



THE UNIVERSITY OF ARIZONA

College of Architecture, Planning
& Landscape Architecture

SUSTAINABILITY
DESIGN / ENVIRONMENT
ARCHITECTURE / HERITAGE
DEVELOPMENT / COMMUNITY
PLANNING / **CHANGE** / PLACE
LANDSCAPE / LEADERSHIP

COLLEGE OF ARCHITECTURE, PLANNING AND LANDSCAPE ARCHITECTURE

2022 ANNUAL REPORT

Fiscal Year 2022 / Academic Year 2021-2022



CAPLA students in the Materials Lab.

Photo by Ryan Smith.

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CAPLA students prepare for end-of-the-semester design review.

Photo courtesy Ally Kwan.

DEAN'S WELCOME

CHANGE: AN ACTIVE VERB AT CAPLA



“Education is as much about teaching future generations to successfully engage change as it is about changing perspectives.”

The last year has been transformational for the College of Architecture, Planning and Landscape Architecture, bringing new perspectives, challenges and opportunities.

Early in the school year, we explored how we should “dress for a perfect storm” by inviting CAPLA Futures Council member **Randy Deutsch** to provide his provocations to the college. Randy presented 10 questions we ought to ask ourselves now, knowing that while change is a constant, the rate of change is increasing. A vigorous cross-college discussion ensued, setting a tone of discovery and moxie for the year.

Last year we both welcomed new faculty and staff who bring further vibrancy to our mission and also said farewell to old friends **R. Brooks Jeffery, Arthur C. Nelson** and **Kay Olsen Brown**. In their leaving we express our deepest appreciation of their far-reaching work and wish them all the best in their retirement.

The year was also a time of renewal. We relaunched the Drachman Institute under **Courtney Crosson**, established a new student chapter of the National Organization of Minority Architects (NOMA) and held CAPLA’s innovative Job Interview Fair on campus and online, attracting the largest number of employers and students in our history.

Just after the end of the school year, we began much-needed renovations on the CAPLA West Building—the original Architecture Building—which will expand studio, office and teaching spaces, plus add a natural ventilation system to address air quality issues for our post-pandemic world. Completion is expected by the beginning of the Spring 2023 semester. In the meantime, students have the benefit of a living laboratory of design and construction on their doorstep—a doorstep in fact

that we are building!

It was fitting, then, to circle back to the CAPLA Futures Council in the spring semester for a virtual gathering where we discussed the increasing change impacting the professions, the classroom, the studio and the workplace.

Through all this transformation, the challenges continue as we navigate temporary accommodations, prepare for a new budgetary model at the university, support displaced students, faculty and staff, and so much more. We have become habituated to change as we emerge from the tumultuous years of the pandemic. Fortunately, education is as much about teaching future generations to successfully engage change as it is about changing perspectives. In that case, we’re right where we need to be: *Building a changing world.*

Nancy Pollock-Ellwand

Dean

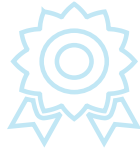
Professor of Landscape Architecture

CAPLA

BY THE NUMBERS

Rankings

#1 **Best Online Master's Degree in Real Estate**
Study.com, 2021



#8 **Public Most Hired-From Architecture School**
(B Arch, M Arch and MS Arch; Group 3: 50-69 Graduates; #12 Overall)
DesignIntelligence, 2019-2021

#8 **Top Urban Planning Program**
without a PhD
Planetizen, 2020-2021

#9 **Public Most Admired School, Architecture Undergraduate Program**
(#23 Overall)
DesignIntelligence, 2019-2021

#11 **Best Value Sustainability Bachelor's Degree**
Value Colleges, 2022

#13 **Public Most Hired-From Landscape Architecture School**
(MLA; Group 3: Less than 20 Graduates; #14 Overall)
DesignIntelligence, 2019-2021



- 9 DEGREE PROGRAMS**
- Bachelor of Architecture
 - Bachelor of Arts in Design Arts and Practices
 - Bachelor of Landscape Architecture
 - Bachelor of Science in Sustainable Built Environments
 - Master of Architecture
 - Master of Science in Architecture
 - Master of Landscape Architecture
 - Master of Real Estate Development
 - Master of Science in Urban Planning

- 4 UNDERGRADUATE MINORS**
- Architectural History and Theory
 - Landscape Architecture
 - Real Estate Development
 - Sustainable Built Environments

- 4 GRADUATE CERTIFICATES**
- Heritage Conservation
 - Real Estate Development Analysis
 - Real Estate Development Finance
 - Real Estate Development Practice



- 3 FULLY ONLINE PROGRAMS**
- Bachelor of Science in Sustainable Built Environments
 - Master of Real Estate Development
 - Graduate Certificate in Heritage Conservation



- 4 ASSOCIATION BOARD-ACCREDITED PROGRAMS**
- Bachelor of Architecture
 - Master of Architecture
 - Master of Landscape Architecture
 - Master of Science in Urban Planning

- 5 STEM-DESIGNATED PROGRAMS**
- Bachelor of Architecture
 - Bachelor of Science in Sustainable Built Environments
 - Master of Architecture
 - Master of Science in Architecture
 - Master of Landscape Architecture



870
TOTAL CAPLA
STUDENTS

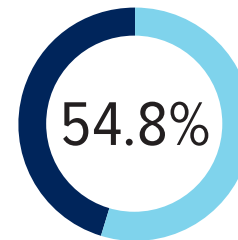
As of Fall 2021 census date

703
UNDERGRADUATE
STUDENTS

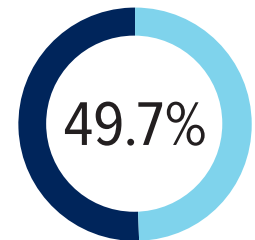
456 B Arch | 48 BLA | 199 BS SBE

167
GRADUATE
STUDENTS

21 M Arch | 9 MS Arch | 40 MLA
71 MRED | 26 MS Urban Planning



STUDENTS OF COLOR
Including international students



FEMALE STUDENTS



217

GIFTS FROM CAPLA DONORS
totaling \$1.1 million, which includes documented planned gifts and bequests

\$5.53M
CAPLA TOTAL ENDOWMENT

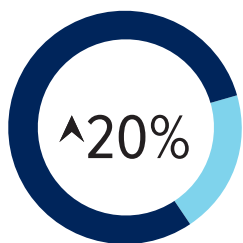
47 STATES
Represented in the CAPLA student body



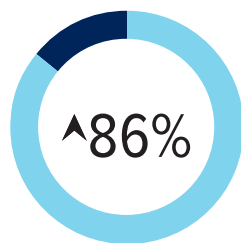
89

CAPLA STUDENTS RECEIVING SCHOLARSHIPS
127 scholarships totaling \$203,305

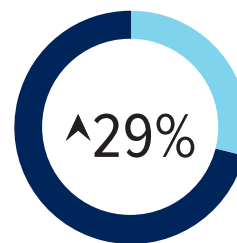
25 COUNTRIES
Represented in CAPLA student body



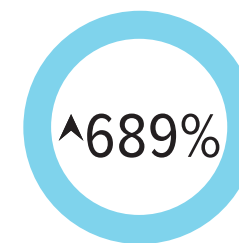
B ARCH INCREASE IN ENROLLMENT
Fall 2017-2021 (380 to 456)



BS SBE INCREASE IN ENROLLMENT
Fall 2017-2021 (107 to 199)



MLA INCREASE IN ENROLLMENT
Fall 2017-2021 (31 to 40)



MRED INCREASE IN ENROLLMENT
Fall 2017-2021 (9 to 71)



41

STUDIO COURSES
•21 School of Architecture
•20 School of Landscape Architecture and Planning



72

CAPLA FACULTY MEMBERS as of Fall 2021
•47 School of Architecture
•25 School of Landscape Architecture and Planning

186

DEGREES GRANTED
in Fall 2021, Winter 2022, Spring 2022 and Summer 2022
64 B Arch | 48 BS SBE | 5 M Arch
5 MS Arch | 18 MLA | 35 MRED
11 MS Urban Planning

4,950

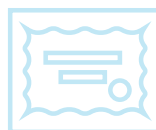
CAPLA ALUMNI
as of Summer 2022

192

COMMUNITY AND INDUSTRY PARTNERS
professional organizations, educational institutions, firms, community organizations and government/public agencies

9,000

SQUARE FEET OF MODEL/MATERIALS LABS



9

STUDENT ORGANIZATIONS



28

CAPLA STAFF MEMBERS AND ADMINISTRATORS
as of Fall 2021



\$1.04M

RESEARCH EXPENDITURES
for sponsored projects, state funding and UArizona initiatives

42

COMPANIES AND ORGANIZATIONS
participating in CAPLA 2022 Job Interview Fair

CAPLA ADVANCEMENT

YOUR DIRECT IMPACT



“Your gifts make an incredible difference for students—for some, making the difference between attending CAPLA or not.”

Dear Friends,

It is so gratifying to write to you a summation of CAPLA’s year in development and alumni relations.

We experienced an increase in endowed scholarships that will provide the largest scholarship pool ever... thanks to our committed and dedicated donors. Your gifts make an incredible difference for students—for some, making the difference between attending CAPLA or not.

Our overall giving continues to increase, which makes it possible to provide support to our community where it is needed most. Scholarships and pass-through dollars (money that we can use to assist with emergency expenses) remain the most significant ways to impact the experience of students at CAPLA. Please continue to give. The impact of your generosity, as you see in this report, is truly inspiring.

We were also quietly working on the *CAPLA Building a Changing World Capital Campaign* to reimagine and reinvigorate the CAPLA West Building. This has been tremendously successful, and we look forward to the public launch in Spring 2023.

In April 2022, we were able to gather once again at our annual Scholarship Celebration, where we celebrated the award of \$203,305 and 127 scholarships to 89 students and heard powerful stories from many CAPLA students about how scholarships have made the pursuits of their passions possible. We also bid farewell to Alumni

Relations and Community Engagement Director Kay Olsen Brown, who heads into a well-earned retirement, though her presence will still be felt at CAPLA.

Our alumni, now numbering just under 5,000, are a critical link for our students and graduates. Your support of travel scholarships, our new externship program and the Job Interview Fair; your involvement through mentoring and reviews; and your financial support mean the world to us. They are vital to our students’ experience at CAPLA as well as their success beyond graduation. The network you provide is rich and diverse, and we thank you.

We look back to 2022 with fondness just as we are excited about the coming year and our opportunity to see, meet and convene in person!

Here’s to another fantastic year—and here’s to you!

A handwritten signature in black ink that reads "Angie K. Smith".

Angie K. Smith

Director of Development and Alumni Affairs

For Fiscal Year 2022

July 1, 2021 – June 30, 2022

Development Revenue

\$1,099,768

Actual, planned and realized gifts.

Total Gifts

217

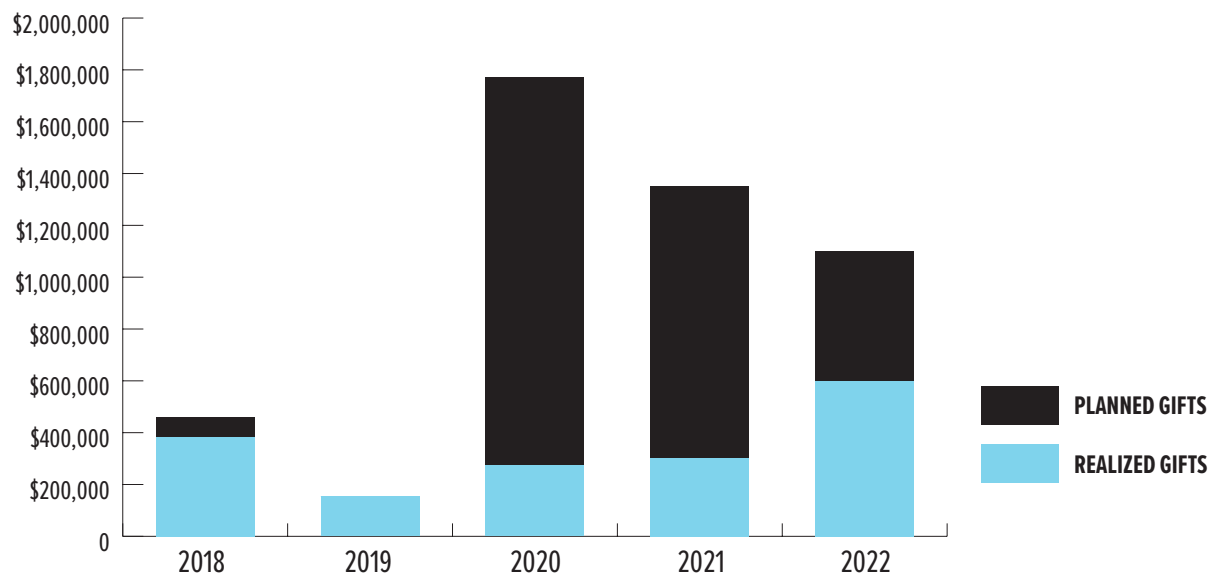
CAPLA Endowment

CAPLA	\$ 1,472,334
Drachman Institute	\$ 1,555,220
School of Architecture	\$ 1,872,756
Landscape Architecture	\$ 602,193
Urban Planning	\$ 25,000
TOTAL	\$5,527,503

Note:

1. Endowment for School of Landscape Architecture and Planning is maintained separately for Landscape Architecture and Urban Planning programs.

CAPLA Development Revenue and Planned Gifts 2018-2022



FISCAL YEAR	PLANNED GIFTS	REALIZED GIFTS	TOTAL ACTUAL GIFTS
2018	\$76,000	\$383,979	\$459,979
2019	\$0	\$153,547	\$153,547
2020	\$1,500,000	\$273,135	\$1,773,135
2021	\$1,050,000	\$301,711	\$1,351,711
2022	\$500,000	\$599,768	\$1,099,768

Notes:

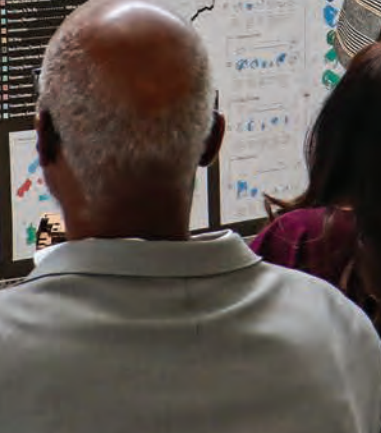
1. Planned gifts are gifts made by donors to the university through wills, beneficiary designations, trusts and life income agreements.
2. Realized gifts are gifts made by donors to the university that are cash and are deposited into university accounts.



CAPLA BUILDING A CHANGING WORLD CAPITAL CAMPAIGN

The campaign to reimagine and reinvigorate the CAPLA West Building is underway. Help us transform CAPLA West into a modern architectural accomplishment that prioritizes student needs.

Learn more, follow our progress and donate today at capla.arizona.edu/renovation.



SUPPORTING CAPLA'S STUDENTS

CAPLA supports students financially in several ways, led by scholarships funded by donors. Additional support includes academic program fee/differential tuition set-asides, graduate student partial tuition waivers and graduate assistantship tuition remission.

AID TYPE	FISCAL YEAR			
	2020	2021	2022	
SCHOLARSHIPS	136,095	164,285	247,332	(2)
PROGRAM FEE/DIFFERENTIAL TUITION SET-ASIDES	120,026	137,843	149,017	
PARTIAL TUITION WAIVERS (GRAD ONLY)	411,860	171,665	195,821	
GAship TUITION REMISSION (GRAD ONLY)	256,558	208,656	189,676	(3)
TOTAL	924,538	682,450	781,846	

Notes:

1. The above activity is funded by CAPLA non-sponsored accounts (i.e., University of Arizona Foundation).
2. The Scholarships amounts above are primarily funded from CAPLA University of Arizona Foundation accounts. There was above normal activity in 2022 due to additional funding rolling over from prior years that needed to be disbursed.
3. GAship tuition remission is a benefit offered to a CAPLA graduate student when being hired as a graduate assistant (GA) to support the college. The amounts shown cover 50% or 100% of the resident tuition each semester, depending on the GA FTE rate.
4. An additional tuition benefit with a GAship (not shown above) is that the student's residency status changes from Non-Resident to Resident, and reduces the semester tuition rate:

SEMESTER TUITION RATE TYPE	FISCAL YEAR		
	2020	2021	2022
NON-RESIDENT	16,033	16,033	16,145 *
RESIDENT	5,969	5,969	6,053 *
TUITION RATE SAVINGS (\$)	10,064	10,064	10,092
TUITION RATE SAVINGS (%)	62.8%	62.8%	62.5%

* The above tuition rates are based on a graduate student being enrolled full-time each semester (9+ units).

SCHOLARSHIPS

In FY 2022, 89 students received \$203,305 in funding from 127 distinct scholarships.

“The peace of mind brought on by knowing my tuition was squared away, in part because of my CAPLA scholarships, is invaluable and responsible for a large amount of my success at the University of Arizona—and in the larger landscape architecture community in Tucson.”

— Blake Houghton '23 MLA



INNOVATIVE RESEARCH, INSPIRING TEACHING

Your generous gift in support of faculty in the School of Architecture and School of Landscape Architecture and Planning ensures their research and teaching help create a sustainable future.

Support CAPLA faculty at capla.arizona.edu/give.



Marcy Bolotin and Lawrence G. Paull. Photo courtesy Marcy Bolotin.

FROM 'SAFeway ARCHITECTURE STUDENT' TO OSCAR-NOMINATED PRODUCTION DESIGNER: NEW SCHOLARSHIP HONORS LAWRENCE G. PAULL '65 B ARCH

Acclaimed film production designer **Lawrence G. Paull** graduated from the University of Arizona Bachelor of Architecture program in 1964. As an architecture student, he learned early on the essential elements of good design. "Larry was committed to detail and nuance and an insistence upon creative excellence," says **Marcy Bolotin**, Paull's wife from 1983 until his death in November 2019.

Though he didn't plan on working in the movie business following graduation, his hands-on educational experience prepared him for a career that eventually led to creating award-winning sets for such films as *Blade Runner*, *Back to the Future*, *City Slickers* and *Romancing the Stone*.

By endowing the **Lawrence G. Paull and Marcy Bolotin Memorial Scholarship** at CAPLA, Bolotin has ensured his legacy will help define the future careers of other architecture, landscape architecture and urban planning students—some of whom, thanks to the couple's generosity, may go on to be as inspirational and influential as Paull himself.



Richard Altuna. Photo courtesy Esther-Marie Carmichael.

RETAIL DESIGN INNOVATOR RICHARD ALTUNA '74 HONORED THROUGH CAPLA ENDOWED SCHOLARSHIP

From The Gap to Pottery Barn to Starbucks, today's modern retail consumer experience was created by one architect: **Richard "Richy" Eugene Altuna**. Altuna, who passed away at the age of 70 in June 2021, graduated with his Bachelor of Architecture from the University of Arizona in 1974. But it wasn't until he started his own firm in the late 1970s that he became known as one of the world's greatest retail designers.

"Richy was a true designer who created concepts and worked with artists and architects to execute his vision," says his sister **Esther-Marie Carmichael**. "As a retail strategist, his creative vision resulted in complete concepts. He credits CAPLA for giving him the freedom to be creative. He never felt restricted."

The **Richard "Richy" Eugene Altuna Endowed Scholarship** has been established with the goal of supporting CAPLA undergraduate students, providing financial assistance to purchase materials, software or travel to enhance students' design processes. "Richy was always generous," says Carmichael, "and we're delighted this scholarship can continue his legacy of generosity."



Judith Chafee. Photo courtesy Arizona Public Media

CLASS OF 1977 ARCHITECTURE ALUM ESTABLISHES SCHOLARSHIP IN HONOR OF RENOWNED ARCHITECT JUDITH CHAFEE

Judith Chafee, who passed away in 1988, defined her path in architecture as an unrepentant modernist, environmental steward, social justice advocate and demanding University of Arizona professor of architecture. Though she was critical in practice and teaching, her influence was both deep and wide—particularly with UArizona students in the Bachelor of Architecture program. One of those students, a Class of 1977 graduate, has now established the **Judith Chafee Scholarship** to honor the legacy of her teaching while supporting current CAPLA architecture students.

"There were many passionate professors advancing the curriculum of the college during my years there," says the donor. "A precious few embodied the innovative artistry at the heart of the profession. Judith was one of them."

When it came time to support a scholarship, the donor and his wife, also an architect, thought immediately of Chafee, her teaching and her innovative architectural work. As a scholarship recipient himself, the donor also recognized the value of financial support while in such a demanding academic program: "I am grateful that I was allowed to focus on my studies and less about my family's wellbeing."



CAPLA Launches Externship Program to Promote Student Professional Development and Build Deeper Relationships with Industry

“The externship experience empowered me in a way I was not expecting,” says **Kaya Orona** ’23 B Arch, as she thinks back to her spring break externship with **The M Group Architects + Interior Architects** in Washington, D.C. “I learned I am capable of being an independent person—that I am able to navigate myself in the fast-paced world of architecture.”

Orona was one of three undergraduate at CAPLA to participate in the college’s inaugural externship program last spring. **Celestin Amani** ’22 B Arch stayed in Tucson for his externship with **Onyx Creative**, while **Anisa Hermosillo** ’22 B Arch traveled to Boise, Idaho for her externship with **erstad ARCHITECTS**.

