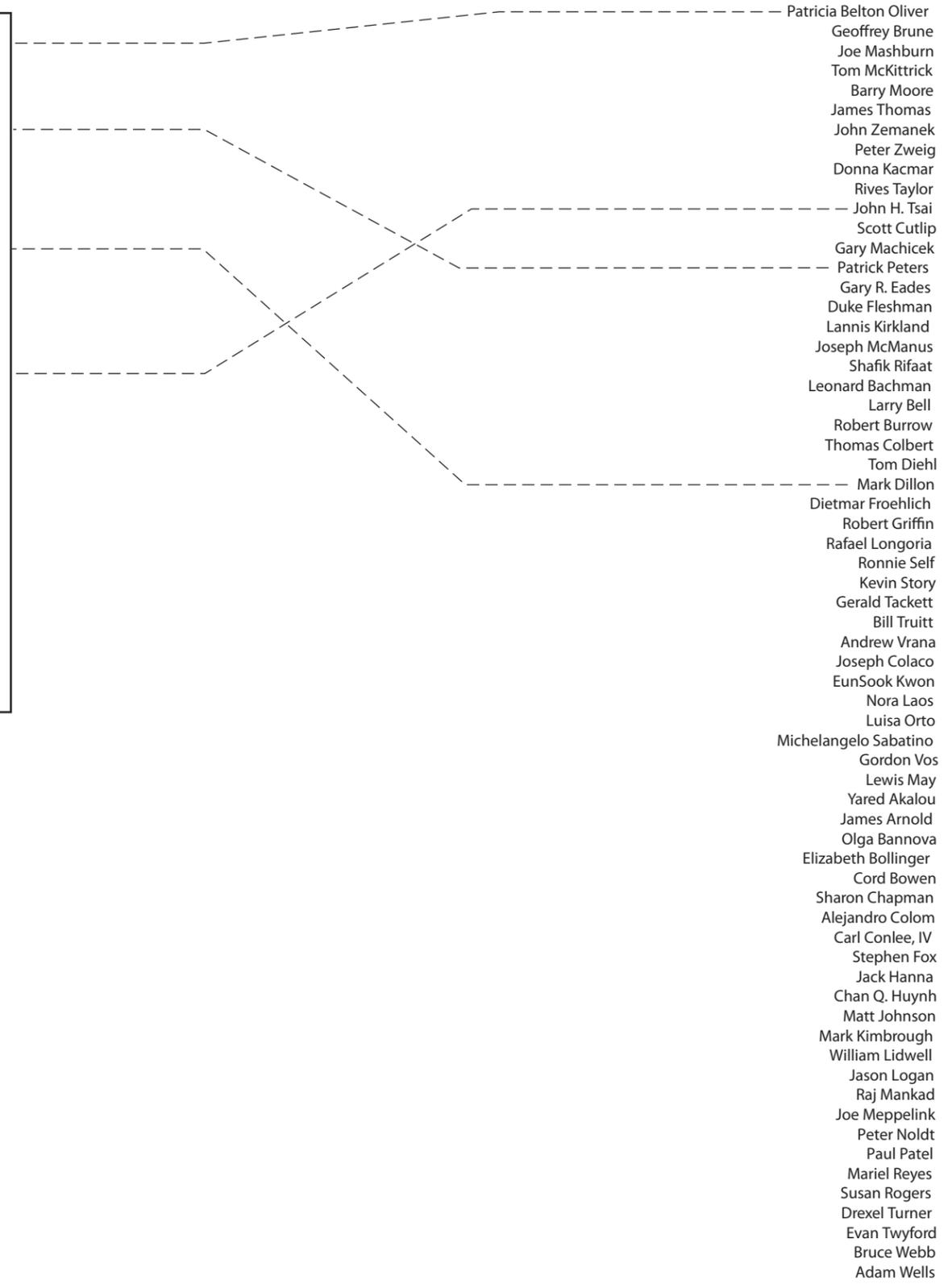
**Patrick Peters, LEED AP**  
Principal, Greenmodern  
Professor and Director of the Graduate Design/Build Studio

**Mark Dillon**  
Principal, Office of Architecture and Development  
Visiting Professor

**John H. Tsai, LEED AP**  
Principal, JT ARC Studio  
Lecturer/Adjunct Faculty

Student Assistants:

