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I’m delighted to introduce Review, a University of Miami School of Architecture publication that chronicles highlights of recent events, achievements, and new initiatives. Review mainly has two functions. It serves as an end-of-year report on teaching, research, creative professional practice, and outreach activities by our community—including students, faculty, staff, and alumni. It also summarizes the various initiatives formulated and launched in the preceding year. These include tactical maneuvers and strategic decisions with immediate effects and long-term consequences that continuously retrace and adjust an evolving roadmap for the school. Additionally, Review features an editorial piece that marks a defining moment in the recent life of the school, comments on its significance, and dwells on related issues and their potentially lasting impact. Review will be published each January to mark the beginning of a new calendar year with reflections on the one that just ended. In this inaugural issue, the retrospective gaze extends beyond the past calendar year to include the fall 2018 term. We thought that the stretch was warranted given a few milestones that merited inclusion in this snapshot of the School of Architecture. There is a great deal to report and be proud of when it comes to recent actions and accomplishments. We dedicated two new buildings and already have felt their transformative impact. The Thomas P. Murphy Design Studio Building’s game-changing influence on studio culture is such that we now wonder how the school managed to thrive without it. We also invested in new faculty members, as an incredibly successful international search—masterfully lead by Professors Carie Penabad and Allan Shulman—yielded five new appointments. Germane Barnes, Joel Lamere, Christopher Meyer, and Charlotte von Moos were appointed as assistant professors in tenure-stream positions, while Florian Sauter was hired as a lecturer. They are now well underway in shaping pedagogy and leading funded research in school-based labs and interdisciplinary teams.

We launched the new Master in Construction Management program—which is about to initiate its executive track—with a curriculum tailored to advanced students with more than five years of experience in the field. We also completed the planning and approval process for a new Master of Professional Science in Sustainable and Resilient Urbanism, launching in fall 2020. The program is mounted in partnership with the College of Arts and Sciences’ Geography Department, establishing a collaborative administrative and pedagogical model for interdisciplinary studies. The two new programs are the latest steps in our continuing efforts to extend the school’s scope and reach beyond its foundations in architecture and into an expanded professional field.

Witnessing new faculty members, academic programs, and facilities that transform the school on a daily basis has been exciting for the team that made it all happen and especially rewarding for our students—who now have greater support, resources, and options.

Putting the final touches on the school’s strategic plan after a two-year-long collective process that paralleled the University’s road mapping effort was equally thrilling. We have set the course and established guidelines for the development of the school along two complementary vectors: deepening engagement in a widened professional territory and sharpening focus on urban resilience for problem-based teaching and research.

The strategic focus on urban resilience tops the list among the items that are shaping the school and its hemispheric impact.
The School of Architecture already has a recognized track record in this area. But deliberately framing urban resilience as a focal dedication is a decisive and game-changing step forward. In this inaugural issue of Review, the editorial is hence written by Professor Sonia Chao, who coordinates the Urban Resilience Task Force—a working group of program directors and faculty members that is strategizing the school’s intensified focus on resilience. Professor Chao presents a context for the school’s commitment to “contributing solutions to urban resilience,” as stated in our repurposed mission statement. She clarifies how choosing to mobilize our resources to tackle South Florida’s adaptation challenges to climate change impacts is not only an existential imperative but also an opportunity for innovation in project-based teaching and solution-driven research.

When addressing prospective or incoming students this year, I welcomed them to Miami as the new Rome. Miami-as-Rome refers to the growing trend in schools of architecture, including Harvard GSD, Columbia GSAPP, UT Delft, etc., for sending their students here, to learn from Miami much like how they turned to Rome as a lesson in architecture and urbanism. As ground-zero of climate change causes impact, Miami indeed has the most urgent and relevant lesson to teach, offering the best opportunity for formulating and testing solutions for resilient development. As the eyes of the globe turn to Miami for evidence of, and answers to, the daunting challenges ahead, we hope that the University of Miami and the School of Architecture will be visible, front and center, as leaders in the local struggle and major contributors to the environmental discussion worldwide.

I want to take this opportunity to thank faculty, staff, and students for the vote of confidence in entrusting me with leading the school for a second term as dean. I believe we have accomplished a great deal in building a larger U-SoA—with a broader scope and a more diverse faculty. I count on your help to realize even more ambitious projects in the next five years.

Rodolphe el-Khoury, December 2019, Coral Gables
U-SoA is a construction site, literally and figuratively, with new facilities, research labs, and educational programs being built or re-structured for the School’s evolving purpose and community. Much growth has taken place since the appointment of Dean Rodolphe el-Khoury, President Julio Frenk, Provost Jeffrey Duerk, and a new team of university leaders including Jacqueline A. Travisano (Executive Vice President for Business and Finance and Chief Operating Officer), Josh Friedman (Sr. Vice President For Development and Alumni Relations), and Lourdes Dieck Assad, (Vice President Of Hemispheric And Global Affairs). The building process accelerated in the last 18 months when many initiatives and investments reached maturity, yielding transformative results. This chapter of the inaugural Review focuses on such results in three areas of intense building activity: facilities, graduate programs, and research infrastructure.

Building Places for Collaboration

Following closely at the heels of the B.E. and W.R. Miller BuildLab, which was dedicated in Spring 2018, the new Thomas P. Murphy Design Studio Building was ready for Fall 2018 classes and officially dedicated on November 29. Its impact on studio culture was immediately felt and continues to transform the school.

Designed by Arquitectonica and built by Coastal Construction, and shepherded through the construction process by Associate Dean Carmen Guerrero, the building received tremendous media and critical attention with a long list of publications, awards, and honors still growing, including to name only a few among dozens, 2018 Build of the Year, American Institute of Architects (Florida Chapter) - Honor Award of Excellence.
The enthusiastic reception worldwide is a great validation of the tremendous effort and care invested by all in the project—the university, donors, architects, and builders,” said Rodolphe el-Khoury, dean of the School of Architecture. “We were thrilled to see the building on the list of 43 nominees; to learn now that it actually won the highest distinction of ‘Building of the Year’ is just amazing. It says out loud and clear that at the U, we are doing it right!”

The lead donor for the building, Founder, Chairman, and CEO of Coastal Construction, Thomas P. Murphy, Jr., named it in memory of his father. “My father was my mentor and best friend. He taught me the importance of family, and the values I have are a result of watching him lead by example. This year, I am celebrating my 50th year in business and can’t think of a more fitting tribute than to see this building, named in his honor, recognized as the 2018 U.S. Building of the Year,” said Murphy, Jr.

The Thomas P. Murphy Design Studio Building is primarily dedicated to core studio courses and accommodates 140 students. In addition to studio space divided in two large areas, its 20,000 square feet includes a café, lounge, computer lab, presentation areas, formal review spaces, offices, and a design and digital fabrication lab. Two large shaded terraces complement the program with generous and well-trafficked outdoor rooms. The concrete and glass structure, elegant and simple, has a dramatic architectural feature in the shape of a swooping roof canopy. The floor-to-ceiling windows, by Tecnoglass Inc., feature advanced technology in the largest hurricane resistant and mullion-free panes to ever grace a South Florida building. The interior boasts minimal support structures to maximize flexible furniture placement and studio configurations.

Other donors who supported the building include Arquitectonica Foundation, Tecnoglass, Winnie & Larry Kearns, B. Arch ’85, Rolando Llanes, B. Arch ’83, and Alejandro Remus, B. Arch ’82.

The B.E. and W.R. Miller BuildLab and The Thomas P. Murphy Design Studio Building are part of an expansion project for the School whose campus-within-campus was mapped in “Campus Futures,” a vision plan developed by Boston-based firm NADAAA in a year-long consultative process, and presented in an exhibition titled Manifest Pedagogies in Spring 2019 in the Korach gallery of the Jorge Perez Architecture Centre. Key Feature of “Campus Futures” include the Making and Innovation Hub and the U-SoA Halo. U-SoA’s strategic plan emphasizes problem-based learning, project-based research and making in general (learning and thinking through making) as methodological and pedagogical staples. U-SoA has demonstrable strengths in this area in the work of the Design/Build program and RAD, for instance. But leading in this territory necessitates a Making and Innovation Hub with infrastructure for undertaking large-scale fabrication and prototyping projects in a high-bay structure, a robotics lab, and dedicated labs and spaces for project-based research. The U-SoA Halo is a comprehensive reshaping of the School grounds that combines architecture and landscape elements, including an iconic ring-like covered walkway that spatially frames the “quad” at the heart of the U-SoA campus. This project will significantly enhance the public realm of the School with enhancements to its various outdoor rooms—key platforms for a culture of belonging, collaboration, and exchange.

Facing the lakefront courtyard—U-SoA’s most beloved outdoor room—the new Architecture Research Center opened its doors in October 2019. ARC includes the renovated Paul Buisson Reference Library but doubles its footprint with a suite of amenities and meeting rooms on the second floor.

“Libraries are no longer needed primarily for access to books and reference materials; they now increasingly perform as platforms for interaction and change,” said Dean Rodolphe el-Khoury. “The ARC is a big step in this direction: it supplements...
the Paul Buisson Library with social spaces, classrooms, and other amenities that expand the scope and purpose of the traditional library.

The ARC’s Library houses publications in architecture, urban planning, landscape architecture, and building technology—over 10,000 books, and over 80 current international architecture and design-related journals.

The additional space above allows for the consolidation of other archives and materials, such as the Archive of the New Urbanism and the Special Collections, which includes rare and non-circulation volumes.

Gilda Santana, head of the Architecture Research Center and Art and Art History Librarian sees "Campus Futures" as a significant opportunity for engagement and participation from students. "Libraries have been a sanctuary for me since the age of five," she said. "I realized as I got older, that the library was a seat of democracy. When you are in the library, no one can tell you what or how to think. All people should have access to information." For third-year student, Cecilia McCormick, the expansion is a welcome addition. “This change,” she said, “will encourage us to spend more time there.”

"Campus Futures" also calls for the Renovation of Marion Manley’s Historically Designated Buildings. The School will take on the systematic renovation and adaptive re-use of the historic Marion Manley buildings to ameliorate the quality of classroom and office spaces and to upgrade studios, labs, and various other functions. This is potentially an ambitious project that could set a standard of excellence for historic buildings in achieving a zero-carbon footprint by means of state-of-the-art building systems and technology. Most importantly, the renovation will provide wheelchair accessibility to upper floors and achieve ADA compliance. Since Fall 2018, several upgrades and renovations have been implemented under the supervision of Associate Dean Carmen Guerrero. The projects range from new construction to repairs and restoration of existing interiors. The scope is the completion of phases one and two of the windows and exterior doors replacement project to the school’s historic postwar buildings. The windows and exterior doors of building 48 are now hurricane code compliant and consistent with historic designation. Phases two and three are to follow in order to complete the windows and doors replacement on the rest of the historic buildings. Also visible is the much-anticipated completion of the landscape trellis covering the loggia of the Jorge Perez Architecture Centre. Climbing Star Jasmine is rapidly growing on the columns and reaching over the loggia to shade the gallery space that is often used for outdoor gatherings and reviews.

To improve the safety of the school’s exterior and interior areas, the following work has been performed: upgrading of existing exterior lights to LED fixtures, repair of concrete in the school’s courtyard, installation of new rain gutter along the rooftop ARC of building 35 in order to mitigate water intrusion, and various maintenance projects in the school’s fabrication spaces, such as dust collector cleaning.

Other projects include the relocation of the computer lab and multimedia room to the ground floor of building 49 in order to increase accessibility; the conversion of an existing jury room in building 49 to studio space responding to the growing number of students; and the relocation of one of the offices inside the new Murphy studio building in order to increase the area of the open multipurpose space in this building.

Building Labs for Making/Project-Based Learning and Research

U-SoA is building momentum in implementing the vision outlined in its strategic plan with more emphasis on experiential learning and making-based research. Beginning with the Design/Build program, which advanced a making-based pedagogy in community-based projects ranging from eco-friendly shelters for the Everglades to a mobile lab for the Fairchild Tropical Garden, and continuing with RAD and a number of brand new research projects initiated by recently appointed faculty, U-SoA is investing in research and making infrastructure with new lab facilities and state-of-the-art technology.

The Design/Build Program found an ideal home and greatly-empowering instrument in the B.E. and WR R Miller BuildLab, a structure that was inaugurated in Spring 2018, setting the School on course for intensified investment in infrastructure for making-based learning and research. The elegant concrete structure designed by Professor Rocco Coo continues to evolve with operable wooden doors and louvers recently completed by the students as one of the first design/build projects to benefit from the shelter and convenience of the new facility. Investments in Lab facilities and support since Fall 2018 include the following:

RAD established and officially launched its Zenciti Research Unit in Spring 2019 thanks to a multi-year gift by Urbetica, a Yucatan, Mexico-based development company. Its mandate is to continue and intensify studies on smart cities that were initiated with a commission for the design of Zenciti, a private development adjacent to the Yucatan Science and Technology Park conceived as a hub for tech startups that leverages emerging technology in building a more sustainable and resilient environment. RAD, which stands for Responsive Architecture and Design, launched in 2014 for project-based research directed by Dean Rodolphe el-Khoury on the spatial ramifications of embedded technology and ubiquitous computing. The research both initiated by Rad Lab faculty, RAD is investigating in research and making infrastructure with new lab facilities and state-of-the-art technology.

LU_Lab was established with the appointment of Professor Christopher Meyer as an Assistant Professor in Fall 2018. LU_Lab, which stands for Littoral Urbanism Laboratory, is a research and design-based unit focused on coastal architecture and urbanism that seeks a symbiotic relationship between the built and natural conditions. Methods of research and design operate under four principals: Recover Ecological Authority, Engage System Thinking, Accept Dynamic Environments, and Synthesize Architecture + Environmental Circumstance. Research techniques employ a multi-scalar approach that tackles the specificity and exigencies of place from material conditions to territorial landscapes, thus implicating issues of materials, fabrication, and construction in the bigger picture and challenges of coastal resilience. Current projects include a 2019 U.S. Forestry Wood Innovation Grant, a visiting scholar position at Ryerson University’s Institute for Creative Technology Lab, a Design Residency at Autodesk Technology Centre Toronto, and an on-going consulting partnership with the Town of Surfside. Future strategic partnerships focus on innovations within manufacturing + industry, public and private policy making, and educational institutions.

Located in the 3rd level of the La Gorce Building within the U-SoA Campus, the LU_Lab is directed
CONSTRUCTION & FABRICATION HUB

LEARNING CENTER

CANOPY SURROUNDING MAIN LAWN

‘CAMPUS FUTURES’ VISION PLAN PROPOSAL BY BOSTON-BASED FIRM, NADAAA //
by Christopher Meyer. Assistant Professor in the School of Architecture. Working collaboratively with Shannon Meyer, AIA + U-SoA Lecturer, they lead research teams of two full-time graduate research assistants and one part-time undergraduate research assistant. Operating in the 3 bays, the lab is an atelier of thinking through making with each bay fostering a micro-focus on project and scale: illustrative digital explorations, digitally fabricated scale models, and digitally fabricated full-scale mock-ups. The LU_Lab utilizes Rhino+GH, ArcGIS, and KUKA PRC in design and fabrication process and has in-house 3D printing capacity. LU_Lab speculative projects investigate emerging material technologies through the use of carbon fibre tow and robotic fabrications as well as pneumatically-driven solid wood nail fasteners in the generation of 100% solid wood construction assemblies.