Like internships, externships allow a student to learn about an organization by spending dedicated time onsite. Because of their shorter duration—in CAPLA’s case, over spring break—externships provide a more concentrated and holistic experience in which students shadow members of the firm and observe how the firm operates. Sponsored by the firms that host the students, externships benefit both the student and the organization.

Given the program’s success, CAPLA plans to expand externships for Spring 2023, opening them to students from multiple programs to work with firms across the country.

“Mentoring students before graduation makes a significant difference in their professional development,” says Associate Dean for Academic Affairs **Laura Hollengreen**. “By providing the opportunity to shadow professionals during the day-to-day operations of firms and visit the cities the firms are located in, prospective employers and colleagues offer students the invaluable experience of being part of a team and learning the distinct tasks and responsibilities of the profession.”

If your firm would like to sponsor and host a CAPLA externship, please contact Director of Development Angie Smith at angiesmith@arizona.edu or 520-621-2608.

OUR STUDENT SUCCESS IS YOUR SUCCESS

As trusted supporters and champions, you help us accomplish great things at CAPLA—and help our students accomplish even more once they graduate.

Continue our success at capla.arizona.edu/give.

YEAR IN REVIEW

SCHOOL OF ARCHITECTURE



“ *It has been my great pleasure and honor to lead this tremendous school and to work with our esteemed faculty, staff, students and alumni.* ”

After weathering pandemic upheavals, the 2021-2022 school year felt *almost normal*. In coming back, students and faculty alike were practically giddy with excitement. We are especially grateful to reinhabit the studio environment and to, once again, *learn by doing*.

As you'll see when you review this annual report, the year resulted in several program changes, faculty transitions and significant student and faculty awards. Here are a few highlights:

As part of a years-long optimization of the Bachelor of Architecture degree, the first cohort of B Arch students completed our new three-semester final phase, or P3.

Two new emphasis areas sponsored by SoA were approved for the Bachelor of Arts in Design Arts and Practices: Object Design and Spatial Design. This collaborative program led by Associate Professor of Architecture **Beth Weinstein** advances a truly multidisciplinary degree that provides a new career trajectory for students.

We began preparing for the National Architectural Accrediting Board accreditation visit that will take place in Academic Year 2024-2025. While NAAB applies only to the professional degrees, the school will also undergo a UArizona academic program review in a parallel coordinated process.

Since the opening of CAPLA East in 2008, the Materials Lab has been one of the hallmarks of this school. Due in part to its world-class facilities, but essentially infused with a spirit of inquiry and a guiding expertise that makes available a huge range of digital and analogue fabrication, the Materials Lab provides a research capability and teaching opportunities that are unequaled in North America.

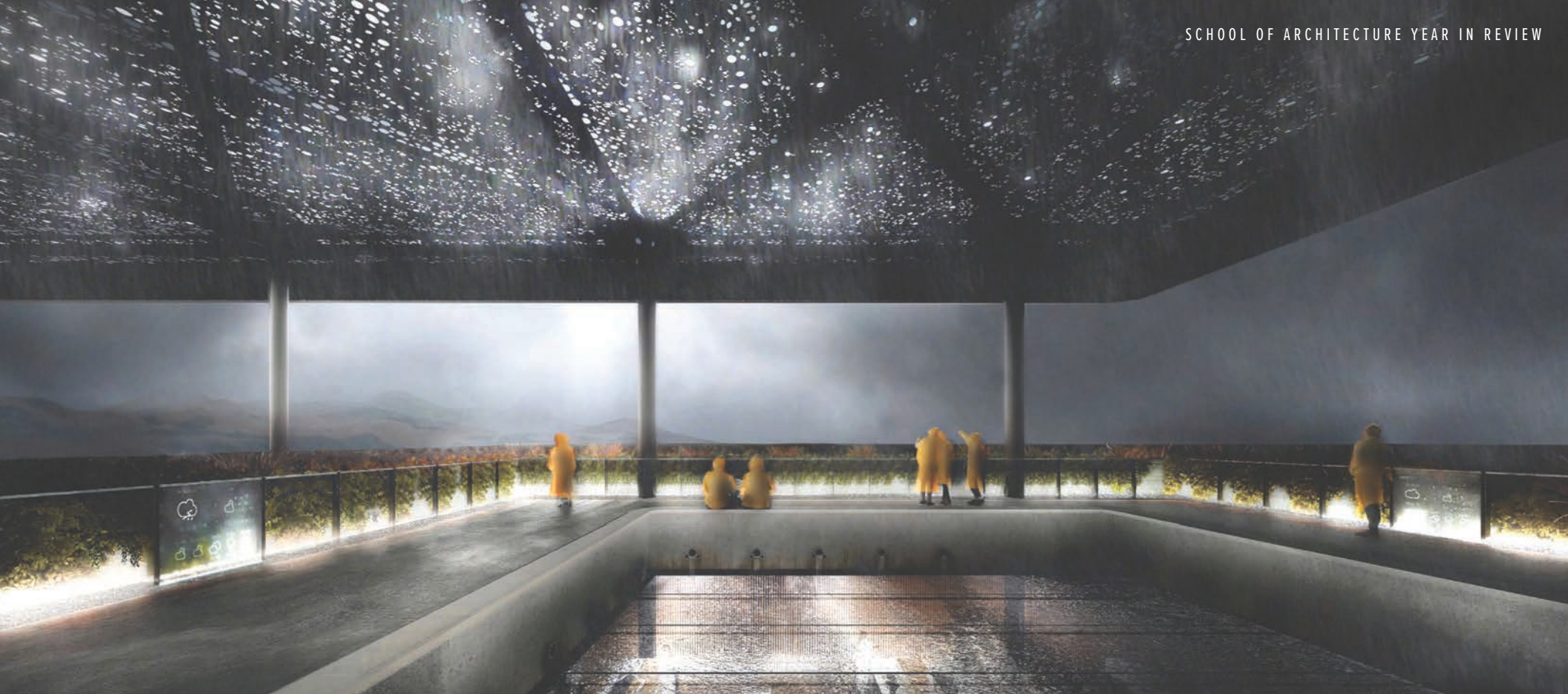
Consequently, it was a sad moment after the close of the Spring 2022 semester when **Paulus Musters** announced his retirement. Paulus has been the inspiration, resident expert and engine of renewal that has kept the Materials Lab functioning safely and brilliantly. He will be missed.

Perhaps the biggest news of the year was the appointment of **Ryan E. Smith** as the School of Architecture director, effective July 1, 2022. Ryan, who is a graduate of the UArizona B Arch and UC Berkeley M Arch, has worked for several design firms as well as held academic positions at the University of Oregon, University of Utah and Washington State University, most recently as WSU's director of the School of Design and Construction. He has been teaching, researching and consulting on housing and offsite construction for nearly 20 years and is the founding past chair and current board member of the National Institute of Building Science Offsite Construction Council, a fellow of the Modular Building Institute and a member of the Ivory Innovations in Housing Affordability Board. We are extremely fortunate to have him lead the school into our next phase of innovation and excellence.

Which means this is my last SoA annual report update. I will retire on January 1, 2023. It has been my great pleasure and honor to lead this tremendous school and to work with our esteemed faculty, staff, students and alumni. What a difference you are making. Thank you.

A handwritten signature in black ink, appearing to read 'R. Miller'.

Robert Miller
Director, School of Architecture
Professor of Architecture



Eco Park by Nickolas Witt '23 B Arch, 2022 Design Excellence Honor Award.

School of Architecture Faculty

As of Fall 2021

FACULTY BREAKDOWN

CAREER TRACK	19
NON-TENURE ELIGIBLE	16
TENURE ELIGIBLE	3
TENURED	9
TOTAL	47

FACULTY BY GENDER

FEMALE	23	48.9%
MALE	24	51.1%

FACULTY BY AGE

25-34	10	21.3%
35-44	12	25.5%
45-54	16	34.0%
55-59	4	8.5%
60-64	3	6.4%
65+	2	4.3%

FACULTY BY RACE/ETHNICITY

ASIAN	2	4.3%
BLACK OR AFRICAN AMERICAN	1	2.1%
HISPANIC OR LATINX	5	10.6%
INTERNATIONAL	3	6.4%
NOT REPORTED	4	8.5%
TWO OR MORE RACES	2	4.3%
WHITE	30	63.8%

THE TRANSFORMATIVE CAREER OF A LIFELONG EXPLORER

R. BROOKS JEFFERY '83 B ARCH, PROFESSOR EMERITUS OF ARCHITECTURE



“It was a transformative experience on multiple levels and was a convergence of both my passion and skill sets that launched a career path on which I’m still an explorer.”

Though Emeritus Professor of Architecture **R. Brooks Jeffery** retired from the University of Arizona in May 2022 as associate vice president for research, at CAPLA he will be long acclaimed for his dedicated work across many roles, including associate dean and Drachman Institute director—as well for his wide-reaching service and award-winning research on heritage conservation in arid environments.

Jeffery credits his lifelong passion for historic built environments to his experiences as a boy in Wisconsin, when his mother volunteered for the local historical society and “dragged him along” on her architectural research. A 1983 graduate of the UArizona Bachelor of Architecture program, Jeffery was drawn to the college for the faculty focus on energy conservation, traditional architecture of arid regions and preservation of Tucson neighborhoods.

Three years after graduating, he joined the Peace Corps, “where I cared less about what I was asked to do as a volunteer as long as it took me to a region where I could explore the vernacular architecture of desert regions of the world,” he says. He served in Yemen for three years, ultimately moving to the capital city, where he worked with UNESCO on the preservation of the San’a Old City World Heritage Site. “It was a transformative experience on multiple levels and was a convergence of both my passion and skill sets that launched a career path on which I’m still an explorer,” he says.

That career path brought Jeffery back to the College of Architecture, as it was then called, in 1988—and over

the next 35 years he served a variety of roles. Following the university’s Planning and Landscape Architecture program moves to the college in 2004, Jeffery was appointed associate dean, where he coordinated integration of the college’s academic units, plus the Drachman Institute, as well as the college’s building expansion (CAPLA East) and strategic planning efforts.

In 2009, Jeffery became director of the Drachman Institute, serving until 2016. “For me, directing the Drachman Institute was the perfect intersection of my interests and cumulative experience: collaborative service-learning pedagogy, funded interdisciplinary research projects and impactful engagement with local communities, all within a collective organizational structure of dedicated students, professional staff and faculty,” he says.

While the Drachman Institute was satisfying and important work, the most rewarding part of his time at CAPLA was helping students realize their potential as future citizens and leaders, while preparing them for practice as emerging professionals: “I’ve been privileged in my positions at CAPLA to engage with students in the classroom, conducting research, and in community outreach projects where we embraced a service-learning mode that made students active learners while addressing real-world problems.”

Read our full interview with R. Brooks Jeffery at capla.arizona.edu/jeffery.

LEGACY BEYOND THE NUMBERS

ARTHUR C. NELSON, PROFESSOR EMERITUS OF URBAN PLANNING AND REAL ESTATE DEVELOPMENT

When Professor of Urban Planning and Real Estate Development **Arthur C. Nelson** retired from the University of Arizona in May 2022, he considered his legacy—not just at the University of Arizona, but across his distinguished, 50-year career in higher education and the planning profession.

Though Nelson has long been a top-cited researcher in his field, his ongoing passions aren't based in his research prowess. Not completely, at least. "I have an inner fire to change how decisions are made at local government and neighborhood levels with facts," he says. "Now that I'm retired from the University of Arizona, I look forward to continuing my work to help local governments rethink their fiscal structures. We can demonstrate how property and sales tax structures penalize low-income households—and then we need to implement measures that advance fiscal sustainability and equity."

Equity was also on his mind in thinking about the role he played in building CAPLA's Master of Real Estate Development program. "We pioneered CAPLA's online MRED to be a planning degree in real estate cloth," says Nelson, who joined the college in 2014. "We teach demographics, equity and social justice, development and fiscal responsibility—the kinds of things other real estate programs don't teach—and we do it online so it's more accessible." The result? UArizona's online MRED program is the nation's largest and most diverse, he says.

Whether equity, demographics, housing or one of Nelson's many other areas of expertise, his perspective is unique because it has been informed

not just by his broad academic experience but also by his professional work in planning and economic development. "I've built a lot of programs, and those came from my experience as a consultant and planning director where I learned first-hand what the profession needs," he says.

At CAPLA, Nelson's legacy is also far-reaching. He served as the principal investigator for the University of Arizona's first successful University Transportation Center proposal through the National Institute for Transportation and Communities, founded the Urban Planning Emphasis in the Geography PhD program and co-founded CAPLA's highly successful Minor in Real Estate Development.

As he heads into his post-UArizona years, Nelson returns to the fundamental drive to provide sound, equitable analysis and advice to help build more sustainable communities. His interdisciplinary career has been nothing short of industry-changing. Yet it's simple, too: "Just look at the numbers to understand how we got here, where we are headed, what the needs are, where to intervene and how to measure progress," he says. More than mere quantity, it's a quality demonstrated for the public good time and again in his illustrious career.

Read our full profile of Arthur C. Nelson at capla.arizona.edu/nelson.



I have an inner fire to change how decisions are made at local government and neighborhood levels with facts.

YEAR IN REVIEW

SCHOOL OF LANDSCAPE ARCHITECTURE AND PLANNING



“*The School of Landscape Architecture and Planning is dynamic—we act collectively to solve serious global environmental threats and grand challenges.*”

The School of Landscape Architecture and Planning has returned to campus with renewed energy as studios, seminars and lecture courses meet in person. There seems to be a hunger for learning and a contagious vitality to be present, to engage and to transform the educational experience as we plan, develop and design the future of our built environments.

The school is dynamic—we act collectively to solve serious global environmental threats and grand challenges. Through the intersections of our disciplines, our faculty explore research topics that include design and planning strategies that address the impacts of extreme heat and climate change, flood control and water conservation, green infrastructure, social justice, transportation planning, habitat protection, preservation of cultural heritage and urban revitalization. Faculty and students continue to win regional and national awards and have received grants from numerous federal agencies.

We continue to expand our academic offerings as our student enrollments grow. Our Sustainable Built Environments major and minor are offered on campus, online and at a UArizona Global microcampus in Lima, Peru, while a new UArizona Global Direct microcampus at Ecuador’s Universidad de Las Américas will launch in Fall 2023. The Bachelor of Landscape Architecture program will be starting its third year. Our Master of Science in Urban Planning, Master of Landscape Architecture and Heritage Conservation Graduate Certificate programs continue to partner with the community and public agencies to advance research and service-learning opportunities.

Studios will soon engage in a partnership with the Taliesin West Foundation on cultural landscape initiatives to explore and document Frank Lloyd Wright’s masterful site design. Additionally, the Heritage Conservation program is exploring a field study option that will utilize our unique location in the Sonoran Desert with hands-on applied research opportunities for graduate students and practitioners.

In the spring, the MS Urban Planning program had a successful visit from the Planning Accreditation Board. The Master of Real Estate Development program (offered on campus and online) and the undergraduate Real Estate Development minor are engaged in a yearlong strategic planning process. Additionally, the Real Estate Development program has partnered with Groupe ESPI, Paris to develop an innovative, international collaboration.

In closing, I wish to recognize Professor Emeritus **Arthur C. Nelson** for his numerous research contributions, dedication to students and faculty, and vision and leadership in advancing our Real Estate Development programs. Chris, I have appreciated your candor, clarity and wisdom and it has been my sincere pleasure working with you.

A handwritten signature in black ink, appearing to read 'Lauri Macmillan Johnson'.

Lauri Macmillan Johnson

Director, School of Landscape Architecture and Planning
Professor of Landscape Architecture



CAPLA Photo.

School of Landscape Architecture and Planning Faculty As of Fall 2021

FACULTY BREAKDOWN	
CAREER TRACK	6
NON-TENURE ELIGIBLE	8
TENURE ELIGIBLE	5
TENURED	6
TOTAL	25

FACULTY BY GENDER		
FEMALE	8	32.0%
MALE	17	68.0%

FACULTY BY AGE		
25-34	3	12.0%
35-44	14	56.0%
45-54	1	4.0%
55-59	1	4.0%
60-64	2	8.0%
65+	4	16.0%

FACULTY BY RACE/ETHNICITY		
ASIAN	3	12.0%
BLACK OR AFRICAN AMERICAN	1	4.0%
HISPANIC OR LATINX	2	8.0%
NOT REPORTED	3	12.0%
WHITE	16	64.0%

THE DRACHMAN INSTITUTE

EQUITY, RESILIENCE, CONNECTION AND BELONGING ACROSS THE BUILT ENVIRONMENT



“*The Drachman Institute is newly organized into a series of labs focused on pressing community issues: Housing Equity Lab, Urban Resilience Lab and RESTRUCT Industry Innovation Lab.*”

It has been an exciting year for the Drachman Institute. This year saw the start of new projects, the fortification of existing partnerships into multiyear commitments, the launch of our first community call for projects, a new website and a clarification of our mission and structure. It's been a whirlwind of activity.

Drachman Mission and Structure

The Drachman Institute is committed to advancing equity, resilience, connection and belonging across the built environment through transformational interdisciplinary research, design and outreach partnerships. To accomplish this larger mission, the Drachman Institute is newly organized into a series of labs focused on pressing community issues: Housing Equity Lab, Urban Resilience Lab and RESTRUCT Industry Innovation Lab. Through these labs, some of our current projects include working with local partners on planning and design solutions for chronic housing equity issues; teaming to produce the City of Tucson's new Climate Action and Adaptation Plan; collaborating with UCLA, University of New Mexico and Colorado School of Mines to move cities in the Southwest toward net zero urban water balances; and building connections to advance industry innovation in the built environment.

Relaunch Event

The Drachman Institute was formally relaunched in April 2022 with a lovely gathering of partners from across the community, faculty and administrators from across campus and students from across disciplines. The launch included presentations by 10 current community projects from faculty and students from the disciplines of architecture, heritage conservation, landscape architecture, real estate development and urban planning. CAPLA has an incredible capacity to complete meaningful and impactful outreach work. Collaboration is part of our college's DNA.

New Website and Community Call for Projects

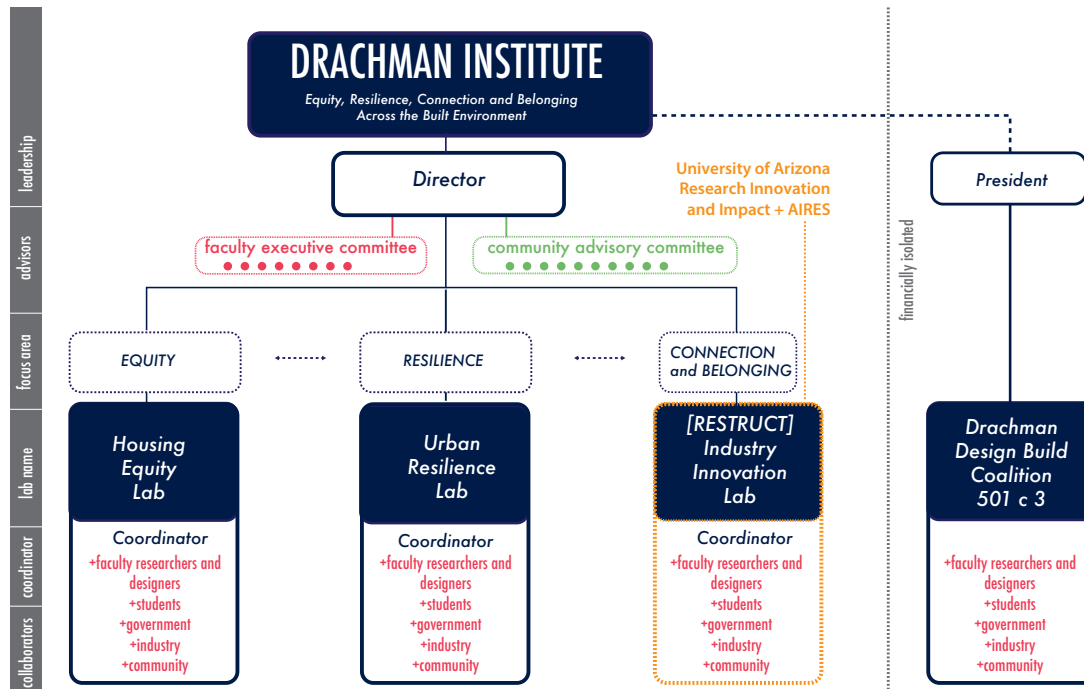
The Drachman Institute has a new website: drachmaninstitute.arizona.edu. One exciting new feature of the website is the Community Call for Projects submission link. This link is always live, though the most recent call for 2023-24 projects closed on September 15. Thank you to all who submitted. The Drachman Faculty Executive Committee will review proposals and announce successful projects in December. Thank you to our Faculty Executive Committee: **Laura Carr, Kristina Currans, Helen Erikson, Kenneth J. Kokroko, Oscar Lopez, Eric D. Weber, Diana E. Austin** (School of Anthropology) and **Kathleen C. Insel** (College of Nursing). Please consider submitting to the 2024-25 call!