Josh Robbins  
Lazlo Pallagi  
Athena Patira





- Patricia Belton Oliver
- Geoffrey Brune
- Joe Mashburn
- Tom McKittrick
- Barry Moore
- James Thomas
- John Zemanek
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**Gensler**

PhD



**MORRIS**  
ARCHITECTS

**PageSoutherlandPage**  
ARCHITECTURE INTERIORS CONSULTING ENGINEERING

## BASE CAMP

**Patricia Belton Oliver, FAIA**  
 Dean, Gerald D. Hines College of Architecture  
 University of Houston

**Project: ACCD, Hillside Campus**  
**Type: Campus Master Plan**

Patricia was responsible for the program and project administration for the Hillside Campus Master Plan, working with Alvaro Siza and Frank Gehry. Her office produced the preliminary conceptual plans, study models, and site models for both Siza's and Gehry's offices.

The Design Research Complex by Gehry Partners was the linchpin of Art Center's educational vision. It was intended to embody the defining principles and ambitions of art and design education in the 21st century and prepare Art Center students to shape the world they inhabit, making it a better place through their conscientious and expert creative practice. Conceived as a hybrid facility, the new complex paired the research function of the library with applied technical skills function of the workshop, presenting a singular opportunity to create 21st-century versions of these two traditional spaces.



**Patrick Peters, LEED AP**  
 Principal, Greenmodern  
 Professor and Director of Graduate Design/Build Studio

**Project: El Paso Medical Center - Longoria/Peters**  
**Type: Planning**

The proposed complex is designed to present a prominent profile upon the crest of the hill and to offer panoramic views of the city below and the river valley beyond. Medical Center Street, the area's main artery, is extended into the site in order to integrate the cliff with the existing urban fabric. The buildings are organized around an oval tree-lined plaza with the potential of becoming the much-needed heart for this section of the city. While this oasis-like plaza will be used as a trellis-covered parking area during weekdays, on weekends and special occasions it could function as a grand civic space, a place for a quiet stroll or the setting for public festivals.



**Mark Dillon**  
 Principal, Office of Architecture and Development  
 Visiting Professor

**Project: 1984 Summer Olympics**  
**Type: Planning**

Officially known as the Games of the XXIII Olympiad, was an international multi-sport event held in Los Angeles, California, United States in 1984. Los Angeles was selected as the host of the Games on May 18, 1978 on the 80th IOC session at Athens, Greece, without a vote, because it was the only city that submitted a bid to host the 1984 Summer Olympics. The only other interested city on the international level, Tehran, declined to bid. Many blamed this on the massive cost overruns of the 1976 Games, staged in Montreal. Los Angeles strictly controlled expenses by using existing facilities except a swim stadium and a velodrome that were paid for by corporate sponsors. The Olympic Committee led by Peter Ueberroth asked the Jerde Partnership to act as the master planners for the Olympic venues and the two Olympic villages (USC and UCLA) where the athletes would stay during the games. In addition all physical security systems for the athletes were coordinated through the Planning/Security teams. The 1984 Summer Olympics are often considered the most financially successful modern Olympics and have set a standard for innovative architectural planning strategies.



**Rives Taylor, FAIA, LEED AP**  
 Principal, Gensler  
 Firmwide Co-Director of Sustainability  
 Adjunct Associate Professor

**Project: UT School of Nursing and Student Community Center - University Architect**  
**Type: Campus Master Plan**

The \$57 million, eight-floored building, won the Citation of Honor from the American Institute of Architects for its environmentally responsible design. The project is a healthful learning and working environment assembled in a building that is also a good steward in its construction and daily use of the resources of the State of Texas. Encompassing 195,160 gross square feet of space, the new School of Nursing building was designed by BNIM, a Kansas City, MO firm with a history of distinction in designing green buildings. BNIM worked in partnership with Lake/Flato Inc. of San Antonio, recipients of the 2004 AIA Architecture Firm Award, the highest honor bestowed by the American Institute of Architects.



**Joseph Colaco, PhD, PE**  
 Principal, CBM Engineers Inc.  
 Professor

**Project: Burj Khalifa Tower, Dubai**  
**Type: 160-story Tower (Present Tallest Tower in the World)**

More than just the world's tallest building, Burj Khalifa is an unprecedented example of international cooperation. It is a symbolic beacon of progress, and an emblem of the new, dynamic and prosperous Middle East. It is also tangible proof of Dubai's growing role in a changing world. In fewer than 30 years, Dubai has transformed itself from a regional centre to a global one. This success was not based on oil reserves, but on reserves of human talent, ingenuity and initiative. Burj Khalifa embodies that vision.