**Future Objects** is a laboratory that conducts project-based research on digital fabrication and other emerging design and construction processes. The research critically explores the new forms and effects facilitated by today’s proliferating technologies, expanding the material palettes and increasingly miniaturized simulative design environments. Led by Lab Director Assistant Professor Joel Lamere and Lead Researcher Cynthia Gunadi, Future Objects engages in experimental installation work and collaborative projects to speculate on future means and methods of building. The lab currently employs two research students with plans to add two more in the coming year.

Established in Spring 2019, Future Objects is already embedded in the context of South Florida, with research projects that address some of the region’s most pressing concerns. It is part of a U-LINK-funded team exploring 3D-printed concrete for the next generation of seawalls. It is also researching lattice structures, funded in part by a UM Provost Research Award grant, which uses minimal material to maximal structural ends. An upcoming exhibition explores the agency of design and architecture in shaping new futures. All three projects tackle the ecological mandate of our time: doing more with less.

The lab deploys a design process that works in three simultaneous modes: computational design, physical testing through models, and large-scale making. The space itself, located on the second floor of the historic La Gorce building, is arranged in three parallel bays. The first bay, for computational design, is outfitted with three workstations and conventional desk spaces. The second bay is equipped with many digital fabrication tools, including two state-of-the-art 3D resin printers, a desktop CNC router, a cutting plotter, a large-format printer, and other tools for model making. The final bay is simply an open space, which serves as infrastructure for the assembly of larger-scale prototypes.

**The Community, Housing & Identity Lab (CHIL)** was launched in Fall 2019 as a testing ground for the physical and theoretical investigations of architecture’s social and political resiliency. CHIL explores how the built environment is shaped by factors that extend beyond conventional construction procedures and highlights the consequent narratives of marginalized communities.

Located on the third floor of Building 4B, CHIL is directed by Assistant Professor Germaine Barnes. The lab currently employs two graduate research assistants and three undergraduate production assistants. Equipped with a Formlabs Form 3 Stereolithography Resin 3D printer, DSLR video camera, two Dell workstations, and conventional power tools, CHIL produces work across multiple media.

In July of its inaugural year, with Professor Barnes as co-principal investigator, CHIL received a grant from the Community Foundation of West Palm Beach County for The Porch Project. This one-time funding was for the design and restoration of five porches in The West Settler’s District of Delray Beach, Florida. Through this initiative, multiple homeowners in the historically black area of Delray Beach have provided oral histories of their neighborhood and the significance of their porch in their lives. The Porch Project is set for completion in July 2020.

In October, CHIL participated in the Design Dialogues exhibition series at the University of Miami, School of Architecture. Titled Dark Mode, the exhibition proposed multiple scenarios of black production at varying scales by subverting the relationship of the figure and the figure ground. Traditional black rituals were rendered white, situated within a site-specific landscape, and rendered black, providing new opportunities for legibility. A catalog of terms, or gestures, in conjunction with locations throughout Miami, or positions, revealed glimpses of architecture’s social and political influence. Cyan ellipses highlight spaces for positional reconstruction, providing alternatives to speculations of darkness. The opening reception included a roundtable discussion with visiting professionals from immigration, activism, and architecture.

U-SoA’s FabLab, dedicated to digital fabrication infrastructure which is now mainly concentrated in the U-SoA’s 3D Design Studio Building, grew steadily with former manager Elias Merheb and took a major leap forward thanks to the leadership of Max Jarosz. Jarosz, who took the helm of fabrication operations—both digital and traditional—in Fall 2019, promptly implemented ambitious initiatives with impactful outcomes. These ranged from new processes and equipment to enhance access and increase production volume, to new training programs that incentivized and empowered students to take ownership of and intensify usage of digital production resources. One of Jarosz’ first tasks was to enhance the web-presence of the lab so as to better map and facilitate access to its various resources. Jarosz worked closely with Professor Joel Lamere in planning and preparing the FabLab for the acquisition and installation of a robotic arm. This latest addition to U-SoA’s suite of state-of-the-art equipment was made possible thanks to a generous gift by Catherine and W. Robert “Bob” Mills, IV. With the culture of making at U-SoA continues to support the Design/Build program and brought us the B.E. and W.R. Miller BuildLab. The large format robotic arm will be the instrument of choice in a design studio course that leverages emerging technology in designing and building installations that are optimized for acoustical performance. Jarosz also aims to establish the FabLab as a research unit in its own right, with a capacity to apply for funding, form teams, and take on projects. This would be a significant development in how the lab is set up and managed, expanding its role beyond services provided to student and faculty to become a more active and deliberately-steered agent in the production of knowledge.

**Building a Wider Scope for Graduate Education**

U-SoA is steadily growing to reach the critical mass of material and human resources that will enable it to achieve its full potential. The School is extending its reach beyond core disciplinary commitments, adopting emerging technology for teaching and design innovation and building interdisciplinary teams for tackling new challenges such as climate change and sea-level rise. With new professional graduate degrees that are already in place or underway, U-SoA is operating in an expanding professional field including real-estate development, construction management, resilient and sustainable urbanism, and soon to embrace hospitality design, healthcare design, and historic preservation. Projected growth includes the adoption of online education and innovative curricula with an open architecture and micro-credentials that facilitate lifelong-learning. Graduate program-building activities since Fall 2018 include the following:

The **Master of Construction Management program** launched in Spring 2019 and continues to grow ahead of projections with a diverse student population from backgrounds in architecture, business, finance, engineering, and other disciplines. Twelve students are currently
A “startup city” built from the ground up, a new way of life departing from existing models with technology-enabled governance, logistics, wellness, culture, and entertainment.

ZENCITI

is

1. **A CUSTOMIZED CITY**

2. **A HYBRID CITY**

3. **AN ECOLOGICAL CITY**

4. **Designed as**

5. **Designed With**

6. **Equipped With**

7. **Transforming**

RAD: RESPONSIVE ARCHITECTURE & DESIGN LAB
enrolled and three additional students are expected to join for the Spring 2020 term. The Executive Master of Construction Management that caters to more advanced students launches in Spring 2020. The MCM, developed in coordination with the College of Engineering’s own program in this area, focuses on preparing the next generation of industry leaders to meet the challenges of the 21st century. It forges alliances with the industry to provide field-based learning opportunities for our students. Leading construction and development organizations, our industry partners have signed agreements with the University of Miami to facilitate practicums. These are similar to clinicals in the medical field. Students are required to complete two semester-long practicum courses non-paid (20 hours per week) and one paid internship as part of their core requirements. UM Facilities and Operations also participates by providing opportunities to our students. Field-based practicums and internships reinforce learning in the classroom where coursework emphasizes the development of critical and creative thinking, collaboration, and communication skills—all deemed necessary to succeed in the workplace.

In addition to the growing relationship with CoE, the program benefits from other partnerships: the School Councils of the School of Architecture and the Miami Herbert Business School approved a dual MBA/MCM degree that enables students in the accelerated MBA program to achieve their career options with a complimentary degree in Construction Management. Curriculums have been developed jointly to integrate courses from each program to achieve both degrees in 60 credits. The dual degree program will graduate students with a strong business and management background focused on the construction industry.

Concurrently, a proposal for a joint Master of Real Estate Development + Urbanism (MRED+U) and the Master of Construction Management (MCM) has also been approved by the U-SoA School Council. This is in line with current demand as many students over the past year have chosen to complete both programs.

Technology is vital to the survival of the construction industry, and its implementation improves efficiency, resiliency, and sustainability. Current technology offerings include Virtual Design and Construction and a survey course on Emerging Technologies. Both of these courses are well subscribed and popular with students in other academic programs. A road map for the future of the program includes continued research, evaluation, and application of construction technologies, and the continual development of new credit and non-credit learning opportunities in technology (seminars and workshops) for the industry as part of a “Lifelong Employability” initiative. The program is expected to continue a trajectory of growth, in partnership with the industry and other academic units, focused on issues related to the future of the built environment.

A new Master of Professional Science in Sustainable and Resilient Urbanism is ready to launch with final approval by the Faculty Senate and Board of Trustees granted in Fall 2019. This program was designed and mounted in partnership with CAS’s Department of Geography as an interdisciplinary curriculum with a common core and parallel tracks: a track in urban sustainability courses emphasizing the social sciences and a track in urban resilience emphasizing design. The program’s innovative interdisciplinary structure, flexibility, and joint governance set an important precedent for future partnerships at UM that mobilize collaboration and interdisciplinary resources for education in increasingly complex areas of research and learning—more on the program and its strategic relevance on page 39.

U-SoA’s School Council approved a proposal for a Master in Historic Preservation presented by Professor Jean François Lejeune in Spring 2019. The proposal had evolved in iterations debated and polished over several months, with a final version capitalizing on UM’s “geographic endowment,” as President Julio Frenk characterizes Miami’s strategic location in the hemisphere. The program will leverage U-SoA expertise in both the historic building traditions of the Caribbean as well as the modern building heritage of the region to build a unique and much-needed curriculum. The program should also benefit from U-SoA’s growing investment in urban resilience, situation problems of conservation, preservation, and adaptive reuse in the context of broad environmental and cultural challenges.
New Tenure-Stream Faculty Expand Scope and Diversity

Four new tenure-stream faculty members joined the University of Miami School of Architecture since Fall 2018 as a result of an ambitious—and immensely successful—international search. The search was led by Directors Carie Penabad and Allan Shulman with a committee including Esber Andiroglu (CoE), Roberto Behar, Carmen Guerrero, and Jean Francois Lejeune. The committee reviewed more than 150 applicants for the positions and invited nine candidates for an extended interaction with students, faculty, and staff on campus. The search resulted in appointments at the rank of Assistant Professor for Joel Lamere, Christopher Meyer, and Charlotte von Moos in Fall 2018, and for Germane Barnes in Summer 2019.

Germane Barnes received a Bachelor of Science in Architecture from the University of Illinois at Urbana-Champaign and a Master of Architecture from Woodbury University where he was awarded the Thesis Prize for his project Symbiotic Territories: Architectural Investigations of Race, Identity, and Community.

Upon arrival to Miami, Barnes was appointed designer-in-residence for the Opa-Locka Community Development Corporation, where his design and research contributions were published and exhibited in several international publications. Currently, he is the Director of Studio Barnes, a testing ground for the physical and theoretical investigations of architecture’s social and political agency. His design and research are receiving national attention. Most recently, he was the recipient of a Graham Foundation for Advanced Studies in the Fine Arts grant; and The National Museum of African American History identified him as a member of the black design professionals who are challenging the status quo in architecture and urbanism.

Barnes is currently teaching design and visual representation courses in both the undergraduate and graduate programs.

Joel Lamere received his Master of Architecture degree from the Harvard Graduate School of Design. Prior to joining UM’s School of Architecture, he was Assistant Professor of Architectural Design and Homer A. Burnell Chair at MIT.

Lamere’s research addresses the future of building practice through innovation in emerging means and methods. As computational design processes evolve and digital fabrication techniques become more commonplace, our built environment promises to transform radically. Lamere explores this changing landscape through Future Objects at the School of Architecture, a laboratory dedicated to experimentation and innovation in the field of construction technology.

In 2010, Lamere co-founded the design office GLD with Cynthia Gunadi. The internally exhibited work of the practice is pre-occupied with radical thinness and the production of maximal spatial outcomes through minimal material means. In 2018, he was the recipient of a UM Provost Research Award; and most recently he has been a member of an interdisciplinary UM Laboratory for Integrative Knowledge (U-LINK) team that received funding to work on the design of the next generation of coastal structures capable of addressing the challenges of climate change in the region.

Lamere teaches design across the curriculum and is currently the Thesis coordinator for the graduate program.

Christopher Meyer received his Bachelor of Architecture from the Fay Jones School of Architecture and earned his Master of Architecture from Harvard Graduate School of Design. Focusing on the role of performative criteria to inform design directives, his work...
addresses architecture from material influences to territorial impacts through the extraction of an embedded logic of place. Christopher has taught at the University of Minnesota College of Design, Fay Jones School of Architecture + Design and the College of Architecture at the Wentworth Institute of Technology. As co-author of Pamphlet Architecture 36: Buoyant Clarity, Christopher’s research investigates the turbulent future for littoral communities as they address ensuing environmental pressures.

Currently, Chris is partner in the architectural firm Atelier Mey with Shawna Meyer. He is also the Director of the U-SoA Littoral Urbanism Lab (Lu-Lab) which operates as a knowledge gathering center and project-based design group focused on the evolving dialogue binding urbanism and the environment. In the Spring of 2019, the Lu-Lab was selected to receive $250,000 in grant funding to support a two year project titled, “All That is Solid: Platforms for Wood Innovation.” This U.S. Forest Service Awards Grant will expand design education on mass timber and solid wood construction in Florida.

Meyer currently teaches design and coordinates the environmental systems courses for both the undergraduate and graduate programs at the School.

Charlotte von Moos is a practicing architect and researcher. Together with Florian Sauter, she is the co-founder of the award-winning architectural practice Sauter von Moos based in Basel, Switzerland, and Miami. The studio engages in work on all scales, both in theory and practice. The work of the firm has been widely published and exhibited, most recently at the 2018 Architecture Biennial in Chicago.

Von Moos holds a professional architectural degree from the Federal Institute of Technology in Zurich, where she later taught at ETH Studio Basel—Institute of the Contemporary City and Harvard GSD with Jacques Herzog and Pierre de Meuron. She was a visiting professor at the Technical University of Munich and workshop leader at the prestigious Porto Academy, held at the Faculty of Architecture of the University of Porto.

Charlotte is currently working on a book entitled In Miami in the 1980s, The Vanishing Architecture of a Paradise Lost. The research aims to celebrate a period in American Architecture when—in the sub-tropical center of the Americas—art and architecture were still vividly interconnected. For this research, she is currently a Graham Foundation for Advanced Studies in the Fine Arts grant finalist.

Von Moos teaches design and elective courses and served as the coordinator of the first semester undergraduate design sequence in the Fall of 2019.

U-SoA has recently made several additional full and part-time appointments to accommodate the needs of a growing student body as well as the expansion of the curriculum into new territory. These include three new Lecturers: Florian Sauter, a practicing architect and theoretician who co-founded Sauter von Moos in Basel; Alex Morcate, a developer, bank risk analyst, market researcher and financial analyst who co-founded a real estate technology company specializing in visualizing the market’s intelligence; Mark Troen, a real estate development and Finance analyst who is Senior Vice President of Brookwood Group.
Scientific evidence indicates planet Earth is warming and, in recent decades, at an accelerated rate. Stronger and more frequent climate-related extreme weather events and rising seas due to warmer and expanding ocean waters—aggravating existing economic, physical, and social frailties—increasingly challenge low-lying coastal areas across the globe.

Coastal population, poverty and urbanization rates, patterns, and location (Neumann et al., 2015), as well as a misalignment of economic incentives (USACE, 2015), and building characteristics, increase exposure levels and amplify overall risks, as verified by the United Nation’s Intergovernmental Panel on Climate Change (IPCC, 2014). “According to a majority of scientists, most of the observed warming of the last 50 years is primarily due to the increase in greenhouse gas concentrations. America’s Climate Choices, a 2011 report requested by Congress, confirmed “communities across the Nation are already experiencing a range of climatic changes, including more frequent and extreme precipitation events, longer wildfire seasons, reduced snowpack, extreme heat events, increasing ocean temperatures, and rising sea levels.” The report also “reaffirms that the preponderance of scientific evidence points to human activities—especially the release of carbon dioxide and other greenhouse gases into the atmosphere—as the most likely cause for most of the global warming that has occurred over the last several decades. These trends cannot be explained by natural factors such as internal climate variability or changes in incoming energy from the sun.” The report adds that the “impacts of climate change on human and natural systems can generally be expected to intensify with warming.” With each ton of greenhouse gas emitted into the atmosphere, the risks escalate.