One clear message from this year was that the Drachman Institute is fortunate to have many enduring friendships across our community. It was an honor to celebrate former Drachman Institute director **J. Brooks Jeffery's** retirement from the University of Arizona in the spring. Indeed, the Drachman Institute stands on the shoulders of Brooks, all its past directors and the committed collaborators from the decades of the Drachman Institute's work in our community. We move into the future with renewed enthusiasm and a continued commitment to increase equity, resilience, connection and belonging across the built environment. Thank you for collaborating with us and supporting us!

Courtney Crosson
Director, The Drachman Institute
Associate Professor of Architecture



The Drachman Institute relaunch in April 2022. *Photo by Eduardo Guerrero.*



ENHANCING RESILIENCE IN THE BUILT ENVIRONMENT

INSTITUTE ON PLACE, WELLBEING AND PERFORMANCE



Learn more about IPWP
at ipwp.arizona.edu.

Emerging from the pandemic, our faculty's creative responses are yielding many exciting programs addressing a now-urgent need for creating built environments that optimize both physical health and emotional wellbeing, thus enhancing people's resilience. Our landmark paper "An Integrative Framework for Wellbeing in the Built Environment" (*Building and Environment*, August 2021), with lead author Altaf Engineer, CAPLA assistant professor of architecture, has spurred interest from many design professionals and students, including students in the Master of Science in Architecture program, which Altaf chairs.

In research, our teams successfully pivoted from an in-person study of the impact of carbon dioxide (CO₂) on sleep and cognitive performance to related studies examining the impacts of elevated CO₂ on stress and relaxation responses, using UArizona Health Sciences ASTEC simulation lab's High Fidelity Patient Simulator. This has positioned our team to test CO₂ impacts in human participants, with \$893,517 in funding provided by the Arizona Commerce Authority for both projects. IPWP faculty have won six internal seed grant awards totaling \$298,000, including \$100,000 from the Innovations in Healthy Aging UArizona Strategic Plan Initiative awarded to Altaf Engineer and collaborators in the Colleges of Engineering (**Qing Hao**, principal investigator), Agriculture and Life Sciences, Medicine and Science to study the impacts of ambient lighting on thermal comfort in healthy aging.

Our teams filed three patents related to the built environment, one using an online GIS platform developed by CAPLA faculty members **Shujuan Li** and **Bo Yang**, with collaboration from

Altaf Engineer and **Philip Stoker**, as well as investigators from the Colleges of Engineering, Science, Medicine and others, to map emotional responses to place at a campus/regional level. This has led to a contract to support a CAPLA graduate research assistant and Shujuan Li to study wellbeing impacts of sacred gardens in underserved urban settings. IPWP faculty have also given over 22 presentations to national and international meetings, including "De-Stress Your Environment and Your Life" at UArizona's SXSW Wonder House; published five original articles, reviews and book chapters; and have two books under development.

The IPWP has expanded its collaborative network beyond the Andrew Weil Center for Integrative Medicine, CAPLA and the College of Medicine to include the Colleges of Engineering, Science, Public Health, Nursing, and Agriculture and Life Sciences.

All in all, a very productive, creative and exciting year for IPWP!

Esther Sternberg MD

Founding Director, Institute on Place, Wellbeing and Performance
Research Director, Andrew Weil Center for Integrative Medicine
Inaugural Andrew Weil Chair for Research in Integrative Medicine
Professor of Medicine and Psychology
Professor of Architecture, Landscape Architecture and Planning
(Joint Appointment)

NEW EMPLOYEES AND PROMOTIONS

In Spring and Fall 2022, CAPLA expanded its faculty with three new tenure-track faculty members, three visiting professors and several lecturers. Combined, they bring a wealth of expertise, innovation and energy to our students and the broader community.

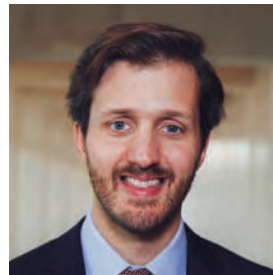
New Professors



Ryan E. Smith
Director, School of Architecture
Professor of Architecture

Ryan is a leading researcher on offsite construction and housing and an accomplished academic administrator and teacher, most recently serving as professor and director of the School of Design and Construction at Washington State University.

Read an interview with Ryan E. Smith at capla.arizona.edu/profiles/2022/ryan-e-smith.



Daniel Kuhlmann
Assistant Professor of Real Estate
Development and Planning

Before joining CAPLA, Daniel was an assistant professor of community and regional planning at Iowa State University. His research focuses on land use, real estate development and the businesses of residential landlords.

Meet Daniel Kuhlmann at capla.arizona.edu/profiles/2022/daniel-kuhlmann.



Michael Scott Silver
Assistant Professor of Architecture

Michael, who is deeply committed to the precise alignment of design poetics and construction, has taught at the Yale School of Architecture and Harvard Graduate School of Design and joins us most recently from the University of Kentucky College of Design.

Meet Michael Scott Silver at capla.arizona.edu/profiles/2022/michael-scott-silver.



Mackenzie Waller
Assistant Professor
of Landscape Architecture
Deans' Equity and Inclusion
Initiative Fellow

A landscape architect and urban designer who joined CAPLA from the University of Washington, Mackenzie's work centers on environmental and spatial justice in the urban built environment, including the mediums of story, wildlife and play.

Meet Mackenzie Waller at capla.arizona.edu/profiles/2022/mackenzie-waller.

Visiting Professors



June Williamson
Visiting Professor of Architecture

A registered architect and professor of architecture at the Spitzer School of Architecture at The City College of New York, June is coauthor of the *Retrofitting Suburbia* book series and an international expert on suburban redevelopment and greening.

Meet June Williamson at capla.arizona.edu/profiles/2022/june-williamson.



Natsumi Nonaka
Visiting Assistant Professor of Architectural History and Theory

Natsumi is an architectural and landscape historian whose work explores topographical and chorographical representation, cross-cultural mobility and cross-fertilization of design forms and concepts, and the cognitive dimension of the pictorial representation of nature.

Meet Natsumi Nonaka at capla.arizona.edu/faculty-staff/natsumi-nonaka.



Seth Asare Okyere
Visiting Assistant Professor of Urban Planning
CAPLA Emerging Faculty Fellow

Seth, who comes to CAPLA from Osaka University, Japan, is engaged in interdisciplinary research and service on resilient and equitable urbanism in the urban north and south, including disaster resilience and the Unwalkable Cities project.

Meet Seth Asare Okyere at capla.arizona.edu/profiles/2022/seth-asare-okyere.

Emeritus Faculty



R. Brooks Jeffery
Professor Emeritus of Architecture



Arthur C. Nelson
Professor Emeritus of Urban Planning and Real Estate Development

Lecturers and Adjunct Lecturers

Michael Becherer
Adjunct Lecturer in Architecture

Nataliya Apanovich
Lecturer in Sustainable Built Environments

Nolan Bade
Adjunct Lecturer in Landscape Architecture

Manisha Bewtra
Adjunct Lecturer in Urban Planning

Amelia Clark
Lecturer in Architecture

Maria Teresa Flores
Adjunct Lecturer in Architecture

Paul Kraft
Adjunct Lecturer in Real Estate Development

David Joslin
Adjunct Lecturer in Architecture

Daniel A. Linder
Adjunct Lecturer in Real Estate Development

Craig Neally
Adjunct Lecturer in Architecture

Garrett Smith
Adjunct Lecturer in Sustainable Built Environments

Matthew Stuart
Adjunct Lecturer in Real Estate Development

Daniel Sylvester
Lecturer in Architecture

Quan Trang
Adjunct Lecturer in Architecture

Rachael Varin
Adjunct Lecturer in Architecture

Faculty Promotions



Lisa Schrenk

Professor of Architectural History

Catch up with Lisa Schrenk at
capla.arizona.edu/profile/2021/lisa-schrenk.



Kirk Dimond

Associate Professor of Landscape Architecture

Catch up with Kirk Dimond at
capla.arizona.edu/faculty-staff/kirk-dimond.



Michael Kothke

Professor of Practice in Architecture

Catch up with Michael Kothke at
capla.arizona.edu/faculty-staff/michael-kothke.



Courtney Crosson

Associate Professor of Architecture | Director,
 Drachman Institute

Catch up with Courtney Crosson at
capla.arizona.edu/faculty-staff/courtney-crosson.



Philip Stoker

Associate Professor of Landscape
 Architecture and Planning

Catch up with Philip Stoker at
capla.arizona.edu/faculty-staff/philip-stoker.

Laura Carr

Senior Lecturer in Architecture

Gina Chorover

Senior Lecturer in Planning and
 Landscape Architecture

Omar Youssef

Senior Lecturer in Architecture and
 Sustainable Built Environments

New Staff

Valerie Crawford

Administrative Associate,
 School of Architecture

Danielle DuBois

Academic Coordinator, School of Architecture

Win Dunham

Development and Alumni Assistant

Holly Garland

Administrative Associate, School of Landscape
 Architecture and Planning

Danielle Orozco

Administrative Associate, Business Office

Ellen Worth

Marketing Specialist

Staff Promotions

Laura Jensen

Senior Program Coordinator

Emilio Romero

Alumni and Development Manager

AWARDS AND ACCOLADES

SCHOOL OF ARCHITECTURE FACULTY

Jonathan Bean

2021 'American-Made Challenge' U.S. Department of Energy Envelope Retrofit Opportunities in Building Optimization Technologies (E-ROBOT) Prize
With Wolfgang Fink, in collaboration with Dewey Benson

Joint Appointment with National Renewable Energy Laboratory Co-director, University of Arizona Institute for Energy Solutions Advisory Board, Arizona Institute for Resilient Environments and Societies

Susannah Dickinson

Biosphere 2 Faculty Innovative Teaching Fellow

Claudia Kappl-Joy

AIA Arizona Consultant Award
With CLL - Concept Lighting Lab

Damon Leverett

2022 Anne Graham Rockfellow Memorial Award
Presented by UArizona Chapter of Women in Architecture Society

Brad Lang

AIA Arizona Design Pedagogy Award

Oscar Lopez

AIA Arizona Interior Merit Award for *Why I Love Where I Live*
With Mihir Bavishi, s p a c e BUREAU

Bill Mackey

2022 Roy P. Drachman Award for Excellence

Robert Miller

2021 AIA Arizona Chairman's Award



Robert Miller.

Clare Robinson

2021-2022 University of Arizona Inclusive Leadership Fellow

Jesús Edmundo Robles Jr
Architectural Record AR
2021 House Award Shortlist for *Marfa Suite*

With Cade Hayes, DUST Architects
2021 Jeff Harnar Award for Contemporary Architecture in the Southwest for *Casa Caldera*
With Cade Hayes, DUST Architects

Teresa Rosano

2022 School of Architecture Commendation for Teaching Award

Beth Weinstein

2021-2022 University of Arizona Inclusive Leadership Fellow

SCHOOL OF ARCHITECTURE STUDENTS AND CLASS PROJECTS

AIA Design Excellence Awards

Nick Witt '23 B Arch: Honor Award, Excellence in Overall Design for *Eco Park | resourceXchange*

Jacob Downard '22 B Arch: Merit Award, Excellence in Design Strategy for *The Temporal Passage*

Noah Roth '24 B Arch: Citation Award, Excellence in Environmental Design for *The Desert Oasis Downtown Apartments*

Jed Perea '25 B Arch: Honorable Mention for *The Domestic Curtain*

Tabitha Rodriguez '24 B Arch: Honorable Mention for *Terrano*

Nick Witt and **Waverly Mellies** '23 B Arch: Honorable Mention for *Gifted Hands Education Center*

Taylor Forsberg '22 B Arch: Honorable Mention for *A Mesquite Bosque Almanac: And Sketches Here and There*

2022 AIA Henry Adams Certificate of Merit and Medal
Taylor Forsberg '22 B Arch and **Alec Kelly-Jones** '22 M Arch

2022 AGM/Ascension Wheelchair Lifts Universal Design Prize

Students:

Alexis Campion (First Prize), **Andy Demetriou** (Second Prize), **Brandon Willmon** (Third Prize), **Ralph Mersiowsky** (Innovation in Universal Design), **Tyler Newman** (Innovation in Design), **Eva Serbin** (Innovation in Design Narrative + Process), **Alyssa Fink** (Innovation in Design Concept) and **Freddy Arvizu** (Innovation in Design Concept)

Faculty advisors:

Dulce Arambula, Eduardo Guerrero, Teresa Rosano, Siri Trumble and **Beth Weinstein**

2021 Alpha Rho Chi Medal
Anisa Hermosillo '22 B Arch

American Institute of Architecture
2022 Architecture Awards National Judge
Ana Astiazaran '22 B Arch

2021 American Institute of Architecture Students Chapter Leader Honor Award
Ally Kwan '23 B Arch

2021 American Institute of Architecture Students Chapter Honor Award, Honorable Mention

Student organization:
University of Arizona Chapter of AIAS

Faculty advisor:
Oscar Lopez

Capstone Jury Awards

from Barcelona:

Sam Owen, *Una altra volta. A Neighborhood Hub for the Self-Sufficient City* (Barcelona, Spain)

from Material Matters:

Jacob Downard, *The Temporal Passage* (Volcanism)

Taylor Forsberg, *A Mesquite Bosque Almanac: And Sketches Here and There* (Mesquite)

Itzel Gamez, *Woven: A Restoration Project* (Straw/Arrow Weed)

Oli Rueda, *Aridland*

Archaeofuturism: Post Humanism in a Sonoran Desert Context (Ceramics)

from (Meta)Physics of Light:

Emily Ahlgren, *Haiku Stair* (Oahu, Hawaii)

Alex Arnaud, *Dragoon* (Dragoon, Arizona)

Brooke Sands, *Sands Ranch: A Vast Light* (Pima County, Arizona)

Vincent Yang, *Tales of the City* (New York, New York)

from Urban Agency:

Andrea Riehle, *Satellite Amenities* (Caguas, Puerto Rico)

Lindsay Roland, *Zocalo del Paisano* (Calexico, California)

2022 ARCC /

King Medal for Excellence

Abdullah Alabdullatif '22 MS Arch

2022 Richärd | Kennedy Fourth-Year Studio Prize

Students: Architectural Narrative: **Kaya Orona** (Honor Award), **Nhan Vo** (Merit Award); Urban Catalyst: **Kavan Furukawa** (Honor Award), **Chris Buckley** (Merit Award), **Kaya Orona** (Honorable Mention); User Experience: **Jules Cervantes** (Honor Award), **Erik Wright** (Merit Award), **Hunter Jinbo** (Honorable Mention); Systems Integration: **Diego Limon** (Honor Award), **Matthew Dulong** (Merit Award), **Alex Provine** (Honorable Mention); Building Skin: **Matthew Cullen** (Honor Award), **Jonah Cummins-Mikkalson** (Merit Award), **Valerie Rauh** (Honorable Mention)

Faculty advisors:

Laura Carr, Brian Farling, Michael Kothke, Brad Lang, Eric Sterner, and Shawn Swisher

U.S. Department of Energy 2022 Solar Decathlon Design Challenge Grand Prize Winner, Commercial Divisions and First Place, Multifamily Building Division for *The Avenue*

Students:

Andrew Norris, Jonah Cummins-Mikkalson, Alex Kolodziej and Nhan Vo

Faculty advisor:

Jonathan Bean

SCHOOL OF LANDSCAPE ARCHITECTURE AND PLANNING FACULTY

Ladd Keith

Management Committee, Global Heat Health Information Network

APA Arizona 2022 Open Category (Applied Research) Award for *Planning for Urban Heat Resilience*
With Sara Meerow

Western Planner 2022 Sheldon D. Gerber Merit Award for Excellence in Environmental Planning for *Planning for Urban Heat Resilience*
With Sara Meerow



Sara Meerow, ASU, and Ladd Keith, CAPLA, accept their award for *Planning for Urban Heat Resilience* at the Arizona APA conference.

Photo courtesy Ladd Keith.



CAPLA Undergraduate Architecture Student Ally Kwan Wins AIAS Chapter Leader Honor Award

Ally Kwan '23 B Arch was awarded the 2021 Chapter Leader Honor Award from the national American Institute of Architecture Students (AIAS) organization. Kwan, the 2020-2021 president of the University of Arizona AIAS chapter housed within CAPLA, was one of only three students nationwide selected for the prestigious award.

Under Kwan's leadership, the UArizona AIAS chapter sponsored several activities aimed at connecting architecture students with fellow students, faculty and professionals—no easy task when students were predominantly working remotely due to the pandemic. Their activities included a *How to Survive Architecture School* panel co-hosted with other CAPLA student organizations, *Take Out by Design* fundraising and networking event with AIA Southern Arizona, the Wellness Series for current CAPLA students, architecture firm tours, technology workshops, an annual portfolio workshop and the chapter's popular student mentorship program.



Kenneth J. Kokroko
Deans' Equity and Inclusion
Initiative Fellow

Mackenzie Waller
Deans' Equity and Inclusion
Initiative Fellow



Kenneth J. Kokroko.



Mackenzie Waller.

SCHOOL OF LANDSCAPE ARCHITECTURE AND PLANNING STUDENTS AND CLASS PROJECTS

**2022 AICP Outstanding
Student Award**
Christina Scarpitti '22
MS Urban Planning

**2021 Arizona Geographic
Information Council Maps & Apps
Contest Winner, Best Student Map**
Glenn Ingram '23 MSUP

**Arizona APA 2022 Student
Project Award for *Thriving
Transit Corridors: Driving Transit-
Oriented Development Along
Tucson's Broadway Corridor***

Students:

**Garrett Aldrete, Jacob Burg,
Noah Cannold, Ben Carpenter,
Longhao Guo, Melanie
Olson, Chrissy Scarpitti
and Nathalia Untiveros**

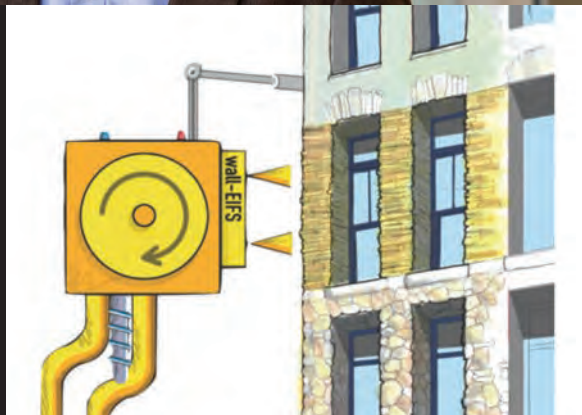
Faculty advisor:

Kristina Currans

2022 AzASLA Honor Award
Kendra Potter '22 MLA and
Alizabeth Potucek '22 MLA

2022 AzASLA Merit Award
Hunter Lohse '22 MLA and
Heather Schmidt '22 MLA

UArizona Team Wins \$200,000 'American- Made Challenge' E-ROBOT Prize



wall-EIFS, a robotically applied, 3D-sprayable exterior insulation and finish system for building envelope retrofits, was one of 10 finalist prize winners of the U.S. Department of Energy's Envelope Retrofit Opportunities for Building Optimization Technologies Prize, or E-ROBOT Prize, an award of \$200,000.

The E-ROBOT Prize's goal is to catalyze the development of minimally invasive, low-cost and holistic building envelope retrofit solutions that make retrofits easier, faster, safer and more accessible for workers. **Jonathan Bean**, assistant professor of architecture, and **Wolfgang Fink**, associate professor of electrical and computer engineering, created the wall Exterior Insulation and Finish System, or wall-EIFS, in collaboration with Energy Quest Technologies President **Dewey Benson**.

Learn more about the team's award-winning project at capla.arizona.edu/e-robot.

wall-EIFS in action.
Image courtesy Jonathan Bean.