Bringing Burj Khalifa to life required a combination of visionary ideals and solid science. In the process, the project amassed an awe-inspiring number of facts, figures, and statistics. Over 45,000 m<sup>3</sup> (58,900 cu yd) of concrete, weighing more than 110,000 tonnes were used to construct the concrete and steel foundation, which features 192 piles buried more than 50 m (164 ft) deep. Burj Khalifa's construction will have used 330,000 m<sup>3</sup> (431,600 cu yd) of concrete and 39,000 tonnes (43,000 ST; 38,000 LT) of steel rebar, and construction will have taken 22 million man-hours. The vast project involved more than 380 skilled engineers and on-site technicians. The amount of rebar used for the tower is 31,400 metric tons - laid end to end this would extend over a quarter of the way around the world.

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### Patricia Belton Oliver, FAIA

Dean, Gerald D. Hines College of Architecture - University of Houston

Project: ACCD, Hillside Campus  
Type: Campus Master Plan

Patricia produced the program for all of the buildings in the South Campus Master Plan, a five-and-a-half acre site in Pasadena. The first building, the Wind Tunnel by Daly Genik Architects, is completed and is the new headquarters for Art Center's "Zero to Infinity" public education programs. Patricia was involved in the project from the purchase of the property through entitlement and the funding phases. She wrote the program and acted as Project Liaison with Daly Genik Architects, Turner Construction, and Art Center's Board of Trustees to ensure the client's needs and the architect's intentions were safeguarded. The building was the first LEED rated building in Pasadena and paved the way for the City's current Green City movement



### Patrick Peters, LEED AP

Principal, Greenmodern  
Professor and Director of Graduate Design/Build Studio

Project: El Portal Competition - Longoria/Peters  
Type: Planning

This award-winning proposal demonstrates that public infrastructure can become a catalyst for renewal and reaffirms that civic projects can ennoble the public realm. A key element of this design is the flexibility to grow in phases and to accommodate the programmatic and functional adjustments that are a natural part of a project that involves multiple municipal, state and federal agencies, as well as two countries. Formally, the design is delineated by a symbolic gesture — an arc that mirrors the curve of the existing Mexican customs building at the Nuevo Laredo end of the bridge.



### John H. Tsai, LEED AP

Principal, JT ARC Studio  
Lecturer/Adjunct Faculty

Project: Brooklyn Atlantic Yards- Gehry Partners  
Type: Master planning study

The project site that Gehry Partners were asked to evaluate consists of 6 varying size blocks (22 acres) bounded by Flatbush Avenue, Atlantic Avenue, Vanderbilt Avenue, and Dean Street in Brooklyn, NY. The existing railroad storage yard which spans the majority of the site created a physical and psychological barrier between the neighborhoods north and south Atlantic yards. The planning proposal looked to re-stitch this underutilized area of central Brooklyn through the creation of a higher density mixed use nodes that look to revitalized pedestrian activity and redefine the Brooklyn skyline.

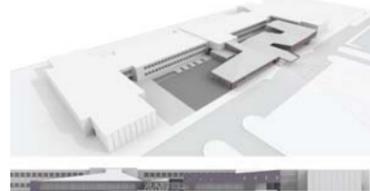


### Barry Moore, FAIA

Vice President, Gensler Houston  
Adjunct Associate Professor

Project: Lone Star Community College, Cy-Fair Campus  
Type: Campus Master Plan

The Montgomery-North Harris Community College System selected Gensler to develop a master plan for a new campus, and design the first phase of six buildings for this fast-growing Houston area college. The resulting Cy-Fair College (now Lone Star College) features a central water feature, which is part of a larger storm detention system. The resulting lake serves as the central quad of the college, with all buildings hugging the shore, and no classroom more than a ten minute walk from anywhere on campus. The buildings were designed with a common palette of materials, giving Lone Star an immediate identity of a coordinated college campus and a heightened sense of place. The Learning Resource Center in the main administration building was also designed to serve as a Harris County Branch Public Library. Enrollment has grown ahead of projections, and Lone Star has become a popular destination for students, faculty, staff and community.