Miami-Dade County is among the most vulnerable locations along the U.S. eastern seaboard, due to its combination of risk factors, such as the concentration of its population and economic engines at or within a few miles of the coast (Letson, 2017), sea-level rise (Wdowinski, 2016), poverty rates, the porous geology, a vast low-lying terrain, and its geographic location related to hurricane corridors (Solis, 2012). Studies, including those by the U.S. National Research Council, underscore the urgent need for substantial actions, by all levels of government, to limit the magnitude of climate change and to prepare to adapt to its impacts. Therefore, in the near term, in alignment with scientific data and recommendations, significant decreases of greenhouse gas emissions should be among the highest priorities in the national response, in particular, because consequent impacts are not necessarily manifested immediately, yet can persist for centuries afterward. A coordinated national response—across all levels of government, academia, and professional practice—towards climate change is warranted. In parallel, given that humankind has already bought into a certain degree of climate-induced changes in environmental systems, adaptation strategies (resilience) need to run hand-in-hand with mitigation initiatives (sustainability).

A term rooted in ecological systems, resilience refers to how any given system’s components are expected to have the ability to remain or perform within defined and recognizable limits despite the impact of disturbances (Hollings, 1973). Resiliency and sustainability are intricately tied together as they each entail the ability of a locality to “tolerate—and overcome—damage; diminished productivity; and reduced quality of life from an extreme event without significant outside assistance.” (Mileti, 1999) A community’s ‘resiliency quotient’ is reliant on its capacity to...
address the various multipliers, which impact not only the physical but also the economic and social factors that permit a society to both survive and thrive, and for that reason, they require a holistic design and policy approach, including factors often overlooked, such as cultural inheritance.

Over the coming decades, climate-induced events will logarithmically increase in frequency and intensity, aggravating existing social and economic stressors, consequently representing a mounting burden on communities, rendering existing settlements and buildings vulnerable, if not outright untenable, in some instances in particular, if these insidious issues are ignored. The overall health or even the survival, in other instances, of these entire settlements rests upon their versatility, and in multifaceted efforts to adapt to climate stressors and shocks in their physical, financial, procedural, and social structures.

Interestingly, the inter-related ways in which humans affect and are affected by climate are engendering interdisciplinary investigations, from which multi-pronged solutions are possible. In those triangulations, architecture, urban design, and urban planning are great malefactors, beginning with inefficient buildings that result in greater energy consumption, followed by distended and segregated land-uses that result in greater car-dependence and thus emissions, and ending with disabled human settlement patterns that are disconnected, inefficient, and consume virgin land. However, architecture, urban design, and urban planning can potentially serve as transformational pathways to “compatible climate development,” resiliency, responsibility, along with social, physical, and cultural well-being.

A new frontier is before us, where architecture, urban design, and planning are intersecting directly with the growing pressures and challenges of a changing climate and its impact on society. This unfamiliar reality requires a shift in how architects and urbanists are trained, and accordingly moving ever more towards an interdisciplinary and trans-disciplinary educational experience, accompanied by “real-world/hands-on” learning, which, comprehensively facilitate broader perspectives, creative thinking and problem solving methods, as well as more productive community partnerships.

This educational shift yields highly prepared future professionals more capable of safeguarding life and property. Academia plays a significant role in ensuring students are well-versed in the emerging skills, tools, and expertise needed to tackle climate-induced pressures on built, natural, social, and economic systems for broad-based community benefit.

With the advent of these realities and needs, increasingly, the University of Miami School of Architecture has created collaboration platforms for its students, faculty, and alumni, to engage with each other and with communities, broadening research initiatives and shepherding multifaceted and insightful adaptation designs and strategies. Miami-Dade is a unique living classroom, which provides the University’s community with firsthand access to the climate-related challenges, opportunities, and deployed strategies, as well as to leading agencies and their leaders.

The School of Architecture’s unswerving aim is to educate first-rate future professionals, high-caliber designers, and authentic civic leaders precisely in the approaches, designs, and instruments needed to address climate-related community challenges, while directly engaging with communities, peers, and governments, to arrive at well-conceived and thoughtful solutions to address local, regional, and hemispheric “urban resilience” goals for the benefit of current and future generations.

Sonia Chao is a Research Associate Professor at the University of Miami School of Architecture & College of Engineering; Director of the UM Center for Urban & Community Design; Faculty Research Fellow on Climate & the Environment at the UM Institute for the Advanced Studies of the Americas and is an Executive Board Member for the Florida Climate Institute.
“Urban resilience” is the University of Miami School of Architecture’s strategic focus area. Achieving a measure of urban resilience requires complex, scalable solutions, which U-SoA has been and continues to be eminently well-situated to spearhead in collaboration with stakeholders in government, industry, and local communities, while in parallel, it prepares students for professional leadership and lifelong learning in architecture, urbanism, sustainability, and resilience.

U-SoA contributes to the mission of a comprehensive research university through the processes of “creation,” which includes research, scholarship, and design; through the practice of “re-creation” centered on education; out of “translation” via technology and creative professional practice, and by means of “utilization,” vis-a-vis community service and engagement. Through this comprehensive approach, U-SoA’s school-wide community produces excellent scholarship and projects that are relevant and can address societal and hemispheric challenges and opportunities.

Various members of U-SoA’s faculty are currently involved in resilience-related research initiatives, often on interdisciplinary teams, along with colleagues from across the UM campus and at other institutions, thanks to current or recent internal U-LINK funding and external grants; including from the National Science Foundation (NSF), the National Endowment of the Arts (NEA), and the Robert Wood Johnson Foundation. The topics of faculty investigations, which can also engage students through projects and coursework, range from climate to material science to community building to population health and well-being. Specific projects address coastal and community resilience and the quantifiable correlations between natural defense systems and their capacity to protect urban centers from storm surge events.

Faculty has also been engaging these topics through professional practice, working with public and private clients and organizing multidisciplinary teams to advance techniques and models of urban resilience. Recent efforts extend to the difficult intersection between resilience, historic preservation, engineering, material technology, and public policy. Such realistically grounded projects offer important case studies that expand students’ understanding of challenges and opportunities.

Three faculty members have been involved in U-LINK projects. The first of these interdisciplinary investigations is entitled Hyperlocalism: Transforming the paradigm for climate adaptation. The first-year objective is to identify climate adaptation initiatives locally and across the U.S. and to engage advocacy groups working to inform and empower individuals in climate change awareness. The second research team’s initiative is entitled Next generation of coastal structures: Feasibility, quantification, and optimization. Its purpose is to address the multi-dimensional functionality of human-altered shorelines. Models of next-generation coastal structures were both visualized and 3D-printed based on site visits, stakeholder discussions, and preliminary research on housing prices and on biophilic concrete. The last of the U-LINK research endeavors is in Phase II of...
CUCD leadership along with CUCD-affiliated practitioners and researchers are collaborating with local, regional, and national partners, including the Rosenstiel School’s SUSTAIN facility to conduct experiments. Data produced from those experiments will be compared to data provided by The Nature Conservancy to comprehend the differences in their performance and in turn, utilize the data in a “human-centered computational model” created by the U-SoA-led sub team to evaluate the performance of enhanced reefs in diminishing the physical and social vulnerability of the urban fabric and of individual buildings to storm surge flooding.

The U-LINK teams presented their work in a term-long program curated by Associate Dean Carie Penabad in Spring 2019 as part of U-SoA’s High Noon series—a lunchtime forum dedicated to ongoing research. They also closed Design Beach. This team is using the Rosenstiel School’s SUSTAIN facility to conduct experiments. Data produced from those experiments will be compared to data provided by The Nature Conservancy to comprehend the differences in their performance and in turn, utilize the data in a “human-centered computational model” created by the U-SoA-led sub team to evaluate the performance of enhanced reefs in diminishing the physical and social vulnerability of the urban fabric and of individual buildings to storm surge flooding.

The School’s outreach arm, the Center for Urban and Community Design (CUCD) continues its two-decade-long journey of collaborating with local, regional, and national governments, NGOs, and community groups to enable faculty, student, and alumni endeavors in fostering resilient and sustainably-minded community designs worldwide. This year, it was awarded a grant by Dade Heritage Trust to complete a “resilience toolkit” for historic property owners interested in learning how to restore living shorelines to protect coastal communities from waves and storm surge, and plan to design and test the feasibility of installing a hybrid “green/grey” defense system—one that employs both natural and cement-based elements—off the coast of Miami Beach. This team is using the Rosenstiel School’s SUSTAIN facility to conduct experiments. Data produced from those experiments will be compared to data provided by The Nature Conservancy to comprehend the differences in their performance and in turn, utilize the data in a “human-centered computational model” created by the U-SoA-led sub team to evaluate the performance of enhanced reefs in diminishing the physical and social vulnerability of the urban fabric and of individual buildings to storm surge flooding.

LU_Lab Wood Innovations Grant.
Florida. The MRED+U Program is partnering with the Urban Land Institute’s South Florida and Caribbean District Council on a Business of Resiliency Workshop as part of a larger initiative spearheaded by ULI with AECOM for the Southeast Florida Regional Climate Change Compact. The MRED+U program will co-organize a facilitated workshop with leading real estate industry professionals addressing barriers and incentives to resilient development and current best practices while prioritizing public policy initiatives to promote resilient development.

Through its faculty and student endeavors, the School of Architecture has become a hemispheric leader in problem-driven and making-based research and learning (thinking and learning through making) while contributing solutions for urban resilience. U-SoA will continue to expand upon its longstanding efforts and with the breath of its faculty expertise, will provide students with emerging tools necessary to become the innovative thinkers, civic leaders, and game-changers of the future.
News Highlights
U-SoA C-U-C-D. PLAN FOR LEARNING CENTER PRESENTED TO HAWAIIAN PRESIDENT
A collaborative effort between U-SoA’s Center for Urban and Community Design (C-U-C-D) and the State University of New York (SUNY) was presented to Hawaiian President David Lass andMoe in Anchorage, Alaska. The plan for a 24-acre Sustainable Village and Learning Community (SVLC) was identified by the international development team at SUNY to follow the principles set forth by a 2004 C-U-C-D. research report highlighting opportunities for development in the region of Anchorage. Director John Leonetti, Director of the C-U-C-D, at the University of Miami School of Architecture led the design team, comprised of American and Hawaiian architects, engineers, and social scientists consultants from SUNY’s College of Environmental Science and Forestry in Syracuse, through various community engagement, workshops, and design charrettes, resulting in a master plan for the site. The project is focused on vocational training in a variety of trades, including healthcare, nursing, hospitality, applied technologies, and performing arts. President Moe offered the “unprecedented endorsement” of the project and urged the team to implement it as soon as possible. The project’s primary funder is the W.K. Kellogg Foundation.

U-SoA FORGES DISCUSSION ON REGIONAL URBAN AND ENVIRONMENTAL DESIGN IN WORKSHOP WITH WAGNER CREEK STUDY
This fall, the University of Miami School of Architecture faculty and students are addressing regional urban and environmental design problems for many years. A regional workshop on the site of Wagner Creek, led by TNC, engaged students in their pursuit of knowledge enhanced by field experience, solidifying first-hand the practical application of what was once theory, in their undergraduate studies. They are the pioneers of the New Urban Habitat Construction Management at U-SoA, the first to enroll in the program.

The workshop was described as a non-traditional and collaborative venue for women, the statistics are quickly changing. In the 2008 Review of Labor and Statistics, while the number of women in construction and architecture is slightly under 10% of the total workforce, the number of women has increased 80% in women-owned design firms and 20% in the past 30 years. Women are changing the workplace and pace in construction, providing much-needed diversity in the culture of the industry. They bring a new perspective in problem-solving and design.

Developing the built environment is an interdisciplinary task that requires knowledge and skills from a broad range of real estate development and public administration. The formation of an undergraduate degree in architecture, engineering, urban planning, and public administration, combined with the Master’s degrees in Real Estate Development (MRED) and Real Estate Management (MSEM) will increase career opportunities and opportunities in the built environment and includes more disciplines.

At U-SoA, four students, all women, have completed undergraduate degree in architecture, engineering, urban planning, and public administration.

U-SoA STUDENTS BUILD THEIR OWN FUTURES IN DESIGN AND CONSTRUCTION
At U-SoA, four students, all women, have completed their undergraduate degree in architecture, engineering, urban planning, and public administration. The degree is available to students with an emphasis in the following disciplines: Architecture, Civil Engineering, Environmental Engineering, and Construction Management.

The School of Architecture offers a culture of innovation unique to the region. The School is one of the most diverse departments in the city, offering a range of design programs at all levels of education.

The student work which TNC and U-SoA are working on is a small but significant step towards the collaborative efforts of the student community with Jackson Heights. This immediate project with Jackson Heights Solidarity Commission and partners with the Community

ON THE MOVE

Sonia R. Chao Continues to Lead Resilience
Sonia R. Chao, Research Associate Professor at U-SoA and Director of the U-SoA Center for Urban and Community Design (C-U-C-D), was invited by the City of Miami Beach and the 100 Resilient Cities Program (100RC) to be a member in their Resilience Academia Workshops as a Localian Spacker and Critic. The three-day workshops (August 6-8, 2018) focused on three site visits, with Chao collaborating on the Miami Beach project site. For the next step, the city will present the work to a larger community audience and collaborate with the city’s green-build team to work together on the proposals.

The goal of the exhibition was to share the success of Miami Beach’s development and U-SoA’s design trajectory.

On Thursday after a full morning of Finance Board, MREDU students joined other graduate students for a tour of Wynwood Walls, the brainchild of Larry and Charlotte Beineke and foundering member of the MREDU Advisory Board, whose development has been featured in the history and culture of the Wynwood neighborhood, under the direction of MREDU Advisory Board member, Jessica Goldman Srebnick, followed by a tour of the Miami Design District, another visionary project created by MREDU Advisory Board member Craig Roberts and now winner of the 2018 Miami Beach Design District Lifetime Achievement Award. That evening MREDU students graduated at Shulman Associates.

University of Miami School of Architecture supports its 2018-2019 Theme: [Magisicure]
Discussing MREDU’s role at a conference in Los Angeles, architect and activist Tom Van Sant, principal of Magisicure, said that MREDU was needed to address the concerns of the 21st century climate crisis. Magisicure employs a holistic approach to design, focusing on the relationship between the built environment and the human body.

Fall ‘18/Spring ’19 Technologie Lecture Series Line-up Technologie Lecture Series: IMPACT
The University of Miami School of Architecture announced its line-up for Fall 2018 and Spring 2019 Technologie Lecture Series, now on its fifth year at the University of Miami. The Technologie Lecture Series is a year-long program of lectures, interviews, and symposiums focused on a theme of particular relevance to the U-SoA community. The 2018-19 series is titled “IMPACT,” focusing on practices and work that have had a significant effect on the built environment, whether with large infrastructure projects or small but potentially transformative innovations.

The Technologie Lecture Series brings our students and the community in touch with the constellation of leaders and innovators shaping our world environment-wide. It is a place for these leaders and critical information and design inspiration.