2022 AzASLA Student Collaborative Design Award of Excellence for *Harmonious World: Mochik Ranch Redevelopment Project for the Pascua Yaqui Tribe*

Students:

Patricia Vasquez Cabrera, Keegan Thomas, Jianjie Ma, Sinlin Tang, Ryan Helmick and Ivan Woestman

Faculty advisors:

Bo Yang and **Laura Carr**

2022 AzASLA Student Collaborative Design Honor Award for *Cultural Countours: Shaping the Earth and Its People*

Students:

Alizabeth Potucek, Mattea Wallace and **Jake Siegel**

Faculty advisor: **Bo Yang**

2022 AzASLA Student Collaborative Design Honor Award for *A Designer's Guide to the Effective Planning and Site Design of Public Electric Vehicle Charging Stations*

Kevin Chu, Patricia Vasquez Cabrera, Teresa R. Dekoker, B. Blake Houghton II, Huanyu Liu, Jianjie Ma, Lauran Morrissey, Kendall Murie, Emma Nakpairat, Price Riggins, Sinlin Tang and **Keegan Thomas**

Faculty advisor: **Bo Yang**

2022 AzASLA Student Collaborative Design Honor Award for *Lessons from the Wind*

Teresa Dekoker, Lauran Morrissey, Price Riggins, Emma Nakpairat and **B. Blake Houghton II**

Faculty advisor: **Bo Yang**

2022 AzASLA Student Community Service Award of Excellence for *Shady Sonoran School: Microclimates for Macro Problems*

Alizabeth Potucek, Jake Siegel and **Mattea Wallace**

Faculty advisor: **Travis Mueller**

2022 AzASLA Student Community Service Honor Award for *Pathways and Portals: Narrative in Space for Pascua Yaqui Community and Youth*

Alizabeth Potucek '22 MLA

Faculty advisor: **Bo Yang**

2022 AzASLA Student Individual Honor Award **Austin Young** '22 MLA

2022 CELA Fountain Scholar Award **Irene Pineda** '22 MLA

2022 Landscape Architecture Foundation Olmsted Scholar **Kendra Potter** '22 MLA

2022 NITC Student Scholar Award

Lauren Heat '22 BS SBE, **Jacqueline Howell** '22 MLA, **Melanie Olson** '22 MSUP, **Christina Scarpitti** '22 MSUP, **Ethan Wissler** '22 MLA, '22 MSUP

2022 Transportation Research Board Minority Student Fellow **Ash Avila** '22 BS SBE

University of Arizona 2022 Data Visualization Challenge, Graduate/ Professional Student First Prize **Irene Pineda** '22 MLA

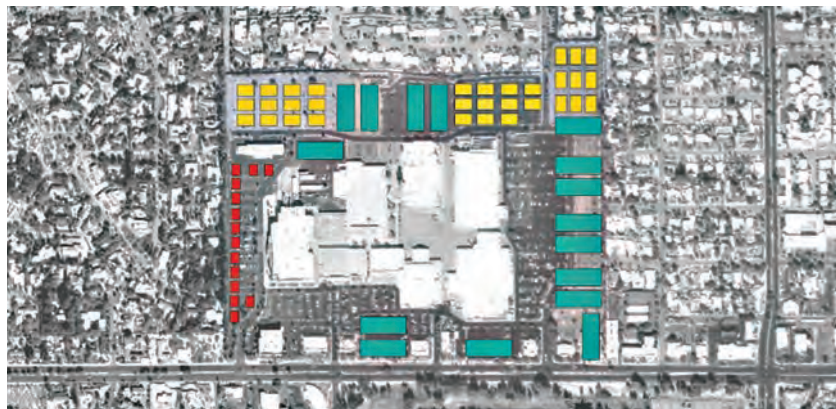
CAPLA FACULTY AND STAFF

Jeff Guba

2022 Darryl D. Dobras Award for Excellence (Staff)

Damon Leverett

2022 Darryl D. Dobras Award for Excellence (Faculty)



El Con Infill Development Potential Site Plan, from *Thriving Transit Corridors*.

Award-Winning Report by CAPLA Urban Planning Students Envisions Equitable, Accessible Public Transportation for Underdeveloped Corridors in Tucson

For Tucson to grow sustainably, city planners and decision-makers must envision the potential challenges and opportunities directly associated with public transportation improvements along underdeveloped corridors in the city. And that's precisely what a report created by students **Garrett Aldrete, Jacob Burg, Noah Cannold, Ben Carpenter, Longhao Guo, Melanie Olson, Chrissy Scarpitti** and **Nathalia Untiveros** does.

Thriving Transit Corridors: Driving Transit-Oriented Development Along Tucson's Broadway Corridor was completed in Spring 2022 under the guidance of **Kristina Currans**, assistant professor of urban planning, in consultation with **Koren Manning, Dan Bursuck** and **Maria Gayosso**, planners with the City of Tucson.

Because of its overall excellence, as well as other criteria—ranging from originality, innovation and transferability to comprehensiveness and effectiveness—the report was honored by the American Planning Association Arizona with the 2022 Student Project Award, the top student prize offered by the APA state chapter.

Learn more about the *Thriving Transit Corridors* project and download the report at capla.arizona.edu/thriving.

RESEARCH AND CREATIVE SCHOLARSHIP

TRANSFORMATIVE RESEARCH AND SCHOLARSHIP ON THE BUILT ENVIRONMENT



“*The accelerated momentum of CAPLA research is observed not only in existing programs; CAPLA faculty also actively embrace new collaborations, build interdisciplinary teams and explore new funding streams.*”

2022 has been another shining testimony of CAPLA's leadership in built environment research and scholarship. There was a 39% increase in research expenditures of sponsored projects compared to 2021, and the success rate of CAPLA-led grant proposal submissions amounts to 73%—the highest in the past five years. The accelerated momentum is observed not only in existing research programs; CAPLA faculty also actively embrace new collaborations, build interdisciplinary teams and explore new funding streams. Scholarly inquiries cover a wide spectrum of topics, including affordable housing, building science, climate resilience, transportation, green infrastructure, health and wellbeing, heritage conservation and others.

Highlights of CAPLA's impactful research include:

Funding Sources

This year, CAPLA faculty secured highly competitive grants from the Centers for Disease Control and Prevention, Department of Transportation, National Institute for Transportation and Communities, National Oceanic and Atmospheric Administration and National Science Foundation, while ongoing funding support has been received from the National Park Service, Marshall Foundation and Salt River Project. Faculty also submitted multiple interdisciplinary proposals to the Department of Energy and National Fish and Wildlife Foundation.

Transdisciplinary Research

CAPLA researchers have made a tangible impact on built environment sustainability through partnerships that transcend disciplinary boundaries. For example, the Green Stormwater Infrastructure Campus Living Lab, funded by the Provost's Investment Fund, examines green infrastructure

and landscape performance as well as experiential learning and student engagement across four university colleges. Interdisciplinary research supported by the UArizona Health Sciences Innovations in Healthy Aging tackles thermal comfort management, lighting design and building energy consumption via collaboration with College of Engineering and Institute on Place, Wellbeing and Performance.

Research Leadership

Our faculty play leadership roles in research initiatives and have been invited for joint appointments at national agencies and multi-institutional coalitions, including such organizations as the Global Institute for the Study of International Expositions, National Renewable Energy Laboratory, Pacific Northwest National Laboratory, World Health Organization and World Meteorological Organization. Additional joint appointments at the university level include the Arizona Institute for Resilient Environments and Societies and the Udall Center for Studies in Public Policy.

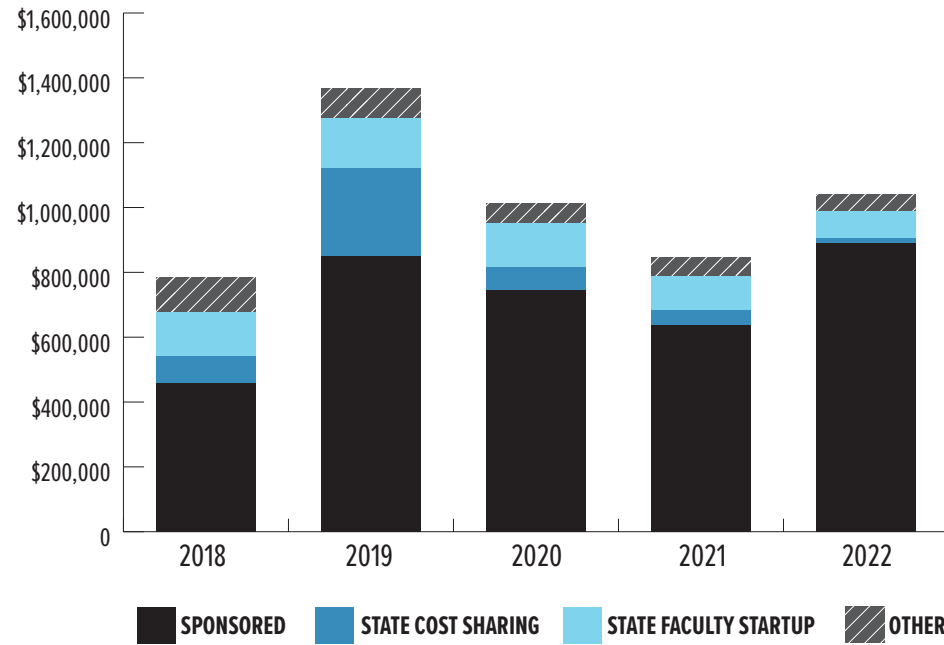
In closing, CAPLA's research and creative scholarship endeavors demonstrate our commitment to equity and inclusive excellence as well as student enrichment. With a new cohort of faculty and students joining the CAPLA family in the coming year, we cannot wait to share their accomplishments in the years to come.

Bo Yang

Associate Dean for Research
Professor of Landscape Architecture and Urban Planning

Research Grants and Awards

Research Expenditures By Funding Source FY 2018-2022



Mission San Xavier del Bac.
Photo courtesy Southwest Mission Research Center.

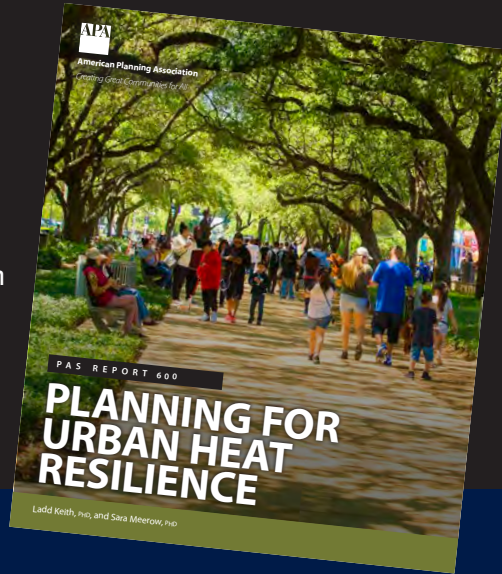
FUNDING SOURCE	FISCAL YEAR				
	2018	2019	2020	2021	2022
SPONSORED					
DIRECT COST	356,131	655,640	567,566	491,874	676,596
INDIRECT COST	102,532	193,636	175,831	146,564	211,820
TOTAL	458,663	849,276	743,397	638,438	888,416
STATE					
COST SHARING	80,725	270,874	71,841	44,951	15,501
FACULTY STARTUP	135,903	154,433	136,213	105,177	85,680
TOTAL	216,628	425,307	208,053	150,128	101,181
OTHER					
CAPLA GRASSROOTS INITIATIVES			17,393	6,520	36,980
DRACHMAN INSTITUTE SEED GRANTS				13,907	11,495
RII FACULTY STARTUP	100,041	76,311	34,341	7,500	
RII RESEARCH INITIATIVES			2,168	17,810	1,230
TECH RESEARCH INITIATIVES	9,450	15,328			
TOTAL	109,491	91,639	53,902	45,737	49,705
GRAND TOTAL	784,782	1,366,223	1,005,353	834,302	1,039,302

Notes:

1. Cost Sharing activity is state-funded but relates to Sponsored Project accounts.
2. Sponsored activity is based on projects housed under CAPLA as the home department for the funding.
3. The Office of Research, Innovation and Impact (RII) is an institutional unit at the University of Arizona.

Planning for Urban Heat Resilience

Ladd Keith and Sara Meerow
American Planning Association
PAS Report, 2022



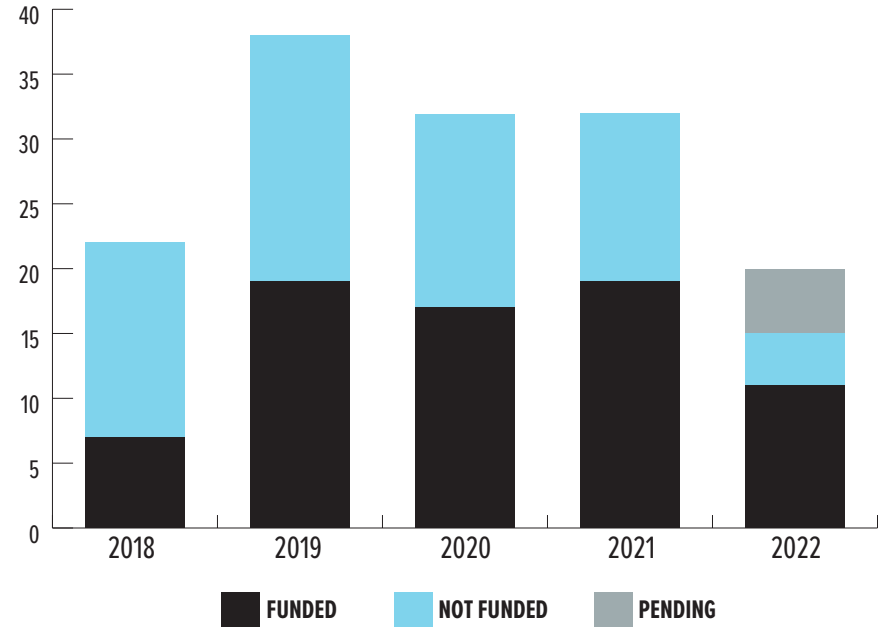
Thanks to a partnership with the American Planning Association, CAPLA's **Ladd Keith**, assistant professor of planning and sustainable built environments, and **Sara Meerow**, associate professor in the School of Geographical Sciences and Urban Planning at Arizona State University, recently published a comprehensive guide for planners and their communities to equitably prepare for urban heat resilience and mitigation: *Planning for Urban Heat Resilience*.

The timely Planning Advisory Service report, which was funded in part by the National Oceanic and Atmospheric Administration's Extreme Heat Risk Initiative, has since garnered wide acclaim for its practical application across communities. The 98-page, award-winning report provides holistic guidance to help practitioners increase urban heat resilience equitably in the communities they serve. It provides an in-depth overview of the contributors to urban heat and equity implications, and it lays out an urban heat resilience framework and collection of strategies to help planners mitigate and manage heat across a variety of plans, policies and actions.

View or download the free report at capla.arizona.edu/urban-heat.

New Proposal Submissions by Fiscal Year

New Proposal Submissions by Fiscal Year Submitted
Where CAPLA is Lead PI Unit, 2018-2022



PROPOSAL STATUS	FISCAL YEAR SUBMITTED				
	2018	2019	2020	2021	2022
Funded	7	19	17	19	11
Not Funded	15	19	15	13	4
Pending	0	0	0	0	5
TOTAL	22	38	32	32	20
Funded Rate (%)	32%	50%	53%	59%	73%

Notes:

1. The above proposals exclude any proposal where CAPLA isn't the lead PI unit but is involved with the proposal.
2. Funded Rate (%) in the above table is based on the following formula:
= Funded / (Funded + Rejected/Withdrawn/Deactivated)

Our Research Areas of Focus

AFFORDABLE HOUSING // **ALTERNATIVE BUILDING MATERIALS AND SYSTEMS** // ARCHITECTURAL HISTORY
ARCHITECTURAL PRACTICE // ARCHITECTURAL THEORY // **ARCHITECTURE** // ARID LANDS // BICYCLE PLANNING
BIOMIMETICS // BUILDING CODES // **BUILDING MATERIALS** // BUILDING PERFORMANCE AND SIMULATION
 BUILDING SCIENCE AND TECHNOLOGIES // CAMPUS PLANNING // **CLIMATE ANALYSIS AND ACTION PLANNING**
 CLIMATE CHANGE // COMMERCIAL REAL ESTATE // COMMUNITY OUTREACH AND ENGAGEMENT // **COMMUNITY PLANNING AND DESIGN**
 CONSTRUCTION // CRAFT // **CULTURAL LANDSCAPES** // DAYLIGHTING // DEMOGRAPHICS // **DESIGN-BUILD**
 DESIGN COMMUNICATION // **DESIGN METHODOLOGIES** // DESIGN THINKING // DEVELOPMENT PATTERNS
 DIGITAL DESIGN AND FABRICATION // **ENERGY CONSERVATION AND DESIGN** // ENVIRONMENTAL JUSTICE
ENVIRONMENTALLY ADAPTIVE SYSTEMS // EQUITY // ETHICS // **EXTREME HEAT** // GARDEN DESIGN
 GEOGRAPHICAL INFORMATION SYSTEMS // **GREEN INFRASTRUCTURE** // GREENWAY AND URBAN TRAIL PLANNING AND DESIGN
HEALTH, WELLBEING AND SAFETY // **HERITAGE CONSERVATION** // HISTORIC LANDSCAPES
 HISTORIC PRESERVATION AND ADAPTIVE REUSE // **HOUSING AND HOUSING POLICY** // HOMEBUILDING
 INDUSTRIAL, INSTITUTIONAL AND MANUFACTURING DESIGN // INFILL DEVELOPMENT // **INFRASTRUCTURE** // INDOOR AIR QUALITY
 INTEGRATED DESIGN // INTERIOR DESIGN // **INTERNATIONAL EXPOSITIONS** // LAND DEVELOPMENT
LANDSCAPE ARCHITECTURE // LANDSCAPE DESIGN // LANDSCAPE PERFORMANCE
LIGHTING DESIGN // **MARKET TRANSFORMATION** // MIXED-USE DESIGN // MIXED-USE DEVELOPMENT
NEIGHBORHOOD PLANNING // NET ZERO DESIGN // **PARKING** // PARKS // **PERFORMATIVE DESIGN**
 PHENOMENOLOGY // PLACEMAKING // **PUBLIC HEALTH** // PUBLIC PARTICIPATION // **PUBLIC SPACES**
 REAL ESTATE ANALYSIS // **REAL ESTATE DEVELOPMENT** // REAL ESTATE FINANCE
 REAL ESTATE LAW // **REGIONAL PLANNING** // REGIONALLY RESPONSIVE DESIGN // **RENEWABLE ENERGY** // RENOVATION
RESILIENT LANDSCAPES // RURAL AND GATEWAY COMMUNITY PLANNING // SITE ANALYSIS AND PLANNING // SMART CITIES
STORMWATER MANAGEMENT // SUSTAINABLE DESIGN // **SUSTAINABILITY** // TECHNOLOGY
 TRADITIONAL MATERIALS AND CONSTRUCTION SYSTEMS // TRANSIT-ORIENTED DEVELOPMENT // TRANSPORTATION // **URBAN DESIGN**
 URBAN HISTORY // **URBAN PLANNING** // URBAN WILDLIFE HABITAT // **WALKABILITY**



Student and Faculty Research Leads to ‘Most Endangered Historic Places’ Designation for Buffalo Soldier Camp

During the Mexican Revolution of 1910-1917, 35 military camps were established along the U.S.-Mexico border, including Camp Naco, the last surviving historic military establishment. Camp Naco’s original adobe structures serve as an historic benchmark of the Buffalo Soldiers and the contributions of Black regiments who served in a segregated Army following the Civil War. After the camp was decommissioned in 1923, however, the site passed through several owners and suffered from vandalism, exposure, erosion and fire.

Thanks to the work of CAPLA students **Sarah McDowell** and **Teresa DeKoker** and CAPLA Heritage Conservation Program Project Director **Helen Erickson**, Camp Naco was named one of America’s 11 Most Endangered Historic Places by the U.S. National Trust for Historic Preservation in May 2022. This recognition brings higher awareness of the camp’s historic significance and expands opportunities for grants and collaboration with organizations to help preserve the camp.

Learn more at capla.arizona.edu/camp-naco.

Photo by Helen Erickson.

Select Faculty Publications

JOURNALS

Applied Energy
Atmospheric Pollution Research
Building and Environment
Journal of the American Mosquito Control Association
Journal of the American Planning Association
Journal of Climate Change and Health
Journal of Planning Literature
Journal of Theatre and Performance Design
Journal of Transport and Health
Journal of Urban Design
Landscape and Urban Planning
Landscape Research
Nature
Progress in Disaster Science
Risk, Hazards and Crisis in Public Policy
Socio-Ecological Practice Research
Transportation Research Record
Water Policy

BOOK CHAPTERS, PROCEEDINGS AND REPORTS

Empower: Proceedings from the 110th ACSA Annual Meeting
Bringing Digitalization Home: How Can Technology Address Housing Challenges?
Completing the Circuit: Workforce Development for Advanced Building Construction and Grid-Interactive Efficient Buildings
HUD Offsite Construction for Housing Research Roadmap
International Mass Timber Report
Launching a Sustainable Data Center for the Future
Morphosis Model Monograph
Planning for Urban Heat Resilience
Transit Impacts on Jobs, People and Real Estate
Survey of Water Planning in Colorado Final Report

2021 GRASSROOTS RESEARCH SEED GRANTS

CAPLA Grassroots Research Seed Grants recognize that many of the ideas and initiatives driving CAPLA’s vision of *Building a changing world* come directly from faculty. These annual grants support and encourage our faculty in their innovative endeavors:

PRINCIPAL INVESTIGATOR	CO-PI	PROJECT TITLE	AWARD
Aletheia Ida	Kirk Dimond, Shujuan Li, Susannah Dickinson	Linking Design and Science: Knowledge Innovation Toward Adaptive Socio-environmental Ecologies	\$20,000
Kenneth Kokroko		Partnerships for Public Space: Transdisciplinary Methods for Community Engagement and Collaborative Design In South Tucson	\$10,000
Lisa Schrenk		American-Era Architecture of Saigon	\$10,000

‘Punctual Urbanisms’ Framework Clarifies Small-Scale Urban Planning Interventions

Guerrilla urbanism. Lighter, quicker and cheaper. Insurgent urbanism. Pop-up urbanism. These are just some of the 16 terms used widely, though rarely evenly, for rapid planning responses to urban problems. For University of Arizona PhD student **Monica Landgrave-Serrano**, Associate Professor of Landscape Architecture and Planning **Philip Stoker** and Assistant Professor of Public and Applied Humanities and Affiliated Assistant Professor of Architecture and Urban Planning **Jonathan Jae-an Crisman**, this wide variety of often overlapping terms is problematic, not only for scholars who study urban planning but also for practitioners who implement the interventions that by their very nature are executed quickly and inexpensively. Their solution: a new framework called “punctual urbanisms,” activities that share common benefits and strengths, including serving as tangible civic engagement opportunities for citizens of all ages and socioeconomic backgrounds, creating opportunities for inciting larger “movement[s] of city repair” and “bridging relationships between citizens and municipalities outside of traditional settings like public hearings and city meetings.”