### William Truitt, AIA

Design Architect, Morris Architects  
Associate Professor

Project: San Jacinto College, North Campus  
Type: Campus Addition

The proposal for San Jacinto College, North Campus, maximized efficiencies through a comprehensive study of existing facility utilization, demonstrating that the renovation of classroom buildings would account for a majority of the added demand. After the completion of existing facility renovations, new construction provided much needed additional lecture halls, giving the campus a new presence within the surrounding area.

### Susan Rogers

Director, Center for Community Design Resource Center  
Associate Professor

Project: Agri-urbanism  
Type: Planning study

The mission of the Community Design Resource Center is to enhance the quality of life in low and moderate income communities throughout the Houston region through design, research, education, and practice.

The Community Design Resource Center works to address issues of community development, design, planning, affordable housing and civic projects in partnership with communities. Over the last five years we have partnered with more than fifteen community-based organizations, the City, METRO, and others; we have collaborated with more than 500 residents and stakeholders; we have engaged more than 100 students in community-based learning projects and provided 25 summer student internships. We have organized four public exhibits of design work and produced eight design publications in association with our projects. In 2009 we completed the first Collaborative Community Design Initiative program which partners with four communities for a year providing comprehensive assistance with goal setting, visioning, and implementation strategies.

The Community Design Resource Center's partnerships have significantly contributed to the public debate on the role of architecture and good design in catalyzing community change. As we move forward we are designing new ways to engage our community partners, and new ways to enhance the mutuality, reciprocity and impact of our activities.

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## KEY ISSUES



- Impact of Tier One on Facilities -
- Future Buildings and Adjustment to Space Assessment -
- Parking -
- Community Space -
- Recreational Facilities -
- Resident Life/Housing and Campus Life -
- Growth Capacity -
- Integration with Surrounding Community -
- Analysis of Infrastructure and Facilities Condition Audit -
- Impacts of Metro Rail -

“THE BIG ROCKS” INITIATIVES

- Energy Initiative -
- Health Initiative -
- Arts Initiative -
- The Star Initiative -



## INSTITUTIONAL IMPERATIVES

Reconciliation of goals and initiatives with resources -  
Is there another model? -  
Can we get beyond "ownership" to "lease-ship" -



## PHASE I

OCTOBER 18-JANUARY 15

### ASSESSMENT:

- Review drawings, documents and other materials provided by Facilities/UH
- Review existing plans
- Create institutional modeling by zones
  - Space Use Analysis/Inventory
  - Main Campus and Off-Campus Facilities
  - Corrective Maintenance/Infrastructure Audit
- Site and Facilities Assessments:
  - Flood/Storm Water Concerns
  - Parking
  - Circulation
    - Vehicular
    - Pedestrian
    - Alternate Transportation
  - Campus Safety, Security, Access
- Quantitative and Qualitative Growth Imperatives
  - Distance Learning
  - Graduate vs. Undergraduate Ratios
  - Housing
  - Campus Life
  - Recreational Facilities
  - Academic and Co-Curricular Growth
  - Alliances/Incentives/Experimental Partnerships

## PHASE II

JANUARY 15-MAY 20

### Scenario Development:

- Phased Growth/SUE Targets
- Low-Cost, High Impact Targets
- Natural Sequencing
- Project Prioritization
- Corrective Maintenance/Remodeling/Infrastructure
- Distance Learning
- Housing/Campus Life
- Partnerships
- Alternative Aggregates Modeling
- Reconciliation with Framework Plan

For Research and Faculty Senate:

How are the “Stars” impacting the strategy for facilities?

- Are the stars intended to support the rocks:  
Energy, Health, Arts, Stars
- What constellations surround them?
- What is the scale of the constellations? – 200? Or 20?
- What commitment is the University making to support these stars and their constellations?

For Research:

- If Research is the gate to Tier One, what is the profile of that research?

For Student Council/Student Affairs:

- What is a destination campus?

For CLASS:

- Research in the humanities is a different research model.
- Does that research have impact on the facilities?
  
- Distance Learning – where are the highest concentrations of distance learning offerings?

Other questions:

- Is the new \$2.5M contract in health an on-campus or off-campus initiative?
- Are there other initiatives that will expand our activities to off-campus sites?

Graduate shift:

Are there impacts to the shift to higher percentage of graduate programs/students impacting more than the research areas? Which colleges will be most impacted?

Academic Bridges:

Are there incentive programs/or could there be incentive programs for co-curricular growth. Are there other ways to break down the physical space barrier?