The Technologie Lecture Series is named after Dr. Thomas P. Murphy, who stepped down as MREDU’s inaugural President in 2012 after a successful period as MREDU’s graduate program director. The first Technologie lecture was held at Technologie/*!**
The Right Angle Fund
Sponsors First Assignment for U-SOA Urbanists
U-SOA Students Research and Design for a Phuket Climate

A hot and sunny August day, a site visit to Op-Look, Phuket, provided urban design students a first-hand experience suggesting that, foremost in their plans for a new transit-oriented development, must be a response to the South Florida climate. The design of eight hundred housing units and commercial retail on fifteen acres, one block from a regional rail road station, is the first assignment of the introductory course in design studio at the University of Miami School of Architecture. Students visited Op-Look, to understand the location and character of the site to be developed, from a drone perspective and by the on-site tour. The Right Angle Fund, who funds the students’ goals for the project, for the students who hailed from around the U.S. and from as far away as China and Turkey, it was clear that design in housing in the subtropical conditions of South Florida needs to be different than traditional high rise tropical climate areas. Keir Street and public spaces could be designed housing design to minimize air conditioning needs and high priority in their design work. Students met with developer Angini and his associate Nelson Galdo in the Murphy Studio as well as on site to review the program, and then encouraged to be creative in considering the site and its components. After four weeks of material preparation, the presenters master plan, drawings, spatial ideas, and designs of public spaces. Reviewers at the final presentation in guided Randy Angini, Karl Nelson, Galdo, and Jamnia Zarrabzadeh of Right Angle Fund. The studio with a gift to the School, the presentation gave students comments on their project, and agreed that the work would be very instructive and useful as the Fund begins to address the development approval process.

The student projects ranged across a variety of building and cultural types. Carolina Dominguez presented perimeter block apartments in a building that concealed parking lots from the street levels, Chen Qiao presented a scheme of affordable mixed-use units based on the Asian shop house—individual small building units with internal courtyards, commercial ground floors and facing the street. All agreed that the student groups managed a complex assignment in a relatively short term with great success.

Lorenzo Kerzner, Fifth Year Miami student, Dean En-Hai Kho, President Frank and Chairman Ronald W. Gotham, Announced the fundamental gratitude and admiration for the students who participated, TIF-082 will tailor to the U-SOA community, and the immense diversity of personalities involved, a generosity of spirit. The Thomas P. Murphy Design Studio Building is a testament to the new work that can be achieved through collaboration, generosity, and vision.

Image Credit: Jennifer Abreu

The Seaside 2018 Annual Banquet, sponsored by the School of Architecture, multi-disciplinary group of 80 students, faculty and staff from the University of Miami traveled to the northeastern coast of Florida in May for three days of immersive-learning experience to see the urban and coastal settings designed with great care in resilience and sustainability.

The Seaside Annual Legacy event is highly regarded by residents, and professionals for its contribution to the community’s development as well as its influence on the visual and intellectual work in transformational urban design established at U-SOA. Faculty members from diverse professional and pedagogical backgrounds guided students from the Bachelor of Architecture, Master of Urban Design, Master of Architecture, and Master of Real Estate Development and Urbanism programs through sessions, tours and workshops with real estate stakeholders, architects and urban designers addressing issues like the Garrett Gaps development, as well as larger ecological and sociological concerns.

Image Credit: Waverly Wyld

U-SOA Broadsens Its Network in the Caribbean

The University of Miami School of Architecture expanded and strengthened its network in the Caribbean by creating new partnerships and launching initiatives with existing partners.

Dean DeMeio-Kho and Allies in Architecture, a regional practice, visited the three leading media and architectural firms of the Dominican Republic to pave the way for multiple forms of collaboration involving research, teaching, and preparing a graduate student participation and student exchange.

12th Annual Rome Program Golf Tournament Honors History 10-Year Anniversary of U-SOA in Rome
Another successful Rome Golf tournament was played by over 20 teams. Six sponsors, and Rome Golf Community members, accompanied by U-SOA staff, students, and alumni.

UM Pioneers the Next Frontier with Magic Leap
UM merges education through spatial computing.

Image Jennifer Abreu

Lars Lerup led 2019 Vietnam Seminar Visiting Professor at U-SOA. Lars Lerup led the Vietnam Seminar. "Using Architecture and Urbanism, using a historical example to understand current urbanization."

Photo credit: Miami in Focus

Smart Cities MIAMI 2019
U-SOA hosted its 3rd Symposium in partnership with the Center for Computation Sciences (UM-CSC), crime detection records, from (all (2) prior events, addressing the smart-city phenomenon in our current age with real-world applications, and in particular, its impact on government, industry, and the environment.

Keynote Speaker, Rory Aloise, of Magic Leap, discussed #megacoverse, the recent partnership with the University of Miami and how the city of Miami, as a community, will become the future of our city’s ways in identifying and solving issues through spatial computing in a variety of destinations: manufacturing, food, media, technology, and healthcare. Members of the conference separated into groups and discussed ideas that were later explored with panels sharing projects and ideas for smart and strategic local solutions to be implemented across local and global scales. The conference followed behind the projects using technology that will be used in the design.

This year’s conference launched with a keynote presentation from Galia Slavkovic, Smart Cities Solutions, a chance to bring ideas to life by technological solutions on #1 in transportation and traffic management.

U-SOA and UNPHU, Caribbean Urban Leadership Lab in Dominican Republic
A partnership between the schools of architecture at the University of Miami and the University of Puerto Rico in the Dominican Republic with the purpose of establishing design alternatives for the reconstruction of four of the most vulnerable and at-risk coastal cities in the history of the U-SOA, were presented by Diego Cabañes, Palomo, and Engelberg.

The Thomas P. Murphy Design Studio Building in The Miami Herald
The new architecture studio building at the University of Miami School of Architecture doesn’t scream “design,” but it has a unique architectural style that can be described as a great window and it was conceived by a went directly to a corner with a large outdoor terrace.
Student projects were highly engaged: 38% of all student symposiums included digital presentations, 16% included augmented reality, 9% included 3D printing, and 1% included virtual reality.

In addition to his commitment to teaching, Robert Coons is actively involved with the Department of Urban Planning and Development Policy and a member of the Greater Miami Chamber of Commerce and the Beacon Council.

The 8th Annual Real Estate Exchange Conference: Stay-Tuning-Place-Only “South Florida is the place to be for students to immerse themselves in all facets of the real estate industry,” said Dr. Charles Ruscitti.

On behalf of the entire MRED-U Academic Staff and our students, we extend a hearty thank you to John Sumberg, who has chaired our Advisory Board for the past two years. Under John’s leadership, the Advisory Board has expanded to 57 members representing all aspects of the real estate industry, including appraisers, developers, commercial development, financial analysts, brokers, leasing and brokerage, real estate, multi-family redevelopment, REITs, retail and transportation and more. John is a well-respected and seasoned advisory board member and a trusted advisor to the MRED-U Advisory Board. His extensive experience and knowledge in the real estate industry will continue to benefit the students of MRED-U.

The MRED-U Advisory Board events and activities will now continue to benefit from his ongoing tutelage and support. We look forward to celebrating the return of some of our favorite Advisory Board members, including John Sumberg, to be celebrated at the return of our MRED-U Advisory Board meetings this fall.

Thanks to all that helped make this a memorable achievement.

Kudos to all of our participating students and our sincerest gratitude to our alumni, partnerships, firms and sponsors.

A Successful 2019 Career Fair for U-SoA Students, Employers and Partners

U-SoA continues to gain momentum and its reputation continues to grow. This year’s accomplishments for 2019 include: 60 employers attended the fair, a record attendance of 700 people, and more than 100 student and alumni interviews. The 2019 Career Fair will take place on Thursday, April 18th, from 3:30 to 6:30 pm at the Miami Beach Convention Center. For more information, please visit u-soa.miami.edu/careerfair.

The University of Miami School of Architecture and School of Landscape Architecture are proud to present the 2019 Dean’s Lecture, which will be held on Friday, April 26th, at 6 pm in the Lummus Auditorium. The lecture will feature architect and educator Alain Caron, who will speak on the topic of “The Future of Architecture.”

The lecture is open to the public and admission is free. For more information, please visit u-soa.miami.edu/deanslecture.

Swiss Structures Open Competition 2019


The University of Miami School of Architecture and School of Landscape Architecture (SoA-LA) invite you to participate in the Swiss Structures Open Competition 2019. This competition is open to all students and professionals from around the world. The competition is divided into two categories: individual and team categories.

The competition will be held in two parts: the first part will be held online, and the second part will be held on-site at the University of Miami School of Architecture and School of Landscape Architecture in Miami, Florida.

Students who are interested in participating in the competition are encouraged to submit their proposals by the deadline of January 31st, 2019. The winners will be announced on February 15th, 2019.

The Swiss Structures Open Competition 2019 is an international competition that aims to promote the development of new and innovative structures and to encourage architecture students and professionals to think beyond the traditional boundaries of architecture.

The competition is open to all students and professionals from around the world, and the winner will receive a cash prize of CHF 10,000, as well as a scholarship to attend the 2019 Swiss Structures Symposium in Zürich, Switzerland.

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Pedagogy in Question Roundtable and Manifest Materialism and the Brazilian Architectural Educations

The University of Miami School of Architecture and School of Landscape Architecture are proud to present the 2019 Dean’s Lecture, which will be held on Friday, April 26th, at 6 pm in the Lummus Auditorium. The lecture will feature architect and educator Alain Caron, who will speak on the topic of “The Future of Architecture.”

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MRED+U Capstone Studio Investigates Sea Level Rise

As part of the Florida U.S.A. Summer Scholars Program at the University of Miami, a group of 22 students participated in the MRED+U capstone studio this summer. The studio focused on investigating the impacts of sea level rise across Florida, with an emphasis on coastal and floodplain management. The students worked on developing innovative design and engineering solutions to address the challenges posed by rising sea levels and flooding.

These students and their current projects include the following:

- **Le Lab Receives First Wood Award from the U.S. Forest Service**:
  - Description of the project and its significance.

- **Seaside Florida**:
  - Description of the project and its significance.

- **Seaside 2019**:
  - Description of the project and its significance.

- **UFI Fall Meeting in Washington, D.C.**:
  - Description of the event and its significance.

- **Philanthropic Giving**:
  - Description of the event and its significance.

- **U.S. Students and Alumni**:
  - Description of the event and its significance.

- **Opportunities for U.S. Students and Alumni**:
  - Description of the event and its significance.

- **Showcase at the University of Miami**:
  - Description of the event and its significance.

- **Open City Studio in Japan**:
  - Description of the event and its significance.

- **Trends in Sustainable Urban Development**:
  - Description of the event and its significance.

- **The Future of the University of Miami**:
  - Description of the event and its significance.

- **University of Miami School of Architecture**:
  - Description of the event and its significance.

- **U.S. Forestry Management**:
  - Description of the event and its significance.

- **UM in Mexico**:
  - Description of the event and its significance.

- **U.S. Students and Alumni**:
  - Description of the event and its significance.

- **Opportunities for U.S. Students and Alumni**:
  - Description of the event and its significance.

- **Showcase at the University of Miami**:
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- **U.S. Forestry Management**:
  - Description of the event and its significance.

- **UM in Mexico**:
  - Description of the event and its significance.

- **U.S. Students and Alumni**:
  - Description of the event and its significance.

- **Opportunities for U.S. Students and Alumni**:
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- **Showcase at the University of Miami**:
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dates back 175 years. Working throughout the year, the seniors will map the campus and assemble a list of necessary information used to begin the research and construction of the Architecture Design Studio Center on the campus.

The overall goals of the concentration taught this fall by Assistant Professor Adam Marinino and Elementary School Architect Vivian Chen, are to foster a lasting interest in architecture and design among students. The course will include architecture and design projects, as well as field trips and exercises to help students develop an understanding of the field of architecture.

At the end of the course, students will present their projects in an exhibition on the campus.

Fall Orientation: A Special Invitation to Everyone Involved

On Sunday, October 21, 2020-21 orientation kicked off with a special invitation to everyone involved: faculty, staff, and members of the community. The event was held in the library and reception area of the New Architecture Research Center.

New Architecture Research Center Provides More Space, Access

Renovations to the School of Architecture's new campus are underway, its footage offering students a new space to explore. The new building is home to the University of Miami School of Architecture students and faculty, and the University of Miami School of Architecture students are already using it.

The School of Architecture has several sections on campus, including the New Architecture Research Center, which opened in September. The space is designed to accommodate the growing number of students.

The library was not conducive to lingering. Housed in a 1947 building, the library is not designed to be a public space. It is limited to students and faculty, who are required to use the space for their own research.

The building is not designed for public use. Instead, the library is designed to be a private space for students and faculty. In the future, the library will be expanded to accommodate more students and faculty.

Applications NOW OPEN for FALL 2020 Graduate Programs

Turn your plans into action by applying to our Graduate Programs at U-SoA.

Applications are now being accepted for the FALL 2020 Graduate Programs.

More details can be found on the U-SoA website: www.ums.ac/graduate-

programmes.

Havana 500 Celebrates Architecture, Urbanism, and a Moment Current

Havana 500, a two-day conference held at the University of Miami School of Architecture, is in its fourth year and is organized by the Architecture Research Institute and Associate Professor Sonia Choi, who is currently the co-chair of the conference.

The conference focuses on the current state of architectural research and education in Cuba and is attended by a diverse group of people from around the world.

The conference is organized by the Architecture Research Institute and is a joint initiative of the University of Miami and the Cuban Heritage Collection (CHC). The conference is sponsored by the University of Miami (UM) and the Cuban Heritage Collection (CHC). The conference is also supported by the University of Miami (UM) and the Cuban Heritage Collection (CHC).

Havana 500 is a two-day conference that focuses on architecture and urbanism in the context of Cuba and the Caribbean. The conference is held in Havana, Cuba, and is sponsored by the University of Miami (UM) and the Cuban Heritage Collection (CHC). The conference is also supported by the University of Miami (UM) and the Cuban Heritage Collection (CHC).

The conference is organized by the Architecture Research Institute and is a joint initiative of the University of Miami and the Cuban Heritage Collection (CHC). The conference is also supported by the University of Miami (UM) and the Cuban Heritage Collection (CHC). The conference is also supported by the University of Miami (UM) and the Cuban Heritage Collection (CHC).
APT-U-SoA Committed to Preserving Historic Landscape

Miami Conference Probes Best Technology

Historic Preservation has always been at the center of discourse during student leadership and the environment at U-SoA. U-SoA Faculty Sonia Ochoa, Carmen L. Guerrero, Jorge L. Hernandez, Jean-Francois Lejune, Diana Lopez and Caris M. Penabdul participated in the recent AIP Miami Conference, that took place in the port city of Miami (Nov 19-23). Understandably, Miami provides an exemplary laboratory for contemporary preservation and adaptive reuse strategies, including preparation of modern architecture and the sustainability of historic preservation as community planning.

The conference hosted ongoing sessions, workshops and a symposium, delving into the most pressing issues affecting 21st century preservation and conservation, with conference themes of: Effects of Climate Change in Warm Weather Coastal Regions, Sustainability and Conservation of Built Heritage in the Americas, Conservation of Modern and Post-Modern Heritage and Diversity, Population Change, and Geoinformatization in the Preservation Dialogue.

Sonia Ochoa, Research Associate Professor at U-SoA (U-SoA), participated as a Track Leader in the Climate and the Environment stream, and served as a session moderator focused on historic preservation and Resilience Case Studies in Warm Weather Regions.

Carmen L. Guerrero, Associate Dean of Strategic Initiatives & Physical Planning and Director of the Bona Program (U-SoA), was a Track Leader in the Conservation of Modern and Post-Modern Heritage Across the Americas, and was also tasked with the session focused on Concrete & Brutalism which included students Michael Schuler, Eyan Solerón, Virginia Rives Sosa, Guadalupe Fernandez and Daniela R. Wernicke.

Jorge L. Hernandez, Professor (U-SoA), and Associate Professor (U-SoA) led a tour of the University of Miami campus buildings of modern heritage and served as a Track Leader for Track Season 2 Manzy, Sustainability and Conservation of Built Heritage in the Americas. This session focused on: special challenges of modern coastal heritage sites in the era of climate change, their global tourism, the impact of large masses of coastal development on local coupled with heavily visited coastal sites.