Learn more at capla.arizona.edu/punctual-urbanisms.

Native American Advancement, Initiatives and Research Web Portal Launched

School of Landscape Architecture and Planning Assessment Coordinator **Kelly Eitzen Smith** has long been passionate about the University of Arizona’s role in supporting Indigenous and Native communities. Thanks to her support, UArizona’s Office of Native American Advancement and Tribal Engagement, Office of Native American Initiatives and Native Peoples Technical Assistance Office have launched the collaborative Native American Advancement, Initiatives and Research (NAAIR) web portal.

NAAIR offers an accessible go-to hub for information about the university’s rich array of Native and Indigenous research, education programs, outreach, community resources and engagement opportunities. “NAAIR’s website is a one-stop portal to everything Native on campus, including an across-campus calendar of current events and recent news items,” says Smith. “The site is meant to be empowering, celebratory and informative about what’s happening in our campus community.”

Access the NAAIR website at naair.arizona.edu.



CAPLA Professor Helps Land Tucson Midtown Townhomes on National Register of Historic Places

“Historic districts really preserve value in real estate, honor history and create community,” says **Linus Kafka**, UArizona professor of practice in planning and real estate law. Kafka has first-hand experience—beginning in 2019, he worked with fellow neighbors to add the 50-year-old Orchard River Garden Park in Tucson to the National Register of Historic Places. The “desert modernist” development of 136 units built on a former pecan orchard and designed by architect **Robert Swaim** was added to the list by the National Park Service this year. It was Pima County’s first addition to the National Register since 2009.

Learn more at capla.arizona.edu/orchard-river.

Photo by *Linus Kafka*.



In Wake of COVID-19, Employers Must Make Offices Healing Spaces

The COVID-19 pandemic emptied many offices, and there are indications the exodus won't be temporary. What does that mean for employers? Assistant Professor of Architecture **Altaf Engineer** and **Dr. Esther Sternberg**, professor of architecture, landscape architecture and planning (joint appointment) and director of the Institute on Place, Performance and Wellbeing, have come up with a roadmap to help companies rethink their office spaces in ways that could make workers happier and healthier.

Based on established research in the field of integrative medicine and integrative health, a paper published by the Engineer, Sternberg and UArizona's **Dr. Robert Crocker**, **Dr. Victoria Maizes** and **Dr. Andrew Weil** in November 2021 proposes a seven-domain framework—developed at the UArizona Andrew Weil Center for Integrative Medicine—for designing the built environment for wellbeing. The work draws on Sternberg's studies with the U.S. General Services Administration, which show that office space layout can encourage a person to move more and, in turn, reduce stress and improve sleep.

By fostering integrative health practices, a thoughtfully designed built environment can help make people more resilient to infections, including viruses such as coronaviruses. The pandemic has forced companies to rethink the role of offices in employee health and wellbeing and to prioritize designing for wellbeing.

Learn more at capla.arizona.edu/healing-spaces.

RESTRUCT

AND THE GRAND CHALLENGES OF THE BUILT ENVIRONMENT

RESTRUCT is the University of Arizona's interdisciplinary strategic initiative to tackle the four grand challenges of the built environment:

1. Redress inequality/injustice in re-envisioning the built environments.
2. Create resilient and efficient urban and rural systems.
3. Design for optimal health.
4. Enable innovation through better decision-making and data analysis.

Now a pillar of the Drachman Institute, the research-focused initiative is led by Assistant Professor of Architecture **Altaf Engineer**. In 2022 RESTRUCT was reorganized in consultation with the Arizona Institute for Resilient Environments and Societies (AIRES) to increase efficiency and joint coordination of research and fundraising while remaining a pan-university initiative.

In Spring 2022, RESTRUCT hosted the Spring Outdoor KIOSK Workshop, led by CAPLA Associate Professor of Architecture **Aletheia Ida**, which resulted in three interdisciplinary built environment-related seed grant proposals that are currently under review. Beginning in Fall 2022, RESTRUCT will create a model for industry partnerships and funding for built environment research at the university.

Learn more at restruct.arizona.edu.



Altaf Engineer, Assistant Professor of Architecture and Director, RESTRUCT.



CAPLA @ SXSW

INNOVATIVE DESIGN, DISPLAYS AND DISCOURSE AT THE UNIVERSITY OF ARIZONA WONDER HOUSE

From March 11-13, 2022, the University of Arizona hosted the Wonder House at South by Southwest, or SXSW—the nation’s premiere music, media, technology and culture conference held annually in Austin, Texas. Though this was UArizona’s first activation, the Wonder House was a hit thanks to its highly visible venue, compelling design and dynamic lectures and other events.

CAPLA Assistant Professor Jonathan Bean presents in the round at the UArizona Wonder House at SXSW22.

CAPLA photo.

CAPLA PLAYED A LEADING ROLE IN THE WONDER HOUSE AT SXSW22.

Professor of Practice in Architecture **Michael Kothke** was the design lead for the multidimensional, two-story Wonder House space. Not only was Kothke's concept visually stunning, it supported the flow of more than 2,000 visitors per day across spaces for presentations, interactive experiences, podcasting, meetings, live music and more.

CAPLA faculty and alumni were featured among the event's outstanding presenters:



Associate Professor of Architecture **Aletheia Ida**: *Naturally Adaptive Building Tech*



Assistant Professor of Architecture and Sustainable Built Environments **Jonathan Bean**: *Solar Decathlon as Catalyst for Innovation*



Assistant Professor of Landscape Architecture **Kenneth Kokroko** joined by MLA alumna and CAPLA Futures Council member **Kendra Hyson**: *Authentic Voices Part 1: A Conversation on Owning Your Voice and Claiming Space and Authentic Voices Part 2: A Guided Challenge to Own Your Voice and Claim Space*



Associate Professor of Landscape Architecture **Kirk Dimond** with PhD student **Kai Lepley**: *The Futuristic Farms and Resilient Rooftops that are Saving Tomorrow*



Professor of Architecture, Landscape Architecture and Planning (Joint Appointment) **Dr. Esther Sternberg** with **Dr. Rocky Crocker**: *De-Stress Your Environment and Your Life*

CAPLA Graduate Students Bring Sights and Sounds of the Sonoran Desert to Austin

“For thousands of years, the beauty of the Sonoran Desert has invoked wonder among its human inhabitants,” says **Hunter Lohse** when introducing the *Sonoran Soundscape* project that he and fellow Master of Landscape Architecture students **Alizabeth Potucek** and **Christian Galindo**—supported by Lecturer in Landscape Architecture **Travis Mueller**—created for the UArizona Wonder House at SXSW22 in March.

That beauty provided the muse for the students’ immersive audio/visual experience that “inspires users to reflect on the relationships between the colors, form and sounds extracted from the desert,” says Lohse. Displayed at the Wonder House’s in-the-round experience comprised of curving floor-to-ceiling video screens surrounding a circular stage, the forms, textures and colors of *Sonoran Soundscape* were abstracted from photographs and topography maps and then painted onto watercolor panels by the students. Nearly 50 panels were then digitized, digitally rendered and categorized into three different periods of the day: dawn, noon and dusk.

Projected throughout the day and evening between scheduled presentations, the subtle yet stunning images were edited by video to create a slow, seamless transition. They were also accompanied by music scored by award-winning composer and video artist **Yuanyuan (Kay) He**, a UArizona assistant professor of music.

While more than 100 people could experience *Sonoran Soundscape* at once, the multimedia experience itself grew out of a 1’ x 1’ x 1’ idea: Bloom Box, a cube featuring plants and colors from the Sonoran Desert the students created in their first MLA design studio. “When we were asked to submit an idea, we pitched a human-scale Bloom Box that someone could sit within and fully immerse themselves in the projected images,” says Lohse.

“The first time I saw it in person, I teared up,” says Lohse of *Sonoran Soundscape*. “The project had been delayed for two years due to the pandemic, so to finally see it at scale and observe attendees interact in the space was really satisfying.”

Learn more and view *Sonoran Soundscape* videos at capla.arizona.edu/soundscape.



MLA students Christian Galindo, Alizabeth Potucek and Hunter Lohse prepare images for *Sonoran Soundscape*.

Photo courtesy Hunter Lohse.

Sonoran Soundscape in action at SXSW22.

UArizona photo.

CAPLA IN THE NEWS



“Casa Schneider / Ibarra Rosano Design Architects”

Teresa Rosano, Assistant Professor of Practice in Architecture

“Ventana House / HK Associates Inc”

Michael Kothke, Professor of Practice in Architecture

Architizer

“8 Student Projects Demonstrate Ingenious Approaches to the Future of Accessibility”

Bachelor of Architecture Students

Arizona Daily Star

“Let’s choose a path toward local water sustainability”

Courtney Crosson, Associate Professor of Architecture

Civil Engineering

“Arizona city pilots small green infrastructure projects”

Courtney Crosson, Associate Professor of Architecture

dwell

“Step Inside America’s Best Independent Design Shops”

Oscar Lopez, Senior Lecturer in Architecture

FAST@MPANY

“The internet is killing the environment. These students came up with a brilliant design fix”

Aletheia Ida, Associate Professor of Architecture



“Are Buildings The ‘Elephant In The Room’ When It Comes To Meeting Climate Change Goals?”

“Climate change goals require more efficient buildings. The infrastructure law could help.”

Jonathan Bean, Assistant Professor of Architecture and Sustainable Built Environments



“UA professors win prize for robotic technology that addresses climate change, labor shortage”

Jonathan Bean, Assistant Professor of Architecture and Sustainable Built Environments

“Tucson pushes toward climate action goal”

Ladd Keith, Assistant Professor of Planning and Sustainable Built Environments



“UARizona architecture students construct new affordable housing”

Mary Hardin, University Distinguished Professor of Architecture

Eric D. Weber, Associate Professor of Architecture



“Will More Cities Hire a Chief Heat Officer”

Ladd Keith, Assistant Professor of Planning and Sustainable Built Environments



The ramifications of exploding interests in small-town living during the pandemic.”

Philip Stoker, Associate Professor of Landscape Architecture and Planning

preservation

“Inside the Latest Conservation Work at Arizona’s Spectacular San Xavier del Bac”

Robert Vint, Assistant Professor of Practice in Architecture



“Inner Sanctum”

Teresa Rosano, Assistant Professor of Practice in Architecture

The Salt Lake Tribune

“Neighbor wasting water? Is ‘water shaming’ the answer?”

Courtney Crosson, Associate Professor of Architecture

Ladd Keith, Assistant Professor of Planning and Sustainable Built Environments



“Design Icon Project: Anello”

Oscar Lopez, Senior Lecturer in Architecture



“There’s no place in the US safe from the heat”

Ladd Keith, Assistant Professor of Planning and Sustainable Built Environments

The New York Times

“How Do You Add On to the Perfect Small House? You Don’t”

Jesús Edmundo Robles Jr, Assistant Professor of Practice in Architecture

The Washington Post

“Cities are turning to supercharged bus routes to more quickly and cheaply expand transit services”

Arthur C. Nelson, Professor of Urban Planning and Real Estate Development



“Rendering: Immersive Architecture”

Michael Kothke, Professor of Practice in Architecture



Inaugural Institute for the Study of International Expositions Symposium Looks to the Past to See the Future

On March 24 and 25, 2022, the Institute for the Study of International Expositions (ISIE) hosted its first annual symposium: *International Expositions: Looking to the Past, Seeing the Future*. The symposium—which was jointly sponsored by CAPLA, the University of Arizona Office of Research, Innovation and Impact, and the Centre for Transformative Media Technologies at Swinburne University, Australia—brought scholars and enthusiasts together online to generate new ideas about the history and legacy of international expositions.

“This symposium is the first major event for a new global, interdisciplinary organization for the study of international expositions,” says **Lisa Schrenk**, CAPLA professor of architectural history and theory and a lead conference organizer. “By serving as vertical slices in the timeline of human history since 1851, world’s fairs provide important insights into the interconnectivity between aspects of modern human development, including the social, political, technical and artistic. They also help shape the future by presenting platforms for innovative visions of tomorrow.”

Through the conference, ISIE emphasized new and developing strategies for research, curation and preservation with the goal of facilitating both scholarly and popular understandings of the significance of these global events. “Our aim was to ensure that participants left the symposium with new insights into the study of expositions and a stronger connection to the global community of scholars involved in explorations of world’s fairs,” says Schrenk.

Learn more about the ISIE and its annual symposium at www.isie-global.org.

Photo by Lisa Schrenk.

CAPLA EVENTS

CAPLA, the School of Architecture and the School of Landscape Architecture and Planning hosted a dynamic array of events in the 2021-2022 academic year, including the following lectures:

- **Arlie Adkins:** The Criticality of Context: Centering the Sociocultural in Planning and Urban Design Practice
- **Sigrid Adriaenssens:** Extraordinary Mechanics and Structural Innovation in Architecture
- **Jonathan Jae-an Crisman:** Civic Expression: Art, Culture and the Built Environment in Little Tokyo
- **Courtney Crosson:** Designing Food Systems in an Urban Desert
- **Kirk Dimond:** A Photovoltaic Green Roof
- **Urs Peter Flueckiger:** Natural Light: The Architecture of Donald Judd
- **Jie Hu:** Urban Design with Nature—Exploring Sustainable Urban Development in China
- **Jason Jurjevich:** Navigating Differential Privacy in Decennial Census Data
- **Rozana Montiel:** Something from Nothing
- **Bissera Pentcheva:** 2021 Stahl Lectures: Hagia Sophia and the Byzantine Vision of Empire; and Image, Chant and Imagination at Ste. Foy in Conques
- **Alan Ricks:** Justice is Beauty
- **Mónica Ramírez-Andreotta:** Cultivating Science, Justice and Action Through Participatory Research Methods
- **Linda C. Samuels:** Infrastructural Opportunism, Infrastructural Urbanism, Infrastructural Optimism
- **Lisa Schrenk:** An Architect’s Laboratory: The Early Studio of Frank Lloyd Wright
- **Štefan Tkáč:** Vann Molyvann (with Exhibition)
- **Mabel O. Wilson:** Can We Forget? A Memorial to Enslaved Laborers



Rwanda Institute for Conservation Agriculture, by MASS Design Group.

Images courtesy Alan Ricks.



Memorial to Enslaved Laborers, University of Virginia, by Mabel O. Wilson.

Photo by S. Suchak, courtesy Mabel O. Wilson.

ACADEMIC PROGRAMS

ENERGETIC APPROACHES TO BUILT ENVIRONMENT EDUCATION



“ At CAPLA, we are growing in student and faculty numbers, in degree options and in faculty productivity.

2022 was a very busy year! The college has been gripped by inspiring and energetic activism on the part of faculty, staff and students across all areas of our mission. As a result, we are growing in student and faculty numbers, in degree options and in faculty productivity.

In Spring 2022 we completed the search for a new director of the School of Architecture. This was truly an international search with candidates from Latin America, Asia and Europe, as well as the United States. After initial Zoom interviews of 13 candidates, we narrowed the search to four finalists and eventually offered the position to **Ryan Smith**. He has already hit the ground running this fall!

Also in the spring, we advertised the CAPLA Emerging Faculty Fellowship, a two-year position intended to support new faculty doing interdisciplinary work centering on the built environment. We intend to mentor these faculty as they move into teaching roles, partner with them in research collaborations and learn from them as they bring us cutting-edge knowledge from their recent training. Again, we had a robust pool and were able to secure our top choice, **Seth Asare Okyere**, a planner who is now visiting assistant professor in the School of Landscape Architecture and Planning. In the future, we plan to make one new fellowship hire each year.

There were many other faculty hires within the schools and several existing faculty members, both tenure-track and career-track, who succeeded in their quest for promotion and are now moving into new leadership positions within and outside of the college. The process

of preparing for promotion review is an arduous one and success is certainly to be celebrated. Finally, still on the personnel front, CAPLA programs have benefitted greatly from our new CAPLA recruiter, with a bumper crop of undergraduates matriculating in Fall 2022.

In curricular affairs, we have launched CAPLA participation in the new Bachelor of Arts in Design Arts and Practices shared with the School of Art and School of Information. We are confident that our Spatial Design and Object Design emphasis areas will be attractive to students with a transdisciplinary, trans-scalar interest in design. Another offering new in 2022 was the CAPLA Student Externship, a one-week, all-expenses-paid opportunity for students to shadow principals at a firm. CAPLA alumni who lead firms nationwide have been generous in stepping up to mentor students about the professional world. In an effort to increase our student diversity and improve retention, faculty and staff also launched a student mentoring program focused on transition from the first year of study to the second.

In closing, I am honored and privileged to have so many energetic, innovative colleagues working with me to realize our ambitions for CAPLA.

Laura H. Hollengreen
Laura H. Hollengreen
Associate Dean for Academic Affairs
Associate Professor of Architecture

CAPLA GRASSROOTS TEACHING INNOVATION SEED GRANTS

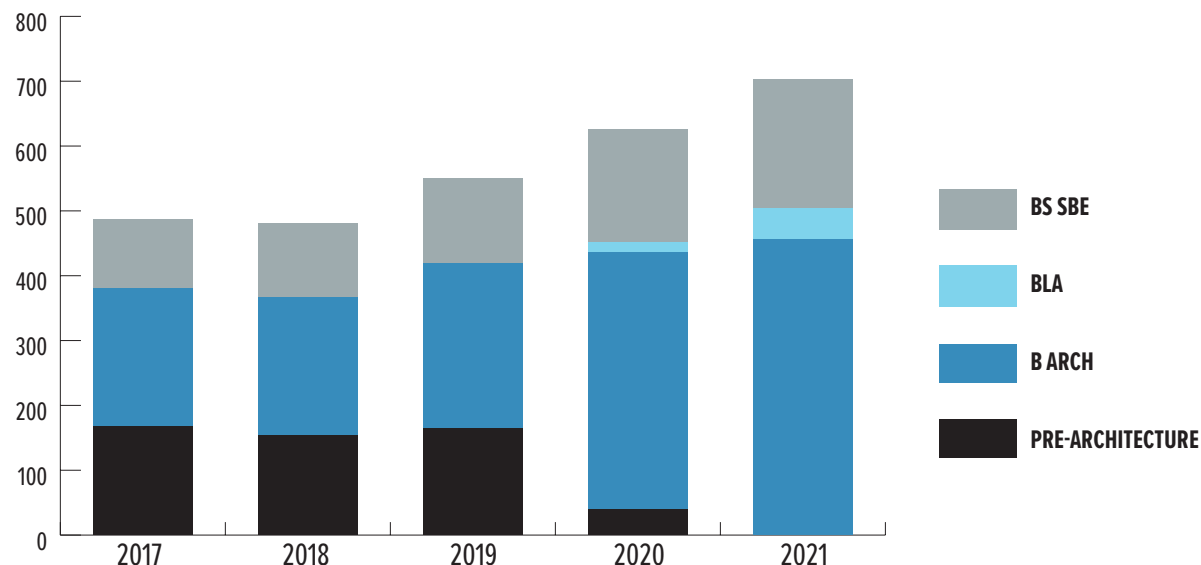
Awarded once per year, CAPLA Grassroots Teaching Innovation Seed Grants are given to faculty proposals that demonstrate promise in one or more of the following areas: active learning, collaborative and/or interdisciplinary teaching/learning, student research experience, international experience and pedagogical innovation or research.

In 2021, the following Grassroots Teaching Innovation Seed Grants were awarded:

PRINCIPAL INVESTIGATOR	CO-PI	PROJECT TITLE	AWARD
Laura Hollengreen		Light in Modern and Contemporary Art and Architecture	\$10,000
Chris Trumble	Altaf Engineer	Engagement, Collaboration and Performance in Moyo, Uganda	\$10,000

Growth in CAPLA Undergraduate Programs

CAPLA Undergraduate Students by Program (2017-2021)

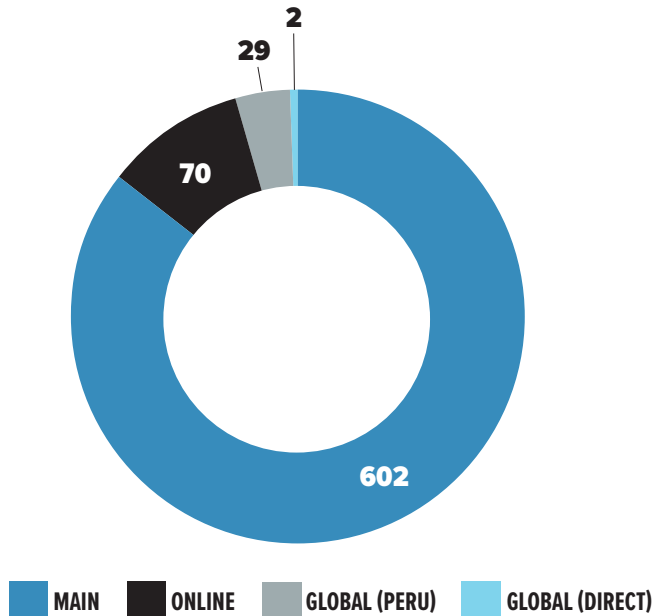


ACADEMIC PLAN	FALL SEMESTER				
	2017	2018	2019	2020	2021
PRE-ARCHITECTURE	167	154	164	39	
ARCHITECTURE (B ARCH)	213	213	256	397	456
LANDSCAPE ARCHITECTURE (BLA)				16	48
SUSTAINABLE BUILT ENVIRONMENTS (BS SBE)	107	114	130	174	199
TOTAL	487	481	550	626	703
Year Over Year Change (Headcount)		-6	69	76	77
Year Over Year Change (%)		-1.2%	14.3%	13.8%	12.3%

Notes

1. Data based on census date for each year (21st calendar day of Fall semester).
2. In Fall 2020, Pre-Architecture and B Arch were reorganized, resulting in the phaseout of the Pre-Architecture designation.
3. The growth of BS SBE enrollment is primarily due to the online campus program (from 20 students in Fall 2017 to 70 students in Fall 2021) and the UPC Lima microcampus program, which began Spring 2020.