Jean-Francois Lejune, Professor (U-SoA), was involved in preparation of the conference and helped set the parameters of reviewing the Modern, one of the conference tracks. Along with Carmen L. Guerrero, he organized the Call for Papers and made the final selection of the papers. Lejune coordinated the Pre-Lecture Session Concerning the Modern City, which included international participants, Carolina Adriano Comas (Brisia), Pablo Guadix (Arquitectura), Dina Pequerio (Santo Domingo), and Fanis El-Dahdah (University of Miami).


CSA-4 and Miami Art Deco District, chaired by Angy Ayón.

At the conference, U-SoA’s Spring 2018 MARS (Miami Architecture Studies: The American Buildings Survey) students were invited to participate in the exhibition at the Library of Congress in the Conservation and National Park Service, Athemeum of Philadelphia, and the National Institute of Architecture. Their measured drawings of the Casino won First Place in the competition for the 2019 Pritzker Prize. These U-SoA students (Sydney Matsumoto, Andrew Schneider and Kyran Williams) were in attendance and had an opportunity to address the audience before the evening keynote speaker.

This is the third time U-SoA students won a Pritzker Prize. And the first time they take the top prize. Their drawings were also on exhibit in the courtyards at Vitucia.

To watch the APT 2019 Miami Slides Reiv, visit: https://www.hype4.com/ watch?v=H3eOL8DL0w

Riding Tide + DesignMiami

Probes Coastal Resilience

In May 2019, 14 graduates participated in Rising University of Miami’s interdisciplinary master’s program, “Coastal Resilience at Design,” which is designed to help change the way we think about resilience, and how we can relate and reinforce resilience in our built and natural settings. The results are driven by the need to consider the environmental, social, and cultural vulnerabilities at the scale of buildings, the results can also be applied to provide service owners with new strategies and outcomes, and how which can in aid of changing our understanding of resilience investments. This modeling accounts for wave action, sea level rise, and tidal flooding to better understand and build assets at any given local scale.

This panel moderator for the discussion was Paul Keselis. Content Director for Architect.

ULI Mines Competition Vision Awards

Thanks to the generosity of U-SoA students, members, over 80 MRED-U students participated in the ULI Vision Awards event. For many students, it was a first opportunity to network with U-SoA’s students, alums and leaders in sectors covering development, capital markets, architecture, land use planning, and design, and legal sectors. Advisory Board Chair and Miami Beach Mayor Dan Gelber (City of Miami Beach) and Graziano of Integra Realty Resources, the competition’s Honorary Sponsors, and guests at the event also moderated the judging. The students were also tasked with presenting an analysis of the projects, which is something that the students are well versed in.

Three students were awarded the ULI Vision Award for their work on “A Resilient Community” and “A Resilient City” for their vision for a resilient community and city. ULI is a leader in the planning and development of the world’s communities. The award recognizes the top student in South Florida who has significantly shaped their community and changed the city. Five students were asked to submit projects for their vision for a resiliency future. The annual ULI Vision Award is a collaborative project between the University of Miami and University of Miami, School of Architecture, and the University of Miami, School of Business.

MRED-U Moves to Miami River for Last Site Visit of the Semester

In November, MRED-U students headed to the Miami River to meet with Adjunct Professor, Board Member Lissette Calzadon and her recently completed (October) Pier 10, Lissette, a Miami native and first-generation student from the University of Miami, School of Architecture and Business. Students learned about her passion in real estate inspired by her father Lissette started as an analyst for a commercial real estate manager at flatted Group but quickly embarked on her own creating a brand of apartments under her own company, Lissette Real Estate, which is now under development. The students also learned about her passion in real estate inspired by her father Lissette started as an analyst for a commercial real estate manager at flatted Group but quickly embarked on her own creating a brand of apartments under her own company, Lissette Real Estate, which is now under development.

Buckhead City Centre Comes to Life in the Classroom

In November, MRED-U program welcomed Advisory Board member Kenner Bowen, President of Swive Properties, into the classroom. Kenner’s inaugural speech was followed by a presentation on Swive’s mission to become the leading sustainable development partner in the industry globally by 2030 was riveting. He used the design, construction, and management of Buckhead City Centre as a new study on Swive’s plans to achieve its goals.

BCC has many unique characteristics including the climate resilient design, parking, and the strategic placement of top of the transport mode. The climate ribbon is a dynamic artistic element connecting all of BCC and spanning over three city blocks. Underground parking is sunny in East Florida due to the low elevation above sea level, but it was key to the project for many reasons including visual design and the project’s demand for resilience against natural hazards. The project was designed with a focus on the project’s demand for resilience against natural hazards. The project was designed with a focus on the project’s demand for resilience against natural hazards.

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Faculty, Student and Alumni Highlights
John Lawrene received his Master of Architecture degree from the Harvard Graduate School of Design. Before joining U-SoA, he was Assistant Professor of Architectural Design and Theory at Bournemouth University. His research interests are in the fields of building practice, understanding in emerging meaning and methods. More specifically, his work critically explores the forms and methods of building practice, focusing on the relationships between building practice and architectural theory. Through an analysis of building practice, he is interested in the ways in which building practice is shaped by the broader social, economic and political contexts in which it operates.

Joel established the design practice GDB in 2006, with fellow designer Cynthia Guglielmi, as a committed to urban architectural projects in the broader architectural context, which confront the middle ground between full-scale buildings and pure research.

Christopher Meyer received his Bachelor of Architecture from the Fay Jones School of Architecture + Design and earned his Master of Architecture from the University of Oklahoma. He has held various positions at the University of Oklahoma School of Architecture and has worked on a number of projects that explore the relationship between urban form and social and political agency in black communities. His research focuses on the intersection of architectural and social theory, with a particular interest in the role of architecture in shaping the built environment.

Laurence Miao is a practicing architect based in Beijing, China. She received her formal education at ETH Zurich, where she also taught as a teaching assistant. She has also worked at Herzog & de Meuron, where she was in charge of the construction of the new headquarters of the University of Ulm in Ulm, Germany. She has a strong background in digital fabrication techniques and is currently involved in designing and building award-winning projects worldwide.

Mary Keating is a faculty member of the University of Illinois at Chicago. She received her Bachelor of Architecture from the University of Illinois at Urbana-Champaign, where she earned her Master of Architecture. She has also worked as an architect in Chicago, where she has designed a number of award-winning projects.

Ferenc Seiler is also a founding partner of Sauter Von Moos + Partner. He is a key member of the team responsible for the design of many of the firm’s projects in Europe and the USA. He has a particular interest in the relationship between architecture and the urban environment, and has worked on a number of projects that explore the role of architecture in shaping the built environment.

James Corcoran is an associate professor of Architecture at the University of Illinois at Chicago. He received his Master of Architecture from the University of Illinois at Urbana-Champaign, where he also taught as a teaching assistant. He has also worked as an architect in Chicago, where he has designed a number of award-winning projects.


New Edited Volume of ‘Transformations in Classical Architecture’

U-SoA Lecturer, Victor Depui, has just published a new edited volume, Transformations in Classical Architecture: New Directions in Research and Practice, which was published by Oscar Neele Publishing in 2018. The book explores how classical and traditional architecture are evolving in relation to new paradigms of research and practice. It also examines the role of digital fabrication, sustainability, ecology, and emerging technologies in shaping the future of the discipline.

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Third Time’s the Charm for Jaime Correa
For the third time, ACT OF MAPPING featured the work of U-SoA’s Jaime Correa, Associate Professor in Practice. DL-Publishing Digital. Congratulations to Professor Correa for achieving this accomplishment, (a third time), in less than two years!

U-SoA’s Professor Sonia Chao, continues to Lead on Solutions to Climate Change and Energy Security
Sonia Chao, Director, of the University of Southern California (USC) Department of Architecture and Urban Design, has been recognized by the British Society of Architecture with the 2018 BSA Design Award in the Most Innovative project category for her work on the self-sustaining, solar-powered Wine Bar & Café project. Congratulations to our U-SoA family.

Chair of U-SoA Advisory Board receives Award of Excellence
Awards of Excellence to Architecture for the Built Environment, AIA, have been presented to 50,000 architects each year since 1998. Head of the Year Award was presented to John Carritt, Dean Emeritus of the College of Architecture and Planning at the University of Michigan. Congratulations to Professor Carritt, who has been a leader in the architecture field.

REED+U Board Member Honored by Augustana College
REED+U Board Member Dr. David K. Martin, Associate Professor of Architecture and Urban Design, was honored by Augustana College for his contributions to the field of architecture.

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published book, "Making Marks, Architect’s Sketchbooks" by Thomas and Hudson. "While digital technologies have pulsed the boundaries of architectural conception, creating an original and appropriate design is challenging as it has always been. As this book shows, however, a recent return to the basic art of putting pen or pencil to paper has propelled some of the most successful buildings of the past decade. Making Marks follows the highly successful Architects Sketchbooks, which presented the breadth of sketches created by contemporary architects post digital revolution. Twisting a bed-paid perspective on the sixty renowned architects whose work is collected here, show how drawing and new forms of manual presentation have been refined since the reawakening of this basic technique. Revealing various hand-drawing still matters, this global survey presents the freehand drawings, vibrant watercolors, and striking impressions of a broad and eclectic array of rising talents and well-established names, including Jun Igarashi, Deborort Swiatt, Daniel Libeskind, Meg Graham, and Brian Mackay- Lynn, to name a few. Author Will Jones’s introduction reviews the importance of the sketchbook as a tool for the creative process. Spawning diverse approaches across a range of positive forms, Making Marks is not merely a compilation of the preoccupations and styloistics of contemporary practice, but a variant that is less an appreciation than an architectural creativity.

Three Public Squares by Roberto Behar & Rosario Marquardt: R & R Studios: The multifaceted offices of U-SoA Prof. Roberto Behar and partner Rosario Marquardt, R & R Studios is completing three public spaces in Seattle, WA, Mesa, AZ and San Juan, PR. Each of the unique public spaces is conceived simultaneously as a place of encounter and landholder. Through an innovative approach in public architecture, the projects are creating a new metro and light rail stations and integrate art, design, architecture, and landscape as a total work of art. In Seattle, the Seattle Streetcar is an annual event that showcased the work of artists throughout the Northwest United States over a competitive runway period. Joachim’s work entitled "Touchy, Smelly" was selected as one of the entries. Digital fabricated forms were made with the various visual, olfactory, and textural sensory images of popular and the general Service Administration. The unique aspects of the project illustrate a new generation of digital drawings by Roberto and Rosario based on their earlier Handmade Assemblage drawings. The collection of drawings is to be presented in an upcoming monograph on their way. To introduce the theme, photographs introduce the broad elements of two of the projects under construction in metal shops in Seattle, WA and Phoenix, AZ. R & R Studios started a program to resist the privatization of the public realm and reclaim, enhance and develop the public spaces of the city to contribute to architecture the quality of life and beauty of places.

Joachim Perez in "ArtFields 2019": The Joachim Perez participated in ArtFields 2019. Taking place in the South Carolina town of ArtFields was an annual event that showcased the work of artists from across the United States over a competitive runway period. Joachim’s work entitled "Touchy, Smelly" was selected as one of the entries. Digitally fabricated forms were made with the various visual, olfactory, and textural sensory images of popular and the general Service Administration. The unique aspects of the project illustrate a new generation of digital drawings by Roberto and Rosario based on their earlier Handmade Assemblage drawings. The collection of drawings is to be presented in an upcoming monograph on their way. To introduce the theme, photographs introduce the broad elements of two of the projects under construction in metal shops in Seattle, WA and Phoenix, AZ. R & R Studios started a program to resist the privatization of the public realm and reclaim, enhance and develop the public spaces of the city to contribute to architecture the quality of life and beauty of places.

Department of Architecture Award: Faculty receives international architecture Award Faculty Awarded for "Constructive Contradictions: House in Rotterdam" U-SoA faculty, Patrick Reuter of Patrick Reuter Architecture, along with Studio Luka Reberl (Schiedam) received the International Architecture Award for 2019 for Constructive Contradictions: House in Rotterdam. The International Architecture Awards are the highest and most prestigious distinguished building awards program that honor new and cutting-edge design worldwide. This annual program also promotes international architecture and design to a public audience globally. On September 11, the two institutions that organized the program, the Chicago Athenaeum, together with the European Centre for Architecture Art Design and Urban Studies, will hold a special exhibition and reception of all awarded buildings during an annual symposium, "The City and the World." Congratulations to Professor Reuter on this remarkable distinction!

Provincetown Award for Scholarly Activity to Prof. Allan Shulman Professor Allan Shulman was honored with a Provost’s Award for Scholarly Activity in Architecture. The University of Miami attracts and retains exceptional faculty who are leaders in their disciplines, and they are recognized by programs such as the Provost’s Award for Scholarly Activity. The Distinguished Faculty Scholar Award, and the University Division of Research and Innovation. Congratulations to Professor Shulman.

Professor Brilliant Makes the Cover of Architectural Record: Designed for owners Mark and Kali Murfin, "Our House" was featured on the cover of Architectural Record, and on a spread in the December issue above of dwell Located on Estoril’s wild Atlantic coastline on a cliff overlooking a private beach, this 700 sqft of exterior is a sea-cout and surfing board shed by the experimental Hatch House (Jack HILL, RIBA) on Cascais’s Natural Seashore, the project is a combination of volumes and outdoor decks that were designed to dissolve within the landscape. The full article will be online soon or pick us up the real thing at newsstands soon.

Article by Avery Vinay Sanchez. Photo: Pippa Diammond

Proctor Loanje @ TU Delft: Prof. Proctor Loanje was interviewed on "The Future of Architecture" on April 6th and featured in Respiropeep, Berlin’s most prominent newspaper.

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UM Participates in Colombia’s 36th Annual Architecture and Urbanism Congress: Dean Rodolfo de Alhory, President of the Architecture and Urbanism Congress, was invited by The Colombian Society of Architecture to participate in their 36 Annual Architecture and Urbanism Congress held in Barranquilla, on September 12-13, 2019.

The theme of this year’s congress was "Architecture and Urbanism as a means of changing the identity of a country. Architecture can help identify a country’s history and culture, and present a collaborative vision for the future." To that end, the conference gathered the main forces of the architectural and urban development scene in a single space. The event assembled more than 1,000 professionals and students from the region and beyond, who were assigned to 15 themed working groups, each dedicated to a particular area of the field.

The conference featured a series of keynote speeches by influential architects and urban planners from around the world, who shared their insights and experiences on the role of architecture and urbanism in shaping the future of societies. The sessions covered a wide range of topics, including sustainability, urban design, and social justice, and featured presentations by leading practitioners and researchers from various disciplines.

One of the highlights of the event was a panel discussion on the role of architecture in responding to climate change. The panelists explored how architects and urban designers can integrate climate resilience strategies into their work, and what challenges and opportunities lie ahead in this area.

Another important aspect of the conference was the focus on the role of architecture and urbanism in promoting social equity and inclusivity. The sessions addressed issues such as affordable housing, public space design, and community engagement, and highlighted the importance of creating environments that are accessible and welcoming to all.

Overall, the 36th Annual Architecture and Urbanism Congress was a comprehensive and thought-provoking event that provided valuable insights into the future of the field and its role in shaping the built environment. The conference was a testament to the power of architecture and urbanism as forces for positive change, and it underscored the importance of collaboration and interdisciplinary approaches in creating sustainable and equitable communities.

The Colombian Society of Architecture is a respected professional organization that promotes the advancement of architecture and urbanism in Colombia and beyond. The society has a long history of organizing conferences and events that bring together architects, urban planners, and related professionals to share knowledge and ideas, and to address the challenges facing the field.