Undergraduate Student Enrollment by Campus Fall 2021



Notes

1. Data based on census date for each year (21st calendar day of Fall semester).

2. The Global (Direct) campus for Arizona students taking fully online coursework from outside the U.S., but not through Arizona Online.



CAPLA photo.

CAPLA Launches Interdisciplinary Bachelor of Arts in Design Arts and Practices with Emphasis Areas in Object and Space

CAPLA has partnered with the School of Art and School of Information to offer a new, transdisciplinary undergraduate degree. The Bachelor of Arts in Design Arts and Practices is a four-year degree that prepares students to collaboratively work across media, scales and disciplines to tackle such complex problems as climate change, public health emergencies and social and environmental inequity. Four emphasis areas are available: Object Design, Spatial Design, Print Design and Screen Design. CAPLA's School of Architecture supports the Object Design and Spatial Design emphasis areas.

"By communicating complex information through data visualizations, designing innovative solutions using rapid prototyping and fabrication and devising new ways to conceive and inhabit spaces, designers solve the world's most urgent and complex challenges," says **Beth Weinstein**, associate professor of architecture and BA DAP program chair for the Object Design and Spatial Design emphasis areas.

The degree's 120-unit curriculum is unique because there are multiple pathways students may take, moving in and among art, design, information studies and technology courses. With tangible technical skills, knowledge and experience in addition to soft skills in collaboration, empathy and human-centered design, students will be positioned for successful design careers, including user experience and interface design, object and product design, visual and graphic communication, spatial and environmental design, interior design, human-scale urban design and experience strategy.

Learn more at capla.arizona.edu/ba-dap.

SPONSORED BACHELOR OF ARCHITECTURE STUDIOS



Consequence, by Jules Cervantes, winner of the Honor Award in the User Experience, Fall 2021 Richärd | Kennedy Fourth-Year Studio Prize. Image by Jules Cervantes.



Los Nopales Farmer's Market. Rendering by Andrea Riehle and Mehli Romero.

RICHÄRD | KENNEDY FOURTH-YEAR STUDIO PRIZE FOCUSES ON ENVIRONMENTAL INNOVATION AND WATER CONSCIOUSNESS

Built environment innovation. Water consciousness. These are the principles fourth-year Bachelor of Architecture students considered when crafting designs for a UArizona research center at the base of Sentinel Peak, along Tucson's Santa Cruz River.

"One of the main challenges was balancing subtlety with being bold," says **Matthew Cullen**, one of five Honor Award winners of the Fall 2021 Richärd | Kennedy Fourth-Year Studio Prize, along with **Kaya Orona**, **Diego Limon**, **Kavan Furukawa** and **Jules Cervantes**. The prize totals \$10,000 in awards and, since 2015, has been generously funded by Phoenix-based Richärd | Kennedy Architects.

**RICHÄRD
KENNEDY
ARCHITECTS**

Students submitted their designs in two of five total categories: Architectural Narrative, Systems Integration, Urban Catalyst, Building Skin and User Experience. Their projects are set in the year 2030, aligning with UArizona's mission to "engage with people through applied research and education to improve lives, families, communities, the environment and economies in Arizona and beyond."

The ARC 401 Studio was coordinated by **Michael Kothke**, professor of practice, and students were also guided by CAPLA instructors **Laura Carr**, **Brian Farling**, **Brad Lang**, **Eric Sterner** and **Shawn Swisher**.

Learn more at capla.arizona.edu/rk-prize.

GLHN-SPONSORED ARCHITECTURE STUDIO CRAFTS PARADIGM FOR A SUSTAINABLE URBAN FOOD FUTURE

Over the past five years, studios led by Associate Professor of Architecture **Courtney Crosson** and sponsored and advised by GLHN Architects & Engineers have focused on designing a more sustainable Tucson by 2050. In 2017, Crosson's students produced designs for an eco-district, followed by a future downtown in 2018 and a water-independent downtown in 2019. The final studio, held in the Fall 2021 semester, turned to the critical nexus of food-water-energy and the resulting student works are visionary designs for urban agriculture and sustainability.

"Cities of the future can and must be capable of providing for themselves and minimizing how much waste they produce," says **Samuel Owen** '22 B Arch. "Wherever there are concentrations of people, there's a need to produce food and a benefit to empowering the people to do it themselves."

GLHN

Students were tasked with designing urban food systems that rely on sustainable water sources. Student teams were paired with five community organizations, each representing various typologies for the future of food systems in Tucson: river-adjacent (Mission Garden), community garden (Los Nopales Community Garden and Kitchen), backyard farming (Community Food Bank of Southern Arizona and Pima County Regional Flood Control District), food hub and community garden (Las Artes) and indoor-controlled agriculture (Merchant's Gardens, a converted former school).

"Each project involved community outreach and collaboration to ensure our designs had proactive and efficient solutions to water and food systems while addressing the community's social wellbeing, economic development and environmental protection," says **Andrea Riehle** '22 B Arch.

Learn more at capla.arizona.edu/urban-food-systems.



Alexis Champion's *Bisbee Mercado*, winner of the 2021 AGM/Ascension Wheelchair Lifts Universal Design Prize.

THIRD-YEAR B ARCH STUDENTS CREATE AWARD-WINNING, ACCESSIBLE DESIGNS FOR BISBEE, ARIZONA

Last fall, third-year Bachelor of Architecture students in a studio led by Assistant Professor of Practice **Teresa Rosano** and fellow architecture faculty members **Dulce Arambula**, **Eduardo Guerrero**, **Siri Trumble** and **Beth Weinstein** participated in a universal design awards program generated from a partnership between AGM/Ascension Wheelchair Lifts and CAPLA—the first UArizona studio series to emphasize ADA-related design considerations.

The challenge for students was to design a performance and art center in Bisbee, Arizona that hosts art exhibits, performances and other events, as well as temporary living spaces, while incorporating the principles of universal design.



Students created masterful and aesthetically beautiful designs that prove the power of limits. The top three were awarded cash prizes totaling \$5,000, while five students were awarded \$700 each in the Innovation categories. **Alexis Champion** won first-place with her *Bisbee Mercado*, a place for artists, makers and creatives to gather as a community and create and sell their work in a welcoming space for locals and tourists alike. The second-place winning design is **Andy Demetriou's** *Bisbee Art Center*. Demetriou saw the ruin of a wall covered with graffiti on the site as inspiration. For **Brandon Willmon**, who won third prize for his *Apelido Theatre Company*, a multi-functional performance space and residency hall, inspiration came from martial arts and dance. Innovation awards were won by **Ralph Mersiowsky**, **Tyler Newman**, **Eva Serbin**, **Alyssa Fink** and **Freddy Arvizu**.

Learn more at capla.arizona.edu/bisbee.



CAPLA photo.

What Materials Can Make Data Centers Sustainable? Students Collaborate with Google and Microsoft to Find Out

Associate Professor of Architecture **Aletheia Ida** and University of Arizona students in architecture and biosystems engineering have concluded a year-long, collaborative research and design project with the University of Washington and University of Pennsylvania funded by Google, with in-kind support from Microsoft. The study's purpose: explore a more sustainable future for data centers.

With input from Google and Microsoft, Ida, researchers from UW and Penn, and students from their respective institutions each examined a different aspect of data center design, contributing to a book published in October 2021: *Launching a Sustainable Data Center for the Future*.

The fascinating, image-rich book focuses on several key areas critical to the design of future sustainable data centers: innovation, holistic design and context. While students from the University of Washington focused on data center design and Penn students focused on climate, UArizona students explored materials by investigating material properties, exploring material probes and designing integration proposals.

Learn more at capla.arizona.edu/data-centers.



MRED Students Research 50 Years of Commercial Real Estate Development in Tucson

When the *Arizona Daily Star* sought to create a “visual trip down memory lane” of Tucson’s commercial real estate development over the last five decades, it turned to students in CAPLA’s Master of Real Estate Development program. And the students—working with newspaper staff plus appraisers Baker & Associates, under the guidance of Lecturer in Real Estate Development **James Brian Marian**—did not disappoint. The result: a decade-by-decade, 24-page spread in Tucson’s hometown paper: “50 Years of Commercial Real Estate Development in Tucson.”

From the 150-room Plaza International Hotel on the southeast corner of Campbell Avenue and Speedway Boulevard completed in 1971 to Caterpillar’s Tucson Mining Center west of Interstate 10 in the Mercado District completed in 2019, the richly detailed showcase features 44 photos and information about nearly 40 Tucson commercial projects.

Learn more at capla.arizona.edu/tucson-50.

Photo by William Blake.

CAPLA Celebrates First UPC Lima Microcampus Graduates

In December 2021, CAPLA honored our first graduates of the Bachelor of Science in Sustainable Built Environments microcampus program from La Universidad Peruana de Ciencia Apilcadas (UPC) in Lima, Peru. Seventeen UPC students received their UArizona degree, while 10 students (joined by their supportive families) were celebrated in person at a reception in CAPLA’s Underwood Sonoran Garden. Congratulations to our first BS SBE microcampus class!

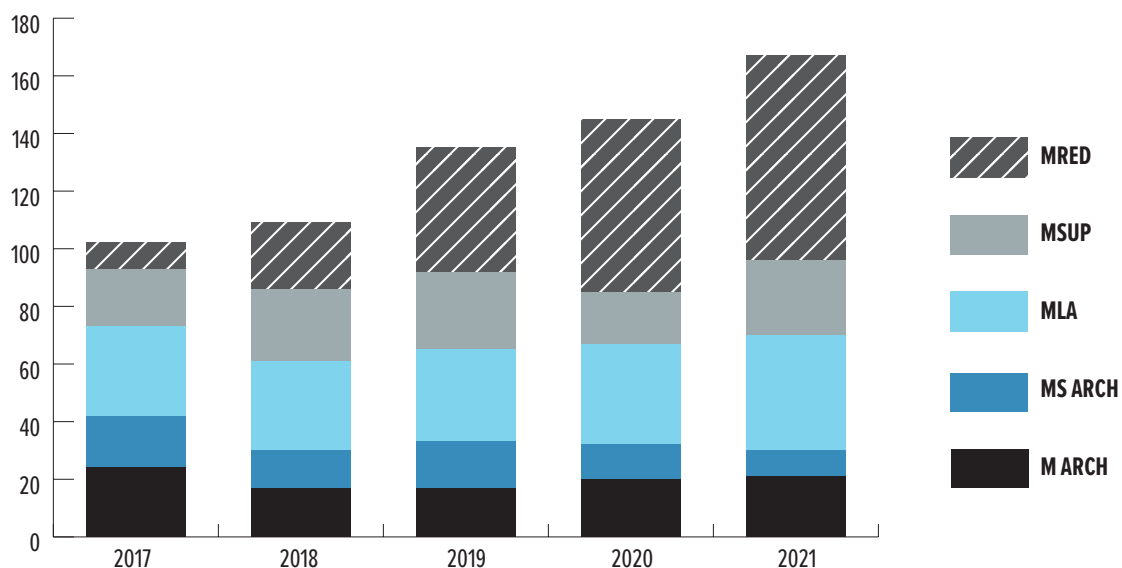
Meet the BS SBE graduating students from UPC and all Class of 2022 CAPLA graduates at caplashowcase.arizona.edu.

CAPLA photo.

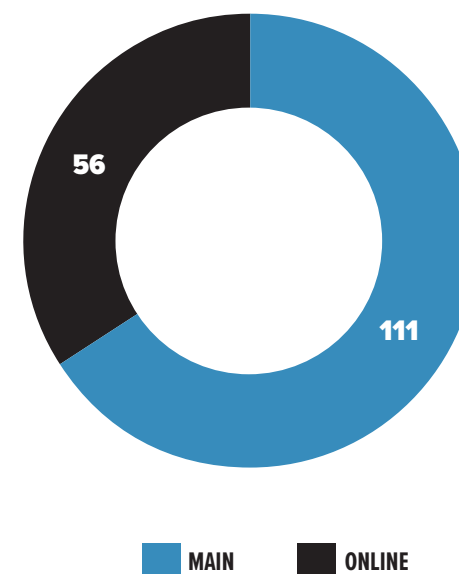


Growth in CAPLA Graduate Programs

CAPLA Graduate Students by Program 2017-2021



Graduate Student Enrollment by Campus Fall 2021



ACADEMIC PLAN	FALL SEMESTER				
	2017	2018	2019	2020	2021
ARCHITECTURE (M ARCH)	24	17	17	20	21
ARCHITECTURE (MS ARCH)	18	13	16	12	9
LANDSCAPE ARCHITECTURE (MLA)	31	31	32	35	40
URBAN PLANNING (MSUP)	20	25	27	18	26
REAL ESTATE DEVELOPMENT (MRED)	9	23	43	60	71
TOTAL	102	109	135	145	167
Year Over Year Change (Headcount)		7	26	10	22
Year Over Year Change (%)		6.9%	23.9%	7.4%	15.2%

Notes

1. Data based on census date for each year (21st calendar day of Fall semester).
2. The growth in the MRED program is primarily due to the online campus program (from 10 students in Fall 2018 to 56 students in Fall 2021).

Notes

1. Data based on census date for each year (21st calendar day of Fall semester).



CAPLA photo.

How Does CAPLA Help Students Find Jobs? The Largest Job Interview Fair So Far Opens Doors

The 12th Annual College of Architecture, Planning and Landscape Architecture Job Interview Fair, made possible by the Chasse Building Team and 22 other sponsors, was held February 10-11, 2022. For the first time, the interactive two-day event took place both online and in person.

Each spring, the CAPLA Job Interview Fair provides a unique experience where students can meet with employers and firms across the country to get a sense of the broad array of built environment careers. A total of 42 employers participated in this year's event, each providing students the opportunity to learn critical interviewing skills and share their portfolios.

While CAPLA students in architecture, landscape architecture, real estate development, sustainable built environments and urban planning gained insight into the variety of organizations and their internships and career positions, companies gained perspective on new talent entering the workforce.

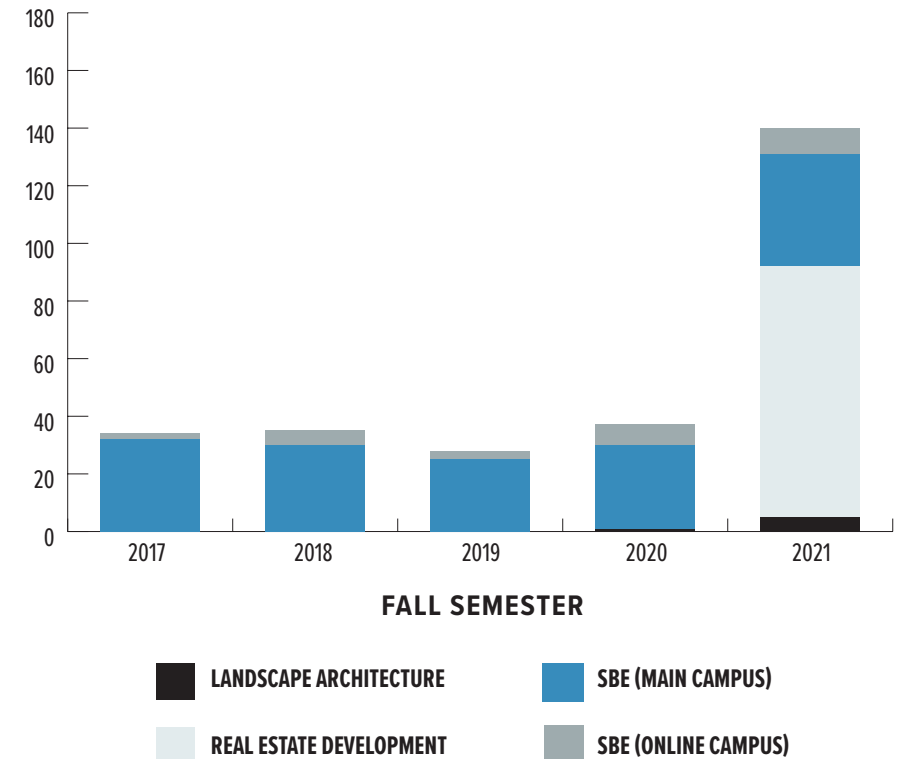
"It's important for professionals to provide balanced, real-world opportunities to students while in school and provide such pathways even during the pandemic," says **Aaron Tsosie**, project captain with SPS+ Architects. "We felt honored to have several students choose to interview with us as their first interview experience ever, and we were happy to provide feedback and build confidence during an important time in their lives."

A total of 145 students participated—105 undergraduate and 40 graduate. With the flexibility of the new hybrid format, a total of 536 interviews were held, CAPLA's largest turnout yet.

Learn more at capla.arizona.edu/2022-job-fair.

Growth in CAPLA Undergraduate Minors

CAPLA Undergraduate Minor Enrollment 2017-2021



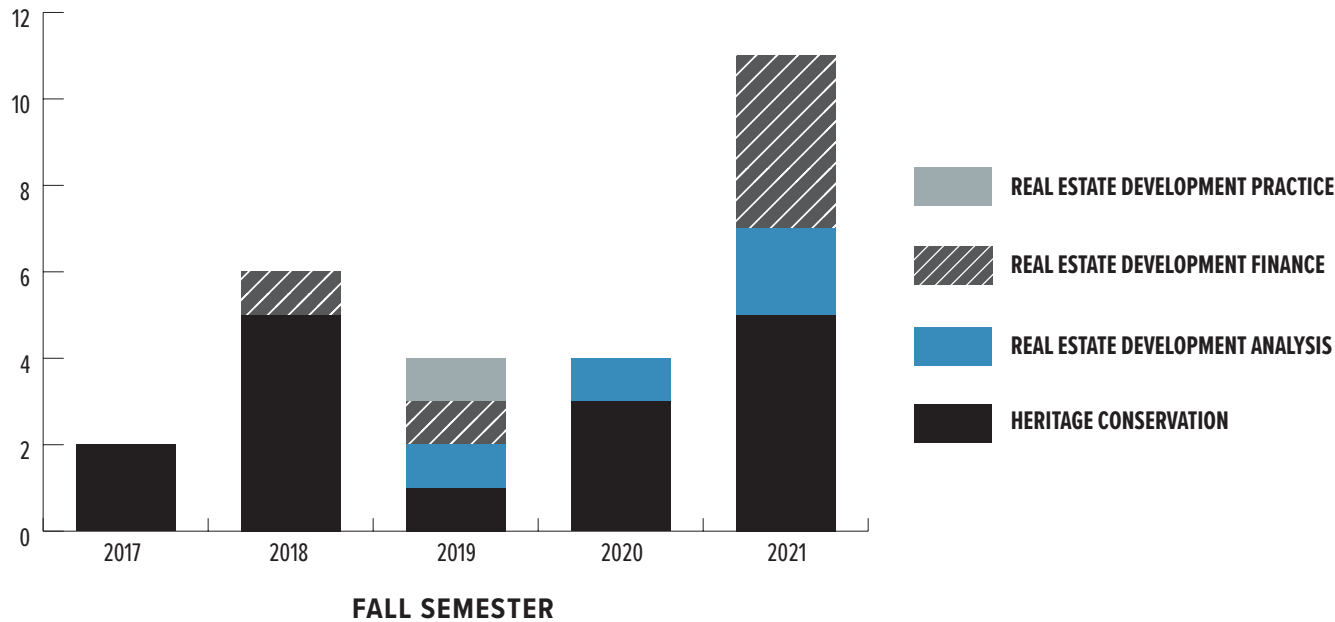
Notes

1. Data based on census date for each year (21st calendar day of Fall semester).
2. The Minor in Landscape Architecture launched in Fall 2020 and the Minor in Real Estate Development launched in Spring 2021.



Growth in CAPLA Graduate Certificate Programs

CAPLA Graduate Certificate Program Enrollment 2017-2021



Notes

1. Data based on census date for each year (21st calendar day of Fall semester).
2. The majority of enrollments are driven by main campus.



Architecture Undergraduate Serves on National Jury for AIA 2022 Architecture Awards

Ana Astiazaran '22 B Arch, who received a national COTE Top Ten for Students Award for Sustainable Design Excellence from the American Institute of Architects in 2021, served as one of nine national judges for the AIA 2022 Architecture Awards. Astiazaran, who represented the American Institute of Architecture Students national organization, was the only student jury member in the esteemed competition.

“My experience was challenging but quite enjoyable,” says Astiazaran. “I had the opportunity to meet outstanding architects who practice across the country and who I admired before participating. However, I had to look at them as my colleagues and work as a team so we could value everyone’s input, and they made me feel like one of them—not just a student.”

The AIA named the 11 international projects showcased in *Architect* magazine that exemplify the “best in contemporary architecture” in February 2022.

Learn more at capla.arizona.edu/aia-jury.

Ana Astiazaran '22 B Arch.



UArizona photo.

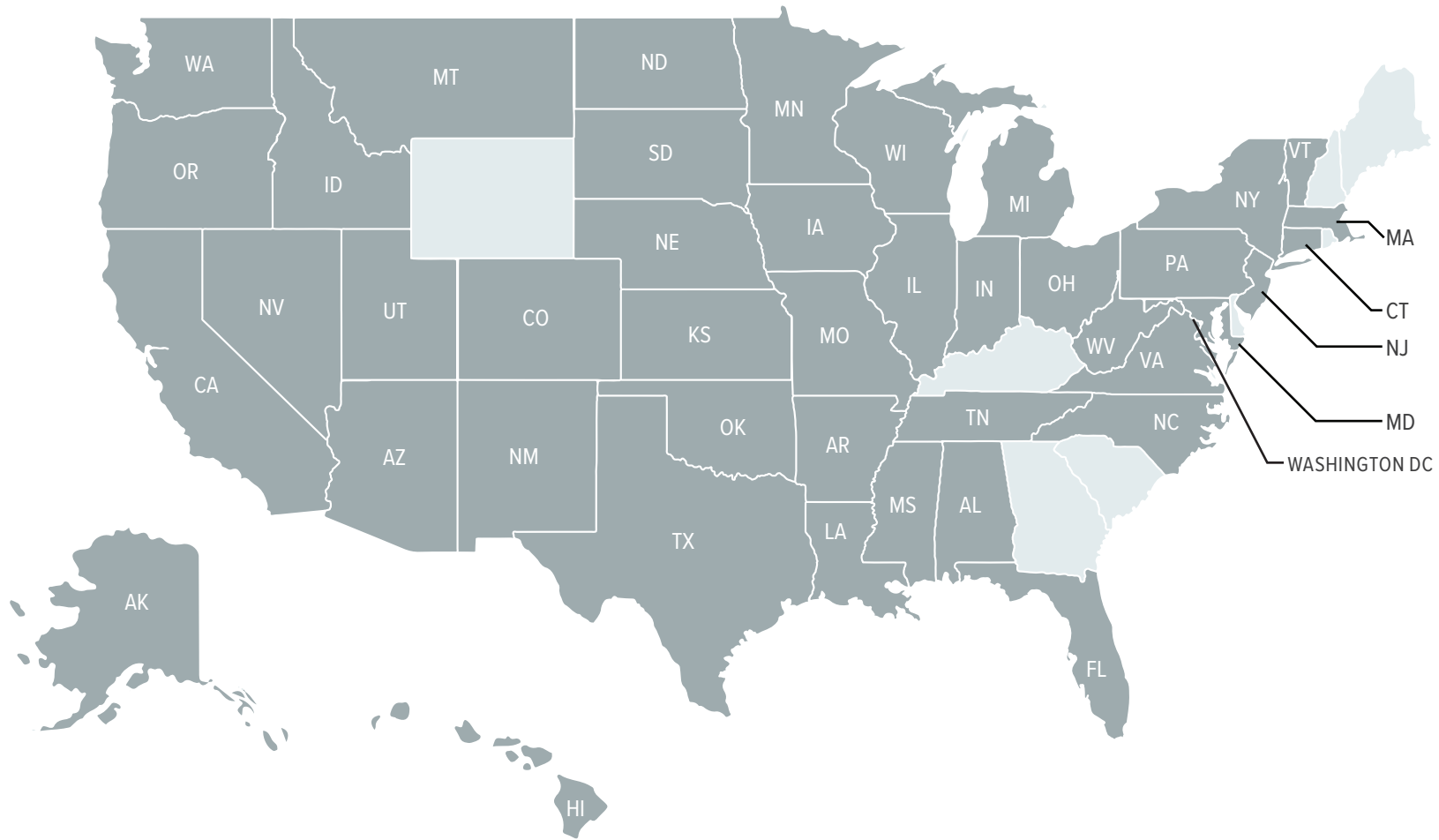
WHERE ARE CAPLA STUDENTS FROM?

Undergraduate Home State and Country Fall 2021

CAPLA undergraduate students come from Arizona and 45 other states and U.S. territories, and from the U.S. and 20 other countries.

U.S. TERRITORIES/OTHER

- Armed Forces Overseas High School
- American Samoa
- Puerto Rico



COUNTRIES

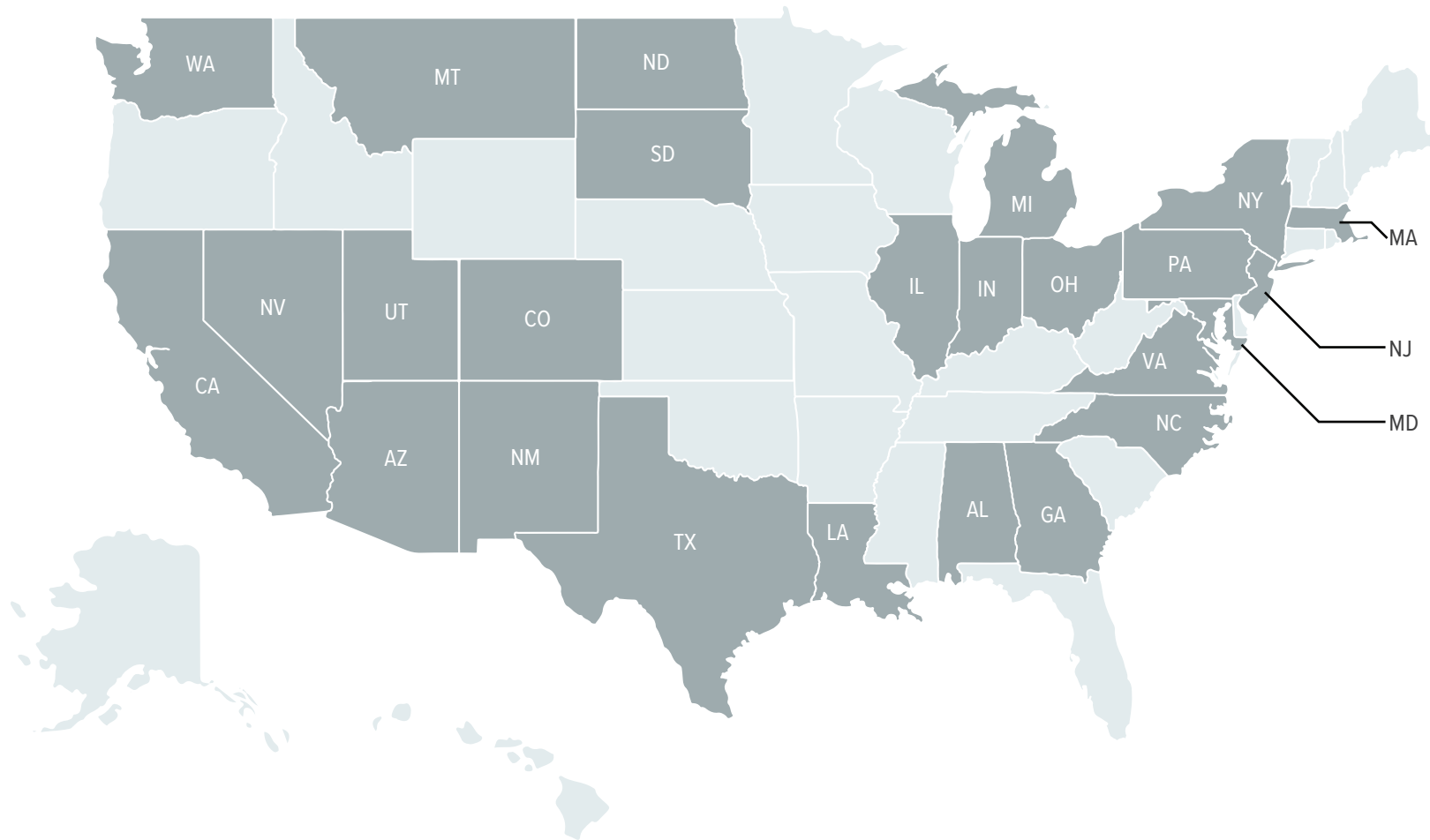
Angola	Guam	Nigeria	United Kingdom
Bahrain	Honduras	Peru	United States
Belgium	Kazakhstan	Saudi Arabia	Viet Nam
Brazil	Korea	South Africa	
Canada	Kuwait	Taiwan	
China	Mexico	Togo	



WHERE ARE CAPLA STUDENTS FROM?

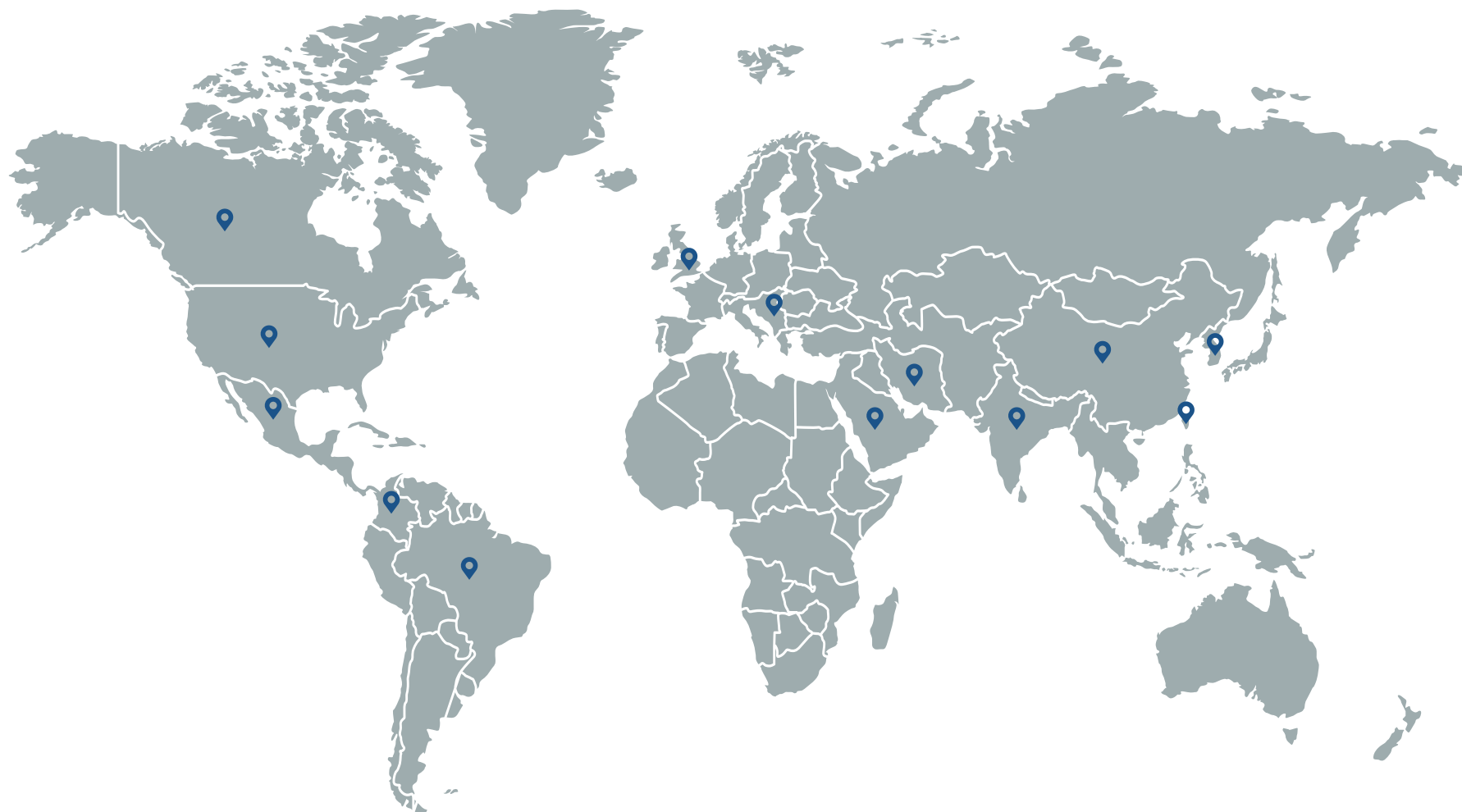
Graduate Home State and Country

CAPLA graduate students come from Arizona and 25 other states, and from the U.S. and 12 other countries.



COUNTRIES

Brazil	Iran	Taiwan
Canada	Korea	United Kingdom
China	Mexico	United States
Colombia	Saudi Arabia	
India	Serbia	

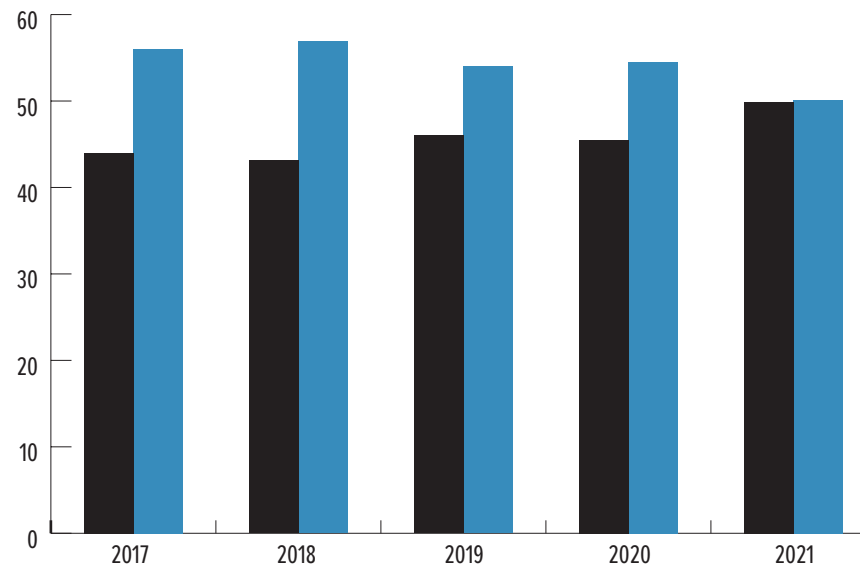
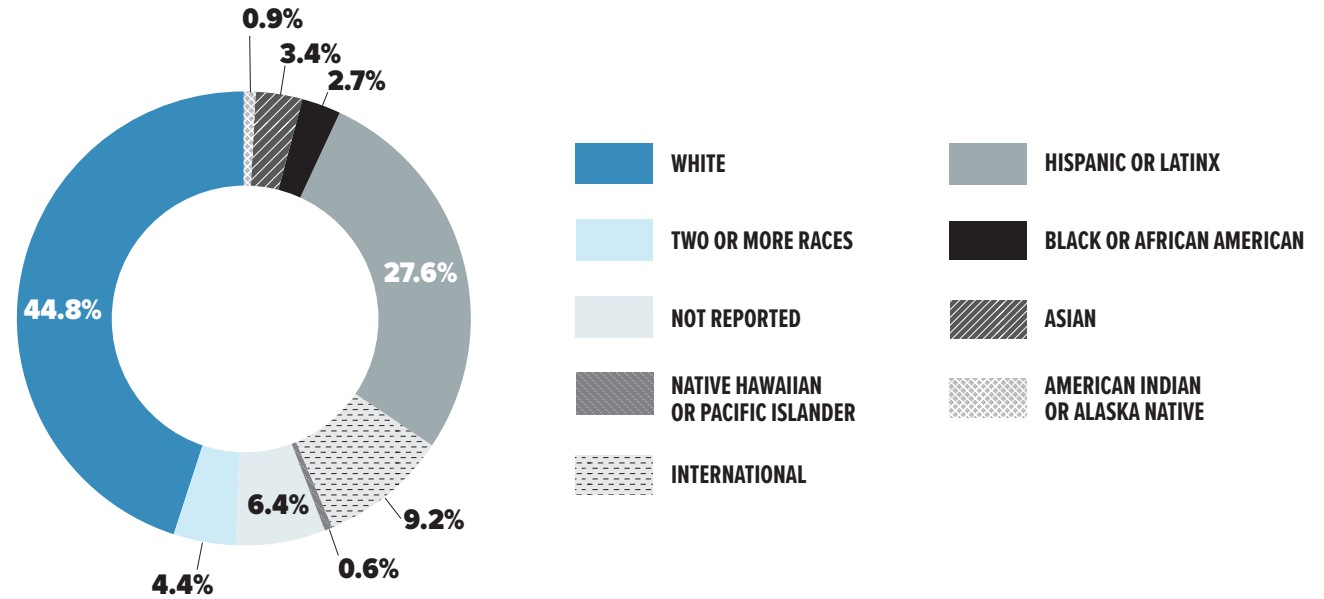


OUR STUDENT ORGANIZATIONS

- AIAS: American Institute of Architecture Students
- ASLA: American Society of Landscape Architects
- CAPLA ISC: International Students Club
- GPS: Graduate Planning Society
- NOMA: National Organization of Minority Architects Arizona Student Chapter
- PUENTE: CAPLA Hispanic Student Organization
- Tau Sigma Delta Honor Society in Architecture and Allied Arts
- USGBC-SC: U.S. Green Building Council Student Chapter, UArizona
- WIAS: Women in Architecture Society

Learn more about CAPLA's dynamic student organizations at capla.arizona.edu/clubs.

Undergraduate Student Race/Ethnicity Fall 2021

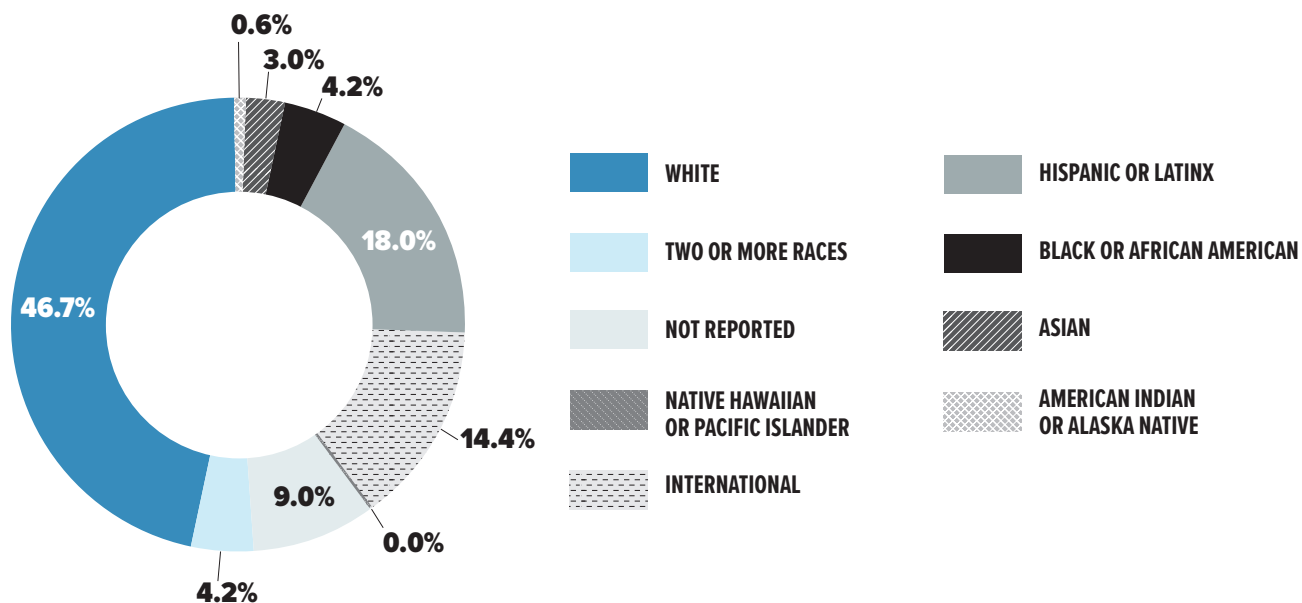


Undergraduate Student Reported Gender Fall 2017-2021



Graduate Student Race/Ethnicity

Fall 2021

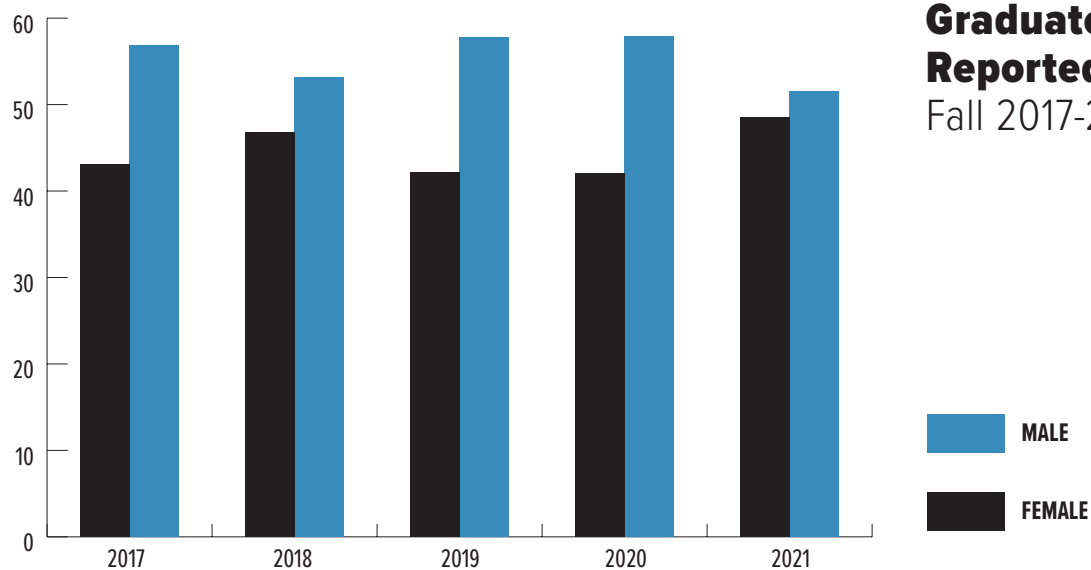


EQUITY, DIVERSITY AND INCLUSION AT CAPLA

View more details on the demographics of CAPLA students, faculty and staff—and learn about our ongoing, college-wide efforts toward equity, diversity and inclusion—at capla.arizona.edu/edi.