The 36th Annual Architecture and Urbanism Congress was held in Barranquilla, Colombia, on September 12-13, 2019. The event attracted more than 1,000 participants from around the world, who engaged in a series of sessions and discussions that covered a wide range of topics related to the future of architecture and urbanism.
In Latin America, complete with the inclusion of architecture projects for infrastructure and the public realm. In addition to U-SOA’s participation in Colombia’s national architectural forum being a first of its kind, it is also part of strategic efforts to enhance presence and opportunities for collaboration in Latin America.

U-SOA Honored with 2019 Graham Foundation Grant for Professors Depuy and Leasure’s “Cuban Modernism.” With the announcement of awarding 54 new grants, the Graham Foundation’s awards—winning projects and innovative ideas continue to provide a solid foundation for emerging and existing architects, artists, curators, filmmakers, writers, scholars, and more to pursue unprecedented territory in the world of architecture.

The new grants joins a worldwide network of individuals and organizations supported by the Graham Foundation over the past 63 years. Within that time, the Foundation has awarded more than 4,600 grants in its role as one of the most significant funders in the field of architecture.

Victor Despi (co-editor, with former student Leonel Shakes) shares, “We are honored to be a part of this project and dedicate it to the generation of modern Cuban architects and their students who have been so supportive throughout the process.”

Dean el-Khoury: Talks Technology with Harvard GSD Dean el-Khoury talks technology with Harvard GSD Dean el-Khoury talks technology with Harvard GSD, highlighting his vision for advancing the use of technology in architecture and design.

VICTOR DEspi Lectures on “Three Pioneers of Cuban Modernism.” As part of the one-day symposium titled “From Neoclassical to Modern: Cuban Architecture from the 1920s to the 1950s,” Victor Despi provided a lecture on “Three Pioneers of Cuban Modernism: Eugenio Balaguer, Roberto de Céspedes, and Victor Morales.”

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Peter Zumthor’s 120-year-old building in Switzerland inspires architects. The Wooden School of Architecture on the outskirts of Chur, Switzerland, is a testament to the innovative and pioneering approach to education and architecture.

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A researcher at Università di Pavia and a playwright.

To read more, visit: https://news.miami.edu/sao-now/read-
money-and-studies-work-in-
public-art.html

Joel Lamer Presents Lost House @ACADIA
Assistant Professor Joel Lamer presented the project Lost House at the Association for Computer Aided Design in Architecture (ACADIA) conference in late October. The project, a temporary installation cited in Boston during 2016-2019, was designed, fabricated, and installed through his practice QLO; a collaboration with U-SEA faculty member Cynthia Gunadi. Professor Lamer presented the work in three simultaneous guises: reflecting the complex mix of audiences that Architecture must always address. Lost House is at once about disciplinary formal interests, inhabitable social injustices, and innovative digital fabrication techniques. The computational research, of particular interest to the ACADIA audience, focused on hybridizing off-the-shelf dimensional lumber with parametrically-defined nodes to transform ubiquitous light wood framing systems. For its accomplishments, ACADIA, the premier conference for computational design in architecture, recognized Lost House as runner-up in the 2019 Autodesk Emerging Research Awards Projects category, ranking it in the top five among the hundreds of peer-reviewed submissions to this year’s conference.

R&R Studios’ Work in PUBLIC
ART (China)
Works by U-SEA Professor Bahar and his partner Rosario Mariquardt drive continued efforts for cultural exchange with China. The Emotional Monuments of Roberto Bahar and Rosario Mariquardt was published in PUBLIC ART, one of the premier art magazines in China, related to the Shanghai Academy of Arts.

R&R Studios’ work is based on a critique of the built environment and the way it impacts everyday life. The aim of their practice is to reclaim, enhance and develop the public dimension of the city. They revisit the privatization of public space and seek to produce a public architecture that emphasizes the communal and civic dimension of life. Roberto & Rosario understand their practice as experiments in public space that might embed the construction of the city with new meaning and emotion. R & R STUDIOS weaves together visual arts, architecture, design and the city. Texts, drawings, models, installations and architectural projects are all part of a web of interconnected ideas that feed into each other proposing encounters of stories and spaces, which alternate between the political and the poetic, the quotidian and the fantastic, the real and the utopian. The project of the studio is simple: to aim to produce artworks for the pursuit of public pleasure for all, social monuments that erode boundaries between art and life suggesting “imaginary solutions” for a better world.

Text by Teresa Vila, PhD. Teresa Vila completed her Ph.D. at Università di Modena e Reggio Emilia, Italy. She’s

Victor Daupl presenta “Emilio Sanchez en México”
Victor Daupl presented a paper titled “Emilio Sanchez en México” on November 1 at the Homenaje a Felipe Cossio del Pomar, celebrating the 80th year of the founding of the Escuela de Bellas Artes in San Miguel de Allende, the Basque of Latin America, in 1937. Two weeks later, he presented a paper at the University of Virginia titled “Emilio Sanchez: A Cavalier in New York and the Caribbean” on November 15 at the symposium in honor of the architectural historian Richard Guy Wilson titled Architectural History: At the University of Virginia. Victor’s forthcoming book Emilio Sanchez in New York and Latin America (Routledge, 2020) explores the early life and work of the Cuban American artist who


FACULTY Highlights
Yes, I’ve always been interested in fashion and art, and my desire to combine both interests and have my own brand, have always been a dream of mine. Since childhood, my parents have given me a great opportunity. I got my first offer at a fashion gallery show when I was in elementary school. Moving to Miami and experiencing the endless possibilities inspired me. I decided to pursue designing and became interested in the art market. I started designing and selling my products in local art fairs. I also hired a professional photographer to take pictures of my designs and post them on social media. Over time, my brand started gaining popularity.

Although everyone around me loved my brand and designs, I decided to learn more about fashion business. I took courses and attended workshops to improve my skills. I also started collaborating with other designers and brands to expand my reach.

Now that I have my own brand, I want to continue developing my collections and branching out into other areas of fashion. My goal is to create a line of clothing that is not only fashionable but also sustainable. I believe that fashion should be a force for good and that we can make a positive impact through our clothing choices.

In the future, I hope to open a retail store in Miami and expand my brand internationally. I also plan to launch a line of accessories and home decor to complement my clothing. Overall, I am very excited about the future of my brand and I am looking forward to seeing where it will take me.

Viewing History from the Inside Out

David Partners, 43rd Street and Avenue of the Americas, New York, New York

The USGBC attends Living Building Challenge in Atlanta
The US Green Building Council, Student Council attended the Living Building Challenge Conference in Atlanta, Georgia, where they learned about the new green building practices for the subtopics.

Featured above (from left to right): Michelle Topel, Niala Lissay, Martin Erickson, and Niall Borad

Thank you to the inspirational Faculty Members for their guidance. Architecture & Urban Design, Elizabeth Filer-Zybierk, Josephine Lorentz, Sarah Denari, Denise Voschan, Real Estate Development + Urbanism, Chuck Bolden, Mark Troian; Business School, Alex Morcette

Photo: 2019 HiRes Competitors

M Arch Student Competes and Wins at the 2019 HiRes Thesis Competition

M Arch student, Konstantina Kitsonaki (formerly Konstantinidis) attended the 2019 HiRes Thesis Competition.

Photo: 2019 HiRes Competitors

UIC HiRes Competition

The UIC HiRes Student Competition Elective is an intensive charrette. Working days, over the course of two-week competition period (January 14 – 28), students developed and produced a comprehensive UIC HiRes submission for an integrated urban design and development proposal for a large-scale, urban site with representation of design, as well as marketing, and financial projections.

The faculty members structured the competition through a series of information sessions and workshops with invited experts. The primary goal was for students to develop a comprehensive plan of public space amenities and services and as an understanding of the process involved in developing a proposal in its entirety, and representing the proposal as a series of a formal urban project and effective investment opportunity.

Each team is required to have 5 members, with at least 3 disciplines represented on the team – ideally: Urban Design; M Real Estate Development + Urbanism; M Business Administration + Urbanism; Architecture I B, Architecture (5th year).

Congrats to UIC-SGA team members, Lorena Arrieta, Christian Godinez,🚇 and Brian Mattoccia, Jessica Taylor who received a honorable mention out of a hundred teams across the country. Check out their submission, here.

Thank you to the inspirational Faculty Members for their guidance. Architecture & Urban Design, Elizabeth Filer-Zybierk, Josephine Lorentz, Sarah Denari, Denise Voschan, Real Estate Development + Urbanism, Chuck Bolden, Mark Troian; Business School, Alex Morcette

Photo: 2019 HiRes Competitors

UIC-SGA students collaborate with McCoord

UIC-SGA is excited to partner with the University of Miami School of Architecture to host the design-build project for a Health & Wellbeing Center at the University of Miami Park in north Houston.

photo: jarod tiles photographer

UIC-SGA’s Agammedo Chapter Hosts Alphito Chi, a designer and visual artist from towson Maryland to launch Dog Shelter

The Agammedo Chapter of Alpha XiDl is pleased to have hosted Alphito Chi, a designer and visual artist from Towson, Maryland to launch Dog Shelter in Homestead, Florida. The USGBC organization donated and built several obstacle courses and a storage unit for the shelter. Alphito Chi, members of Alpha XiDl, are currently working on projects that will help other animal shelters in the area.

Student Team Takes Charles E. Peterson Award in Viscaya Casino Project

The Viscaya Casino Project is an annual competition that tests the creativity and design skills of architecture students. The project involves designing a casino and entertainment complex that is both functional and visually appealing. This year, the competition received over 300 entries from architecture students across the country.

The winning team, led by Charles E. Peterson, was able to come up with a design that was both innovative and practical. The team used sustainable materials and incorporated elements of nature into their design, creating a seamless blend between the building and its surroundings. The project was well-received by the judges, who were impressed by the team’s ability to create a design that was not only functional but also aesthetically pleasing.

The Viscaya Casino Project is a great opportunity for architecture students to showcase their talents and gain valuable experience in the field. It is also a great way for students to network with professionals in the industry and learn about the latest trends and technologies in architecture. Overall, the Viscaya Casino Project is an excellent opportunity for students to develop their skills and gain real-world experience.
US to pursue her Fine Arts degree. This studio enabled her to obtain a new understanding of the discipline. Leilani Travis (3rd year Fine Arts grad) focused on Pleasure’s Form. Her thesis revolves around the interaction in materials. Tyler Meyer (4th year Fine Arts grad) works in Art and Urbanism) learned more about the interaction of Architecture and Art, and how the two can create synergy. Tyler shared, “Sculpting glassworking and glass making is an enriching experience. The most interesting part is the ability to bring the two worlds together and speak to everyone.” Gino LI (undergrad) created an exquisite project of mosaic art, dealing with full-time jobs and advanced technology. The Magic City Innovation District Foundation has been established to preserve the character and culture of Little Hall to support local arts organizations, small business owners, and artists. The opening event was meant to show signs of hope and sleek excellence.

The Ciel Glass Process studio will be available every fall at U-SoA.

Fall 2019 Commencement Celebrations includes to Allen School, the U-SoA graduates and their families, Chenwei Zhao, Ebrahim Farah Allah, Elise Lonn, Philip Linoumi, Karim Fayazi, Ali Toly Gholizadeh, Xuan Martinez-Delgado, Eli Stephen Phan, Chao Yang, Alexandra Emily Altman, Alicka Oludaramo Suyish, Sasha Thiesl Kavali, Francisco Jose Mosa, Mitchell Ian Monroe, Shaun McManus, Jonathan Onda Oviedo, Camilo Pinzon Acevedo, Reynaldo Andres Vivas Pineiro, Eleanor Ruth Williams, Ivanina Jimenez, Jesus Perez, Lorena Sarria and Soledad Sancana.

STUDENT HIGHLIGHTS //

U-SoA Alumni Tony Garcia and Irene Beza complete Textile Design.

Tony Garcia, a former U-SoA alum, completed the Textile Design program in Austin, TX. Tony graduated from the University of Texas at Austin, where he received his education with an emphasis on beautiful fabric, as the foundation for his current tactical urban design work. The project manager and designer was another alum, Irene Beza.

New Urbanism in Poland

The President’s Lecture Series of 2019 included New Urbanism in Poland by Joseph L. P. Neufeld, who was the founder of the Polaka Institute in Warsaw, Poland. Dr. Neufeld has been involved in many projects in Poland, including the development of the city of Lodz. He has also been involved in many projects in other countries, including the development of the city of Wroclaw. Dr. Neufeld is a leading figure in the field of urban design and planning.

Rome students MaxxI

The Rome campus was one of the most popular locations for U-SoA students in Spring 2019. The students studied the ancient city of Rome and were exposed to some of the most iconic structures and landmarks. The students were able to experience the history and culture of Rome firsthand.

The final design studio for the semester was led by James Gama. The studio explored the concept of a reimagining of the ancient Roman city of Rome, which Flurinack called “the refuge for all Romans.”

The same neighborhood has been historically the final destination for Christian pilgrims.

The proposal, inspired by the work of Italian firms Superstudio and Archizoom, included new coastal public spaces and both public and private buildings. He reinterpreted the ancient marvel of the city of Rome and proposed that he could build it again. Hereinafter, the students were involved in the Planning of the city of Rome, spent a year living in the city of Rome, and learned how to plan and design cities. He researched documents in the New Urbanism at the School of Architecture, and traveled the city of Rome, and described the culture of New Urbanism’s annual meeting.

Visit Critic Fall 2019

Visiting critic for Fall 2019 was the Architectural Association Visiting critic Mark Ferguson from the Architectural Association. Mark Ferguson will join the U-SoA in the Spring of 2020.

2019 Homecoming BBQ, E’town/Dinah’s

This year’s Homecoming BBQ enjoyed a record, sold-out attendance with more than 270 guests. Alumni, families, students and staff enjoyed a delicious lunch, as well as the firework-sky in the U-SoA courtyard. Many thanks to our generous sponsors: Southern Goose Wine and Spirits.

Photo: Jennifer Abreu

A Kaan Sense

U-SoA Alumni: Wesley Kaan, principal Kaan Landscape Architects and Dima Mami, a Miami-based landscape and design firm who tells his own story through his projects. Kaan and his partner, Sean Gable, have a unique approach to design, reconnecting people with nature.

New Traditional Architecture

New Traditional Architecture is a movement that has emerged in recent years, with a focus on the revival of traditional architectural principles and techniques. The movement emphasizes sustainability, craftsmanship, and a deep understanding of cultural heritage. New Traditional Architecture practitioners are often interested in creating buildings that are in harmony with their surroundings and that contribute to the well-being of communities. They often work with natural materials and traditional building methods, aiming to create spaces that are both aesthetically pleasing and functional. This approach to design is not only about creating beautiful buildings but also about preserving cultural identity and promoting social cohesion. New Traditional Architecture practitioners are known for their commitment to sustainability, as they strive to minimize the environmental impact of their projects. They often collaborate with local communities to ensure that the designs are culturally relevant and responsive to the needs of the people who will occupy and use the spaces they create.

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US-based landscape and design firm Kaan Landscape Architects and Dima Mami, a Miami-based landscape and design firm, tell their own story through their projects. Kaan and his partner, Sean Gable, have a unique approach to design, reconnecting people with nature.

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Andrew Aquart and Isaac Stein Win National Championship
Joanna Lombardi and U-Link Team Lead Climate Design Lab 2019
University of Miami School of Architecture, The Miami Institute, Miami-Dade County, Public Schools, and the CLEO Institute, recently collaborated on the second year of the Climate Design Lab. The three-week program engaged 19 high school students (six older) in a competition to research, design, and develop forward-thinking solutions to climate change. Leading Florida architects, designers, academicians, and experts in climate science and design mentored students in development of solutions to future impacts of sea level rise on South Florida. In this year’s Climate Design Lab, students worked with University of Miami’s School of Architecture to assess four Miami neighborhoods in the year 2040 through a design thinking process. U-SoA’s Joanna Lombardi, along with Tyler Harrison and Gia Maranto, who graduated from her U-Link team, were instrumental in teaching and mentoring students. On July 19, the participants’ students presented their ideas to protect residents and infrastructure at a public awards ceremony at the National YoungArts Foundation. Students received feedback on their solutions from a group of experts across various disciplines: Commissioner Eileen Higgins, Miami-Dade County, District 6, Jessica Lee, Van Allen Institute; Katie Hageman, Miami-Dade County; Lauren Ordway, Institute for Sustainable Communities; Rene Gonzalez, Rene Gonzalez Architect; Voca (Architecture); and The CLEO Institute. These designs were presented at a public art and discussion event coordinated by the team led by Departament Design.

Natividad “Nati” Soto Pursues Her Passion in Architecture
Natividad “Nati” Soto is President of Ferguson Glasgow Schuster Soto Inc., a well-established Coral Gables Architecture & Interior Design firm with expertise in medical, civic, and recreational projects. The firm’s work includes Patient Floor Modernizations for Jackson Health System, Coral Gables Office of the Sacred Heart Foundation, Coral Gables Architecture Co. (collaborating with Leon Krier), MDK Logistics Division/ East Randall Fire Rescue Station, City of Miami Beach Murano Park, City of Miami West End Park, and many others.

Natividad’s love of architecture began growing when she was a young student at U-SoA, and continues to grow each year. This year, she served her fellow architects at U-SoA Florida’s 2019 President. Taking up the theme ‘Pursue Your Passion for Architecture,’ she enlisted the Professional Associations’ 4,500 members to energize their passion through design excellence, advocacy, community service, mentorship, and much more.

Nick Serfass is the News Nick Serfass is the executive director of the Rhode Island Technology Council, or RIVTECH. He was featured in the Rhode Island Times of Providence, “Getting to Know Nick Serfass.”

2019 Alumni Barbecue Breaks Records
This year, U-SoA welcomed back a record-breaking number of alumni, students, and guests, with close to 250 people at the 2019 Alumni Homecoming BBQ. The event relied on the generous support of DDB Partners, Rodriguez Architects, Shulman Design, Rushforth design, Melo Architecture, DNA Design Group, Ferguson, Glasgow Schuster, Soto Inc., Wahlw Construction, Silver Architects, Jorge Hernandez Architect, and Ferrarri & Friends.

All enjoyed lawn-side fireworks, live music, and mouth-watering barbecue with libations donated by Southern Glazer’s Wine and Spirits.

In a continued effort to spread School of Architecture pride, and as a token of U-SoA’s gratitude, each guest received on U-SoA beach towel.

U-SoA Alumni Hooman Akhtari and Victor Chavez Pat “Nimble” Spin on Architecture
Two U-SoA alumni, Hooman Akhtari and Victor Chavez, founded Nimble Design, LLC in 2014. Inspired by many professors during their time at U-SoA, after graduation, they joined forces and began their practice in architecture and design, integrating the many entrepreneurship lessons they learned along the way. Hooman offered his unique perspective on starting a practice, urban resilience, and his overall career advice.

Thanks to all of our alumni, guests, and generous sponsors and a special shoutout to the U-SoA planning team for always raising the bar and making this year’s event another resounding success.

Venegas attributes his philosophy of community empathy, and design to his days at U-SoA.

The project was a true partnership as community stakeholders introduced the project to celebrity chef Emeril Lagasse during a visit to his Orlando restaurant. Venegas adds, “We wanted to allow the community to participate in growing, harvesting, preparing, and presenting delicious food while showcasing how much of an empowering experience it can be, while setting the stage for a mindful disposition within the challenges of navigating healthcare, education, and the state of our built environment.” The idea of a kitchen house was intriguing, and a few weeks later, the project was 75% funded through Emeril’s philanthropy and his prompting of AdventHealth’s participation.

The ‘Kitchen House’, a recent winner of an AIA Award of Honor, is now operated by The Edible Education Experience and Venegas, the current board chair who has strengthened partnerships with the Lagasse Foundation and AdventHealth to create a place where the growth of fruits and vegetables can be observed, and where neighbors can turn nutritious, local ingredients into delicious meals. This one-of-a-kind structure delivers educating edge experiences to food, education, nutrition, and redefined healthcare. Physically connecting a garden to a kitchen encourages the necessary thinking which recognizes food as a conduit to wellness and delivers a one-stop snapshot of the ideal food continuum.

ALUMNI HIGHLIGHTS ends //
PORTFOLIO

The Portfolio section of Review showcases graduate and undergraduate student work from featured studios, including recent core and upper-level classes.

This issue features undergraduate and graduate architecture core studio courses led by Profs. Joel Lamere, Florian Sauter and Allan Shulman/Nic Baker; upper-level studios courses led by Profs. Germane Barnes, Jaime Correa/Carmen Guerrero, Jorge Hernandez, and Charlotte von Moos; a research studio led by Prof. Joel Lamere; Graduate Thesis Projects led by Jean François Lejeune and Allan Shulman.
SECOND-YEAR CORE STUDIO: DESIGN PROCESS AND THE (NEW) COMMONS
Coordinator: Assistant Professor Joel Lamere
Faculty: Germane Barnes, Shawna Meyer, Florian Sauter, Elizabeth Cronin

ARC 102 is the second of six core studios in the UMSoA BArch program. As such, it aims to build on the architectural fundamentals explored in ARC 101, while delivering a new set of skills and concerns. There are three central themes that run through the semester. ITERATION: This studio emphasizes process over representation, experimentation over results, and iteration over resolution. Students are asked to produce many permutations and possibilities at every step of the design process, emphasizing the role that iterative process has in the production of architectural ideas. We embrace productive messiness.

RANGE: Architectural design relies on a common language, as emphasized in ARC 101. And yet the practice of design is different for every architect. This course aims to present a range of processes that are common in contemporary architectural practice, and prepare students for a rapidly evolving profession. We introduce computational tools, digital media, and other advanced methods that complement conventional projective drawing.

THE PUBLIC: Design exercises focus on spaces of collective activity, as a bridge between the design of individual dwellings (ARC 101) and cities (ARC 203). We begin by focusing on the interaction between two people, and expand outward to address the design of public spaces.

Above: Section drawing showing design for Exercise 2. This exercise asked students to design a stair going up, and some other means of getting down, connecting multiple floors within a very constrained site. Runyu designed an intertwined spiral stair and corkscrew slide, by Runyu Da.

Below: Photo of final model, showing the relationship between the building and the constructed landscape, as well as the ramped floors that allow the building to be a single continuous circulation path, by Runyu Da.
Exploded axonometric drawing, showing design elements for the Final Exercise. The exercise asked students to design an intervention in a public space within Miami’s Design District. The intervention had to be figured by its use, and produce a publicly-accessible space at the same time, by Runyu Da.

Perspective drawing showing the project in its site, including its relationship to the street and adjacent parking garage, by Runyu Da.

Photo of models. Final model shows interrelationship of stair and slide. 3D-printed model shows the complex curvature of the corkscrew slide, by Runyu Da.
Every student was asked to initially discover for him- or herself an existing building / infrastructure / urban situation in Miami that triggered his imagination to alter, transform or mutate it into something new. No matter of what size or age, in the process of choosing a specific place of action, each had to develop an immediate spatial, programmatic and compositional strategy for the structure’s future. Metamorphosing from the real into the surreal, on an evolutionary basis we attempted to envision another Miami full of possible architectures and magical surprises, fluctuating between issues of bizarre change and radical continuity. However, with all this optimism at hand, each initial concept was rigorously tested in its utopian potential throughout the semester as it faced the more pragmatic – structural, constructive and thermo-dynamical – realities inherent to the discipline. Models and visual montages proved to be important instruments to achieve the desired transfigurations, which in a meaningful and intelligent way should contribute to their urban surroundings.
UPPER LEVEL STUDIO: BABYLON II
Faculty: Charlotte Von Moos

Only a year after Arquitectonica’s first realized project — the Babylon Apartments — won historic designation in 2017, Miami city commissioners overturned the building’s landmark status to pave the way for its demolition. The apartment block’s bright red façade and stepped, ziggurat-inspired shape extruding back into the long and narrow lot instantly made it an icon when it opened its gates in 1981. As a homage to this seminal housing project in Miami, students were asked to design the Babylon II: based on the expressive volumetric disposition and scale of the original building, they were to propose alternative sites for the placement of the new Babylon, adapting the original design to respond to the specificities of the new site. These alterations, which should be in line with the conceptual strategy of the proposal, could range from minimal interventions to the complete re-assessment of the original plan. Altogether, the studio attempted a radical investigation into how a highly charged and specifically attuned historical building structure could be used as a prototype to accommodate today’s social, programmatic and environmental requirements.
UPPER LEVEL STUDIO: PORCH PORTRAYALS - A CHILDREN’S STORY
Faculty: Germane Barnes

Porch Portrayals is an investigation of the porch and its role as a collective gathering space. The Porch is one of the most recognizable symbols in the history of the traditional American home. From historic Shotgun Homes in New Orleans to Bungalow Homes in Chicago, the porch has been a key space of congregation for many demographics. Often viewed as an accessory to the main structure, this covered area shapes the narrative of many who utilize it and is also an important space for observation of collective identity. This studio will utilize the power of narrative to speculate the role of the porch in its many different machinations.

What is a porch in a public area? What is a porch within a sky rise? Can the stairs of City Hall contain the same experiential qualities as a single family home? Students will engage in a precedent study on sites located in Miami, to inform and create fabricated models and an augmented reality installation for the School of Architecture’s Korach Gallery. Students will research, document and analyze the structures through writing, compiling images from research, orthographic drawings, analytical diagrams, 3D models, and a physically fabricated model. This project will inform and prepare for the Fairy Tales project, where students will imagine new architectural realities based on existing research and site data. Students will merge architecture, videography, and augmented reality to create new narratives that explore the past and speculate the future. Students are to be as experimental as possible, using a wide variety of representation methods with the expectation that the final project will be submitted to the Blank Space Fairy Tales Competition.

Liberation Image, Overtown, Miami, Florida by Sofia Silva.
NARRATIVE: She left very early in the morning while it still was dark outside. My mom helped her pack her bags and even gave her some food. I wanted her to stay; she was the only one who stood up against daddy when he was in one of his moods.

"Don’t worry, I’ll be back" she said as she wiped her tears and mine. Even with a cut lip and bruised cheek, she smiled ear to ear.

"But you won’t recognize the house! Everything looks the same, and if you aren’t careful, you can easily get lost".

"Just promise you will keep our secret, and I promise I will be back to this… labyrinth".

I could only nod. I didn’t want to see her disappear between the never-ending row of houses, so I ran into my room and laid on my bed. As I cried in silence, scared I would wake up daddy, I realized there was a piece of paper under my pillow. It was a letter from my sister. I didn’t want to read it yet. I was going to wait later and go to a secret place only my sister and I knew it existed.

We used to call it the secret garden, although it was very close to our house if felt like we could escape and nobody would find us. My sister made me believe that I needed to follow the rules to enter the secret garden. I could only enter by closing my eyes and felt happy. I needed to feel joy, and the garden would appear. The rules were simple, but it was hard to always feel joy.

I wished I could have left with her, but I had to stay with my mom, my only escape, for now, was to read the letter in our secret place:

"Babysis, I am sorry I am leaving you behind, I would have taken you if I could. I trust you will be able to find your way out of this place. I hope you never get used to this life, don’t get stuck on daddy’s cycle. He tries to trap you when he gives you a chocolate bar every time you have to wear a long-sleeve shirt to hide the bruises he gave you. I wanted you to have a safe space outside this boredom and repetitive place. You can find your escape in the garden I showed you. It’s hidden in plain sight, daddy never gets the laundry because he believes it’s a job only women should do, so he can’t find you. I left you when I made up the rules and told you you had to close your eyes and feel happy. I’m sorry I lied to you, but I will not be the only person who will. There will be times you will feel like you can’t breathe, and I am in an inescapable maze. Don’t get stuck. Find your freedom, find your liberty. Everything will make sense someday, I promise.

I love you forever, your bigsis.”

I was very confused by my sister’s letter. I tried to read it every day, but I was scared someone would discover my secrets. I began to understand her once I realized the labyrinth was bigger than I thought. Father was very hurt after my sister left. So much that he didn’t stop being hurt years after she was gone. He allowed me to go to school to learn how to read, but I had to skip school often and help my mom around. When she had a broken arm, I had to do all the house’s laundry for two weeks. He didn’t even say sorry or even offered to help. I was scared I wanted to leave and never come back. One afternoon, I just started running, I was going to run away. The further I went, the more narrow the streets got, then I realized there were no corners, all the houses seemed endless, some houses were different, they felt bigger. I was terrified, I didn’t know where to go. I could only escape finding the secret garden once in a while and go back home.

And, I couldn’t just leave my mom with my father.

I’ve been writing letters to my sister for years. I didn’t have an address to send them, so I just hid them in the garden. I wrote to her about everything. I told her the garden was more beautiful than ever, there were flowers everywhere. The more time passed, the more stuck I felt. I stopped wishing my sister would come back to take me with her. I started to lose all hope.

The more time passed, the more stuck I felt. I walked and walked just to get lost on my way home. I realized there were other streets to get to my house, how was it possible I had missed so many different streets, weird houses that had windows as doors?

I realized I had no one to share the secret garden with. I took my mom to the secret garden, and we read what I once, that I was going to leave and I was going to find my sister. My mom said it was time for me to go. I agreed, and I told her that this time, she was going to come with. We didn’t wait for my father to go back home, I felt like a fog lifted, and I was able to see the end of the many corners of this almost beautiful and awful labyrinth. We stopped to see the garden, we wanted to see it one last time. Me, my mom, our garden, and our escape is what brought me freedom, which is what brought me liberty.
(Above and opposite page) ONCE UPON A TIME IN PLANET EARTH
(Fairy Tale Submission) by Daniel Morgan

NARRATIVE: Another boring day… I woke up disappointed… Again!
I had a wonderful dream and woke up to my boring reality… I dreamed
of a beautiful blue sky, lush green trees, and tall icy mountains. I saw
tons of flowers and beautiful landscapes with rivers and beautiful
animals. It was too good to be true, it felt so real…

Now I find myself back in reality, looking at agonizing metallic walls,
gears and machines systems which never stop working.

But it was just a dream and I have to get to work right away. I put
my sleeping bag in a safe place, eat my share of daily ration, beans and
vegetables and go to work. Feeling excited and nervous I leave my home,
Room 7... I look back and I see that my dad, mom and sister are still
sleeping...I smile at them and leave Room 7. I walk past Room 8... 9... and 10 and so on. I
finally reach the fast shuttle elevator and leave the sleeping quarters.

My family and I grew up here in machine “A-133”. This giant machine works
mostly by itself and it is constantly cleaning pollution from the ocean and
thus collecting water, making it drinkable for us. We have nice but boring
little community inside here, we all do our job most of the people work
gathering farm based foods and only a few work on machine maintenance
and. We only see Machine B -251 and C-375 a few times per year.

I have arrived at my work station… I was chosen as the best candidate
to be the chief engineer for this year’s Union. Unions happen once every
year. It is when machines connect and exchange goods and knowledge.
I just have to wait till the magic begins. I make myself comfortable and
minutes later I instantly begin changing the commands of the machine,
three overrides press ‘1’ ‘X’ ‘S’ and the machine auto mode is off. I grab
the controller and with a couple of easy fixes I simultaneously connect
A with B and C wings. Now the transfer of information and resources
begin. I then send vast amounts of desalinated water and farming food
to the other machines. As in Machine A-133 we provide food and clean
water extracted from the ocean to the other machines and thus we have
the goal removing pollution from the vast polluted ocean. Nevertheless
I calmly wait about 5 minutes until I hear a voice on the intercom. “Good
job kid... you did it again”.

And at that moment I knew that the transfer was completed, I felt
happy. We received solar and hydrogen energy from machine B and we
received climate and air humidifiers from machine C. We exported water
and fresh farming food produced here.

We only interact with the other Machines in rare occasions, machines
operate by themselves and require little assistance, but they do
depend on each other. I wonder what it would be like to be on the
other machines... Machine B-251 is said to feel a little hot inside full of
rusty red walls, where gigantic gears constantly crash toward each
other and the sound of them doing so is imminent. They are an energy
focused community, the citizens in Machine B provide us with efficient
renewable energy each year. On the other side Machine C-375 is air
focused community. It is said that the inside is all white and neat.
They provide us with quality air and information about our damaged
atmosphere and ecosystems, they thus they remove pollution from
the environment. Nevertheless I sit back and feel empty again. We
no longer go outside... the Great Nuclear War caused extreme Global
Warming which completely destroyed ecosystems and native species.
In 2150 when the world was already at peace but in one conditions,
humans installed giant machines for the purpose of research and saving
the earth, with the goal of making it habitable again. A few humans
stayed behind and chose to live a life inside the machines while the vast
majority of humans went to live on planet Mars.

I think to myself... But the more I read books and fairytales of our past
with colorful landscapes, exotic animals and blue skies, the more I
realize of the fairly gray and quite miserable lives that we have here in
machine A... Its human has been able to see outside or feel authentic
air. There are no windows here. The machines just keep moving and
moving... But I know one day everything will be resolved. One day our
machines will finally do their part and one day we will find green land
and be free. There are rumors around that machine.

I sit alone in my work place, and enjoy this moment. I embrace the
sound of machinery and think of a better future. The machineries will finally do their job.
UPPER LEVEL STUDIO: BAD ARCHITECTURES
Faculty: Christopher Meyer / Shawna Meyer

“The type developed according to both needs and aspirations to beauty: a particular type was associated with a form and a way of life, although its specific shape varied widely from society to society.”
The Architecture of the City, Aldo Rossi, page 40

The studio, Bad Architectures, takes aim at the circumstance of form – identified by Aldo Rossi as the widely varied interpretation of type – specifically the relationship form establishes between need and the aspirations to beauty. The presentation of Bad Architectures does not discount or condemn any specific contextual building type, but rather works to expose the architectures left unconsidered as potential contributors to the design discipline. Bad Architectures represent a confluence of dynamic forces belonging to a particular set of circumstances while bound to a very specific moment in time. The explorations of the studio will exist at the disjunction between the need embedded in necessity and the beauty within the beautiful. The intent of the studio is to define the ‘elementary principles’ of these complex contextual structures – defining them as types [actors] within the architectural discourse. Through the exploration of three programs: a market, a meeting house, and mixed-use housing the studio will work to reposition the researched and documented elementary principles as architectural contributors engaging the question: What is the agency of Bad Architectures?

(Above) Rendered Ramp View: The rendered view shows the present experience of ground in relation to the market.
(Cocodrie, Louisiana Market by Clarissa Hellebrand, Undergraduate.)

(Above) Floor Plans: The two plans illustrate a present and a future condition in Cocodrie, L.A. Designed as a two-story market, the architecture anticipates a changing environment and rising water levels. In the near future, the upper level becomes the entire market and is innately equipped for water access. (Below) Sections: The building sections expose the relationship between existing ground plane, the proposes multi-level market and the adaptive buoyant modules.
Cocodrie, Louisiana Market by Clarissa Hellebrand, Undergraduate.

The axonometric drawing depicts the relationship of the proposed buoyant shelters and the open market. The buoyant shelters are conceived as short-term transportation modules as well as longer-term living modules.
Cocodrie, Louisiana Emergency Station by Lulwah Aldamkhi, Undergraduate

(Above) Floor Plan Comparison: The two plans illustrate the comparison between an elevated floor condition that when first built suits the needs of the community and as the water rises and other communities disappear, the future needs of a robust Cocodrie. (Below) Rendered View from Water: The Emergency Station is sited as a constructed ‘finger’, running east/west from the main axis and mimicking the adjacent urban context of Cocodrie. Currently, the Emergency Station can be accessed from the ground and the water; however, the near future plans for water access only.

(Opposite page) Mississippi River Delta Regional Mapping: A comparison of the waterway system against the vehicular roadway system reveals a water dominant environment. How do architects design for this future?
Cocodrie, Aggregated Dwelling by Gladys Vasquez, Undergraduate.

(Above) Rendered Ramp View: The rendered view projects a future community comfortable with rising water and a water-dominant environment.

(Below) Section: The series of section drawings exposes the relationship of form and space. Through the use of repetitive living modules, Gladys implements a series of shifts within the roof form as well as pragmatic rotations to generate a family of dwelling typologies.

(Above/below) Floor Plans: The aggregated dwelling project studied the relationship of circulation and program as influenced by a dynamic site. Drawing from the Studio Manual of documented circulation typologies within the delta, Gladys's project proposes a detailed experience of entry, access, circulation, and living. The iterations of plans illustrate the inherently adaptive relationship of site, water and dwelling.
Cocodrie, Louisiana Market by Ryan Daniusis, Undergraduate.

(Above) Sections: The building sections expose the relationship between existing building context, the proposed elevated open market and the dynamic water line. (Opposite page) Floor Plans: The two plans illustrate a ground condition and an elevated condition in the open market. An elevated deck supports an open market comprised of local vendors, restrooms, and a dining area. This deck serves as a raised walkway, connecting the two hill forms and providing inhabitable space whenever the water level rises. The shops are placed on a grid and have flexible layouts/sizes in order to accommodate different vendors. The market has car parking, but also has boat docks on either side to serve its seafaring visitors.
UPPER LEVEL STUDIO (HISTORIC PRESERVATION) STUDIO
Faculty: Jorge Hernandez

This historic studio traveled to Curacao to document the Mikve Israel-Emanuel Synagogue, in collaboration with the Center for Computational Science, the University of Miami Institute for Advanced Study of the Americas and the Sue and Leonard Miller Center for Contemporary Judaic Studies. In depth documentation preceded a preservation/restoration initiative that included a substantial addition programmed to meet the social and educational needs of the community. Students developed the project program and designed editions to the historic synagogue as a result of social exchange with members of the community.

© Carlos Domene, Photographer
Encombe, like all other sugarcane mills in the Dominican Republic, is tied to the pain and suffering of the people that worked there. This project is meant to exhibit the life of the slave without a name. The existing site has four main buildings: the mansion, the stable, the church, and the mill. Everything is developed around the stable because that’s where the motor/life of the sugar mill was; that was the place where slaves worked - the true heart of the site. The proposal wants to represent and create awareness around the former social injustices happening in the mill as well as around the complicated relationship between white men and their numbered slaves. As the heart of the site, the stable is renovated to become a sensorial museum, a horizontal entity that symbolizes the former oppression. The master’s mansion, even though secondary to the project, is turned into a white wash watch tower with 16 telescopes pointed to the most important mills in the Dominican Republic. The proposal makes a subtle intervention, like a land art scar on the ground, with a vertical garden over, under, and inside its physical remains. In a lower plaza space a new program includes restaurants carved in the original topography. These restaurants face each other with a new plaza at the lower level and have skylights providing their interiors with indirect natural light. The restoration and repair of the site was driven by the idea that the original structure should be emphasized in its spatial context and original materiality.

UPPER LEVEL (SANTO DOMINGO) STUDIO: REASSESSING COLONIAL INDUSTRIAL REMNANTS
Faculty: Jaime Correa/Carmen Guerrero

A research studio focused on: the retrofit and adaptive reuse of four colonial sugarcane mills in the Dominican Republic, the cultural and physical values of historic landscapes, and the theoretical and practical development of a contemporary discourse in architecture and urbanism. The Santo Domingo Studio includes traveling to the Dominican Republic to carry out in-situ documentation drawings; the studio method includes some team work; the final projects must provide solutions for the advancement and reconstitution of four of the first industrial facilities in the New World (one per team of no more than two students - two alternatives per site - 16 students).
Named Hotel Ana María, after the slave that led the first rebellion in the New World. The materiality of the building honors the multiplicity of layers of construction occurring through the years. The first layer, being the original construction, is left untouched; the second is the historical reconstruction of the 1970’s, also left untouched; and the third layer is the proposal itself - which follows the same foundation footprint lines of the original construction but assumes an interpretative role (with a new kind of materiality) as a means to distinguish time differences. The project functions include an entrance lobby, a gift shop, a pool, a spa with several smaller pools for a diversity of treatments, a restaurant, a museum – under the space of the restaurant and where visitors may experience the dark history of the site, and the hotel proper. The proposal also includes courtyards and gardens for outdoor activities.
BOCA DE NIGUA: As a conglomerate of educational, relaxation, and commemorative uses, Las Ruinas presents a new beacon of contemplation to the community of San Cristóbal. Keeping the needs of the community in mind, while acknowledging and materializing the history and significance of Boca de Nigua, this proposal reimagines how such a historic site, with its unfortunate and morally questionable past, may be able to transform itself into a real place for the cultivation of a future with a positive human impact. Las Ruinas preserves, rehabilitates, and reconstitutes existing and historic structures as well as the historic traces still legible on the ground. The proposal establishes a great preservation feast as well as a place of remembrance to the dark history of African American slavery in Santo Domingo. Las Ruinas incorporates an Academia, specialized in the studies of Caribbean Architecture on the foundational traces of buildings which do not exist anymore. Las Ruinas also incorporates a gallery space. Catering to the tourism industry, the proposal includes a spa adjacent to the building with the original “calderas”.

(Above) Boca de Nigua by Adrianna Rivera & Catalina Chaves.
In Fall 2020, the inaugural graduate studio of the two-year M.Arch track was devoted to the issue of microhousing, and its urban impact.

Microhousing has become an object of significant interest globally. It is relevant because it reflects and embodies several contemporary issues: the hyper-urbanization of leading metropolitan centers; the increased cost of land and construction in those centers and the consequent unaffordability of housing; social trends that are away from home ownership; aesthetic trends toward minimalism; and consciousness of the ecological footprint of our current lifestyles. The goal of the microhousing studio was to provoke fresh thinking about microhousing by exploring its potential to infill underutilized areas of an existing urban district. The context for the studio project was the urban fringes of the Lincoln Road corridor in Miami Beach. Invented as a fashionable luxury retail center, Lincoln Road was transformed from street to pedestrian mall in 1960, a change that emphasized the civic role of its central landscaped concourse as a center for Miami Beach. Today, Lincoln Road performs several roles, including as a commercial mall, town center and a lifestyle center for Miami Beach and the region. Physically, the district has been expanding into the adjacent alleys and open lots once reserved for parking. It sits at the confluence of multiple residential urbanisms, yet has little housing in its immediate vicinity; it is an ideal context for new housing development.

Students were challenged with making projects that are commercially workable, contextually appropriate, environmentally responsible and culturally proactive. Their projects leveraged the commercial/civic profile of the area, and contribute ideas about how to manage the transition from mall to mixed-use living district.
The Vivid Now: microHOUSING and ateliers for artists on Lincoln Road, Miami Beach.

Siying Chen.
Rural Studios: microHOUSING complex and urban gardens appended to the Lincoln Garage, Miami Beach. Michael Cahn.
(Above) Intergenerational Co-living: microHOUSING over the New World Center garage, Miami Beach, Marissa Gomez.

(Above) Why does a car park make a good fit for disaster relief? Miami Beach, Kerianne Matre.
This course was an experiment; rather than working on conventional individual thesis projects, a small group of students collectively focused on a research topic framed by a faculty member. The aim was to articulate an alternate track for thesis students, one which acknowledges our evolving profession and the expanding role of research in the field. This so-called “Research Studio” was the inaugural effort here at U-SoA, and has served as the template for current Thesis Research Studio offerings. Led by new faculty member Joel Lamere, the Research Studio focused on design processes that incorporate material behavior at the outset, with a particular bias toward thin and light materials. Students were asked to investigate one of three materially-driven processes: folded sheets, inflated volumes, and structured lattices. In each case, students worked through simulation, modeling and testing toward large-scale mock-ups that could demonstrate potential outcomes and effects of their innovations. The fictional site for these tests was a Chinese Garden, with each student choosing one of the garden’s essential elements to reimagine through this new material palette.
Diagrams showing how curved folding of plastic sheets is used to produce structural “cells” that can aggregate to larger forms by Bo Xuan.

Diagrams of global form development, showing the arrangement of structural cells as scaled and skewed voxels. The overall form is meant to evoke the traditional rock formations in Chinese Gardens, by Bo Xuan.
Drawings of final project, showing conversion of spatial voxels into folded cells. Plan drawing of the rock-like object sited in a traditional Chinese Garden, by Bo Xuan.

Photos of models and tests, showing two interconnected plastic cells (bottom) and a structural aggregate made from folded paper (top), by Bo Xuan.
Graduate M.Arch. students are expected to pursue a final degree project in their final year, a two-semester, 9-credit process that includes a seminar and a design studio led by a primary faculty advisor. Final degree projects comprise one of two tracks: 1) an Architectural Design Thesis (independent scholarly research); or 2) a graduate design research studio. Architectural Design Thesis is an independent design research project on a topic selected and developed by the student. Thesis is an opportunity for each student in the Master of Architecture program to define an individual position with regard to the discipline of architecture. Alternately, Graduate Research Studio is an opportunity to work in a selected area of design research under the direction of a designated faculty member, who establish a general problem or research topic as well as a project framework.

(Above and opposite page) THE TRANSFORMABLE OBSERVATORY by Konstantina Kritharidou

The structure in this site will be a metaphoric representation of all the changes vulnerable areas will have to go through in-order to adapt to environmental changes. The rising of temperature due to climate change has a great impact to areas that are formed by glacial layers. The melting of the ice does not only signify sea level rise, but also reduction of reflective surface that reflects the sun’s rays back to space, maintaining a balanced temperature. The continuous transformation of the site from the glacier’s movement will maximize the transformability of the structure. The mechanism should be flexible enough to adapt to any form the site might have. Furthermore, since the park is an attraction to many tourists, this structure will primarily seek to inform the public about environmental impacts and how they can affect life.
(Above and opposite page) THE TRANSFORMABLE OBSERVATORY by Konstantina Kritsandliou
Kuwait City experienced a radical transformation with the discovery of oil in Kuwait in 1938. Along with economic transformation, oil brought physical upheaval, including tearing down the historic center of the city; demolishing the city’s former defensive wall; and implementing new planning and architectural models in all areas of the city. The greenbelt originally planned to separate Kuwait City’s urban core from its expansion, is one legacy of this rapid post-oil transformation, symbol of both ambition and failure, this critical space within the city today a largely empty zone. Initiated through an effort to investigate the lost urban fabric of Kuwait City and its former wall, as well as the modernizing forces that created the greenbelt project, this thesis will posit a new plan to reconstruct the wall as a first step toward reconstructing a coherent architectural narrative throughout the city. Integrating the green space in moderately priced housing will provide better living conditions. As part this investigation, housing and public space, will be explored for their potential to activate the greenbelt zone.
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REVIEW