Graduate Student Reported Gender

Fall 2017-2021



ARCHITECTURE STUDENTS WIN

2022 U.S. DEPARTMENT OF ENERGY SOLAR DECATHLON DESIGN CHALLENGE GRAND PRIZE



Assistant Professor Jonathan Bean with students from CAPLA's winning team in the Solar Decathlon Design Challenge.

Photo courtesy U.S. DOE.

If we are truly to build a changing world, we must tackle the challenges of our built environment at a systems level. The projects created by our students for the 2022 Solar Decathlon Design Challenge do just that.

– Dean Nancy Pollock-Ellwand

Each year the U.S. Department of Energy hosts the Solar Decathlon Design Challenge, bringing together students from around the world to showcase their teams' innovative technologies and designs with the goal of creating the next generation of clean energy buildings. And each year, University of Arizona student teams guided by Assistant Professor of Architecture and Sustainable Built Environments **Jonathan Bean** earn their way into the final round, often winning or receiving honorable mentions in their divisions.

The UArizona streak continues for 2022. Once again, three CAPLA teams—out of a total of 54 teams representing 37 institutions—advanced to the finals.

This year, Bean and his students achieved a big win for UArizona and Tucson. The Multifamily Building team of fourth-year Bachelor of Architecture students **Andrew Norris, Jonah Cummins-Mikkalson, Alex Kolodziej** and **Nhan Vo** not only took first place in their division, but also was selected as the 2022 Design Challenge Grand Prize Winner for Commercial Divisions—a first for CAPLA and UArizona.

“We were pleased to see the jurors recognize the impact of our project, which leveraged the potential of cost-effective and ultra-efficient buildings,” says Bean. “Not only would the

students' project provide much-needed low-income housing for our neighbors in Tucson, but it would also provide enough thermal energy to cool nearly every home in the neighborhood.”

The Multifamily Building team's project, *The Avenue*, proposes a three-story, mixed-use development located on the site of a current RV park in Tucson's Miracle Manor lower-income neighborhood. It incorporates a prefabricated modular assembly from Solar Decathlon Design Challenge industry partner B.PUBLIC Prefab for dwelling units in an effort to minimize cost and carbon emissions during construction. The complex is sheltered by a roof superstructure made of recycled plastic that acts as a host for organic film photovoltaic panels. The design also uses color contrasted against white terracotta panels to “induce a sense of cultural appreciation for Tucson's historic past,” says the team.

The project incorporates the SunBlock distributed heating and cooling system, which links solar energy generation with thermal energy sharing. In addition to residences for approximately 360 people, the building provides a new retail district that generates income opportunities for residents while also adding education and recreation spaces to support after-school and summer activities for children. In the competition this year, Solar Decathlon Design Challenge



The Avenue, the 2022 Design Challenge Grand Prize Winner for Commercial Divisions.

Image by Andrew Norris, Jonah Cummins-Mikkalson, Alex Kolodziej and Nhan Vo.

judges **Celeste Cizik** of Group14 Engineering, **Alexander McDonald** of Tesla and **Lalitha Suryanarayana** of Infineon Technologies hailed the concept as “groundbreaking.”

“If we are truly to build a changing world, we must tackle the challenges of our built environment at a systems level,” says CAPLA Dean **Nancy Pollock-Ellwand**. “The projects created by our students for the 2022 Solar Decathlon Design Challenge do just that, and they do it with the kind of craft, design thinking and sustainable focus Jonathan Bean and our other faculty members excel at instilling in our students.”

A grant from Tucson Electric Power partially funded travel to Colorado for CAPLA team participation in the competition.

Learn more at capla.arizona.edu/2022-solar-decathlon.



CAPLA students and faculty participating in the 2022 Solar Decathlon Design Challenge at the National Renewable Energy Laboratory in Golden, Colorado.

Photo courtesy Jonathan Bean.

ENGAGING OUR COMMUNITY

CAPLA's community partners in teaching, research and service represent a broad mix of companies and organizations in Tucson, in Arizona and beyond. We are grateful for their engagement and support of our students and faculty.

Professional Organizations

- American Institute of Architects Arizona
- American Institute of Architects Southern Arizona
- American Planning Association Arizona
- American Society of Landscape Architects Arizona
- Arizona Builders Alliance
- Association of Collegiate Schools of Architecture
- Association of Collegiate Schools of Planning
- CCIM Institute
- Commercial Real Estate Women (CREW)
- Cornerstone Building Foundation
- Council of Educators in Landscape Architecture
- Friends of Planning
- Global Institute for the Study of International Expositions
- Landscape Architecture Foundation
- National Association of Women in Construction
- National Organization of Minority Architects
- Urban Land Institute

Educational Institutions

- Arizona State University
- Boston Architectural College
- Colorado School of Mines
- Colorado State University
- Columbia University
- Consejo Nacional de Ciencia y Tecnología (Mexico)
- Cornell University
- Dumbarton Oaks | Harvard University
- George Mason University
- Harvard University
- La Universidad Peruana de Ciencia Aplicadas (Peru)

- Pima Community College
- Princeton University
- Portland State University
- Rice University
- Texas Tech University
- The University of Arizona (Various Centers, Institutes and Colleges)
- Universidad Nacional Autónoma de México (Mexico)
- University of California, Los Angeles
- University of Illinois at Urbana-Champaign
- University of Maryland
- University of New Mexico
- University of North Carolina at Chapel Hill
- University of Pennsylvania
- University of Washington

Design, Engineering and Construction Firms

- AAA Landscape
- Allied Works
- Anderson
- Ayers Saint Gross
- BrightView Companies
- Breckenridge Group Architects Planners
- BRR Architecture
- Burro Happold
- Butler Design Group
- BWS Architects
- Carlile Coatsworth Architects
- CCBG Architects
- Chasse Building Team
- Clark, Richardson and Biskup Consulting Engineers
- Concept Lighting Lab
- CORE Construction
- Corgan
- Cotton Architecture + Design

- Denton House Design Studio
- Design Workshop
- DLR Group
- Ennead Architects
- erstad ARCHITECTS
- Ferguson Architecture PS
- GH2 Architects
- Gilbane Building Company
- GLHN Architects
- Greenworks PC
- Hofer Welker
- Holly Street Studio
- KEPHART Architects
- KieranTimberlake
- Kimley-Horn
- Kitchell
- KSS Architects
- LAST Architects
- Line and Space
- Lloyd Construction
- M3 Engineering and Technology
- Marlene Imirzian and Associates Architects
- MC Companies
- McGann and Associates
- MIG
- MJS Landscape Architecture
- Nelsen Partners
- Norris Design
- NOVUS Architecture
- Onyx Creative
- Orcutt | Winslow
- PM Design Group
- Richärd | Kennedy Architects
- Rios
- RSP Architects
- Sasaki
- SB Architects
- SDG Architecture
- SERA Architects
- Shepley Bulfinch
- SmithGroup
- SOM
- SPS+ Architects
- Stantec
- Studio Rick Joy
- Swaim Associates
- The M Group Architects + Interior Architects
- The Planning Center

- TrueForm Landscape Architects
- Ware Malcomb
- WestLand Resources
- Wheat Design Group
- Wilder Landscape Architects
- Will Bruder Architects
- WRNS Studio
- Zebra Projects

Allied Industries

- AGM Container Controls
- Ascension Wheelchair Lifts
- Carlton Fields
- Geosyntec Consultants
- Google
- Microsoft
- Pella Windows and Doors
- Tripalink

Community Partners

- Community Foundation of Southern Arizona
- Cornerstone Building Foundation
- FACE Foundation
- Frank Lloyd Wright Foundation
- Getty Foundation
- Grant/Alvernon Area Plan (GAAP)
- Habitat for Humanity
- Marshall Foundation
- Mellon Foundation
- Miramonte Neighborhood Association
- Mission Garden
- Museum of Contemporary Art Tucson
- Nature Sacred
- Rillito Bend Neighborhood Association
- San Xavier del Bac Mission
- Santa Cruz Watershed Collaborative
- Sonoran Institute
- Southwestern Foundation for Education and Historical Preservation
- Sunnyside Foundation
- The Andy Warhol Foundation
- The Urban Studio
- Tonto Creek Camp
- Tucson Botanical Garden
- Tucson Clean and Beautiful
- University of Arizona Foundation
- Urban Design 4 Health
- Watershed Management Group

Government/Public Agencies and Utilities

- Albuquerque Bernalillo County Water Utility Authority
- California Department of Transportation
- Centers for Disease Control and Prevention
- City of Hermosillo, Sonora
- City of Nogales
- City of Tempe
- City of Tucson Department of Parks and Recreation
- City of Tucson Department of Planning and Development Services
- City of Tucson Department of Transportation and Mobility
- City of Tucson Manager's Office
- Colorado Springs Utilities
- Denver Water
- Institute of Mexicans Abroad
- Los Angeles Power and Water
- National Center for Atmospheric Research
- National Institute for Transportation and Communities
- National Oceanic and Atmospheric Administration
- National Park Service
- National Renewable Energy Laboratory
- National Science Foundation
- National Trust for Historic Preservation
- Pacific Northwest National Laboratory
- Pascua Yaqui Tribe
- Peace Corps
- Pima County
- Pima County Regional Flood Control District
- Pima County THRIVE Training and Green Stewards Program
- Salt River Project
- San Xavier District
- South Tucson Housing Authority
- Southwest Fair Housing Council
- Southwest Gas
- Thurston County Planning Department
- Tucson Electric Power
- Tucson Unified School District
- Tucson Water
- United Nations
- U.S. Bureau of Reclamation
- U.S. Department of Transportation
- U.S. Department of Energy
- World Health Organization
- World Meteorological Organization

ALUMNI

EMPOWERED, ENGAGED AND ESSENTIAL



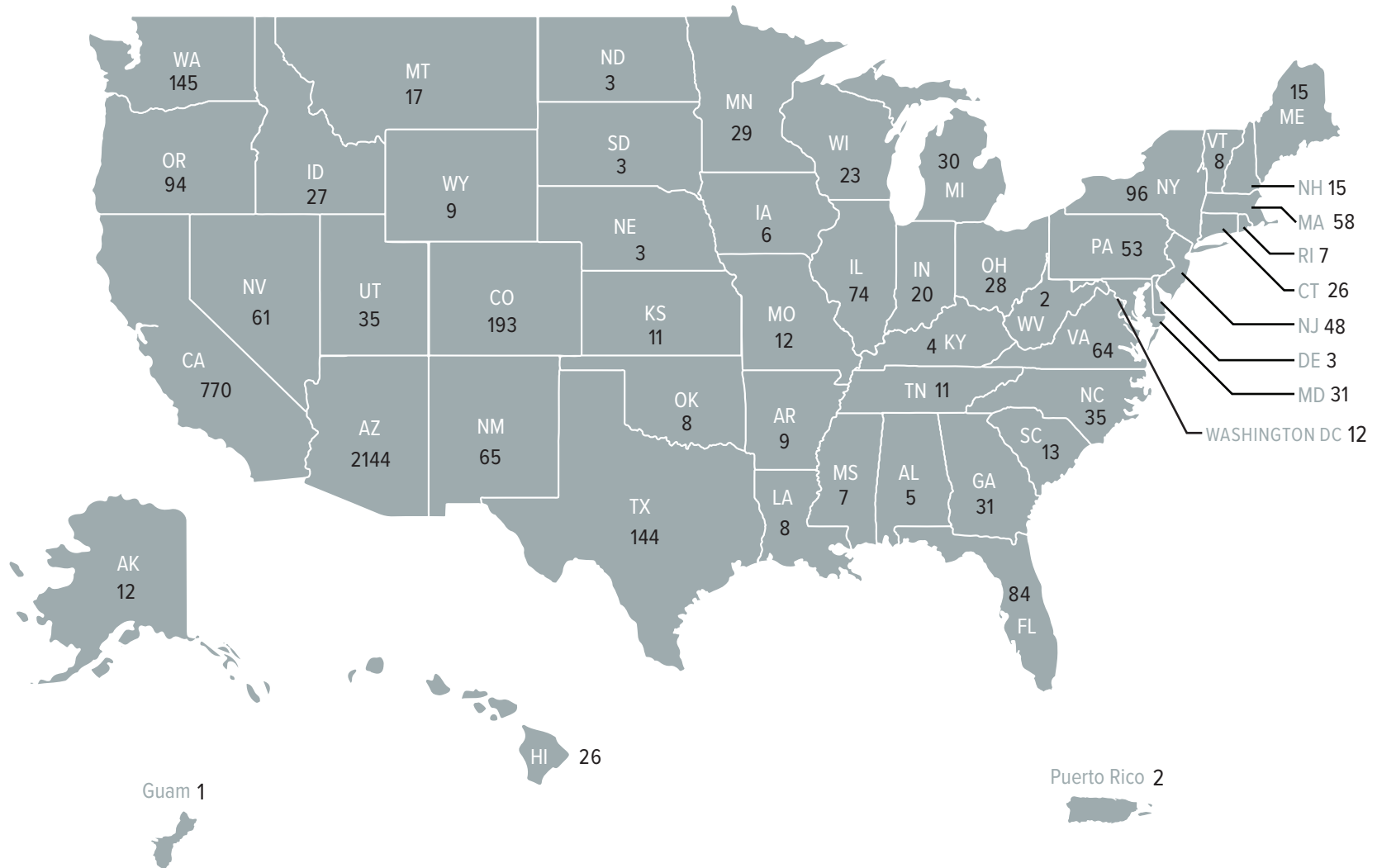
UArizona photo.

Alumni by State and Country

CAPLA has alumni in all 50 states, Washington, D.C., Guam and Puerto Rico, plus 56 countries outside the U.S.

4,950
Total CAPLA alumni

306
International



Alumni by Countries

COUNTRIES

Afghanistan	1	Colombia	2	Iran, Islamic Republic of	13	Lebanon	2	Portugal	3	Trinidad and Tobago	1
Argentina	3	Dominican Republic	1	Israel	6	Malaysia	19	Qatar	4	Turkey	1
Australia	3	Ecuador	2	Italy	2	Mexico	32	Russian Federation	1	Uganda	1
Bahrain	2	Egypt	4	Japan	5	Namibia	1	Saudi Arabia	16	United Arab Emirates	4
Bolivia	2	France	2	Jordan	7	New Zealand	4	Singapore	6	United Kingdom	7
Botswana	2	Germany	3	Kazakhstan	1	Norway	1	South Africa	2	United States	4,644
Brazil	2	Greece	2	Korea, Democratic People's Republic of	1	Oman	3	Spain	3	Venezuela	5
Canada	14	Hong Kong	8	Korea, Republic of	7	Paraguay	1	Switzerland	1	Yemen	1
Cape Verde	1	India	22	Kuwait	11	Peru	6	Taiwan	7		
China	33	Indonesia	4			Poland	1	Thailand	7		



THE POWER OF RELATIONSHIPS

KAY OLSEN BROWN '90 M ARCH, '83 B ARCH



After a full and rewarding architecture career that spans marketing, facilities, project management and corporate relations, CAPLA Director of Alumni Relations and Community Engagement **Kay Olsen Brown** has retired. Before she rode off into the sunset, Brown sat down with us to share stories about her career, her experience at CAPLA and more. Read an excerpt of the interview below, and visit capla.arizona.edu/kay-brown for the full interview.

Tell us about your experience as a Bachelor of Architecture student.

I was a challenged student at the College of Architecture. When I arrived at the University of Arizona, I didn't know what architecture was—it was a romantic notion. So I had a steep learning curve, though the longer I was here the more fascinated I became. Fortunately, I was blessed that faculty knew I didn't quite fit the mold but recognized that I did have what was needed in the profession. It wasn't about my drawing or design skills, but rather about my enthusiasm, hard work and strong communications skills. I knew I wasn't going to design buildings, but I really loved what went on around the creation of buildings. I think my time since graduation reflects that those skills were transferable across the full spectrum of the built environment.

If you weren't a typical design student, why did you come back to earn your Master of Architecture?

After working for Pan Am World Services in my home town of Los Alamos, New Mexico for five

Photo courtesy Kay Olsen Brown.

years, I was ready to dive deeper into the idea of marketing architectural services. Marketing had never really been a part of the profession. It was a new conversation, and I hoped by going back to grad school, I could be a part of that early conversation. But I was only considering the possibility when I reached out to my former professor, **Doug Macneil**, in May of 1988 to discuss the idea. “Oh, okay,” he said. “I’ll call you in a couple days...” When he called me back, he said everything was taken care of. My application had been approved. “School starts on August 18 and I’ll see you then.”

While pursuing my M Arch I was able to sit in on campus architecture reviews. It was a very new process then, and I found it fascinating—a real opportunity to be a fly on the wall during those interviews, proposal reviews and other meetings. I learned a lot. My thesis was *Marketing Architectural Services*, and that wonderful experience served as a springboard into a role as marketing director with NBBJ Architects. I’ve been in Tucson ever since.

One of our recent graduates, Brooke Sands ’22 B Arch, told me that you have been her mother when her own mother wasn’t available. You have this kind of special relationship with a lot of CAPLA students. Tell us about that.

Getting to know our students has been a shining part of the days for me at CAPLA. They are such individuals, so enthusiastic, so bright. My office faces the Sundt Gallery, so I see students come and go through the college’s front door—and that’s been like getting a shot of adrenaline every day. They are the fuel behind what I have been doing in a lot of ways. Knowing that they are our future alumni, I wanted them to know they had support here. It all goes back to how I was treated when I was a student.

“ I knew I wasn’t going to design buildings, but I really loved what went on around the creation of buildings. I think my time since graduation reflects that those skills were transferable across the full spectrum of the built environment.

Before COVID, I walked through the studios a lot to meet the students, I asked faculty if there were students who were struggling and I watched reviews—all to get a feel and match names with faces and get to know them a little bit. Since I was involved in awarding CAPLA scholarships, I was also able to get to know some of our students that way. Their personal statements when applying for scholarships say a lot—and I got to know their successes, failures and challenges. Then I continued to be a liaison to those students, so our relationships continued to grow.

I still remember when Brooke visited as a prospective student. Her grandfather also graduated from the college, and her parents are UArizona grads. But Tucson is a long way from Chicago, so I took Brooke’s mom aside during that visit and said, “I am not Brooke’s mom, but I am a mom, and if Brooke needs anything, she can call me anytime. Or if you need anything, you can call me.”

Read the full interview with Kay Olsen Brown at capla.arizona.edu/kay-brown.

RESOURCES FOR ALUMNI

ALUMNI, WE INVITE YOU TO SHARE WHERE YOU ARE, WHAT YOU’RE UP TO AND WHAT YOU’RE WORKING ON!

Join us on the CAPLA website for our interactive and ever-expanding Alumni Directory and Alumni Projects showcase:

ALUMNI DIRECTORY »

capla.arizona.edu/alumni/directory

Connect with CAPLA alumni—a dynamic group of architects, designers, developers, planners and more who are building a changing world. And while viewing the directory, be sure to provide your information, too.

CAPLA ALUMNI PROJECTS »

capla.arizona.edu/alumni/projects

Architecture, heritage conservation, landscape architecture, planning, real estate development and sustainable built environments alumni create a wide variety of outstanding projects and other work after graduating from CAPLA. View featured projects and submit your favorite work.

FROM GUARDING THE COAST TO GUARDING COMMUNITY EQUITY: FOREST REPLOGLE '16 MS URBAN PLANNING



Photo courtesy Forest Replogle.

“There’s still much work to do in addressing the legacy of systemic racism and structural inequalities in our political economic system,” says **Forest Replogle**, a transportation planner for Albuquerque’s Mid-Region Council of Governments Metropolitan Planning Organization.

That’s an interesting and wise take from the New Mexico native, particularly considering his path to equitable community planning was launched from behind the “sea whiz,” a 20 mm anti-air, anti-missile autocannon aboard a U.S. Coast Guard ship.

As an electronics technician with the Coast Guard, Replogle was stationed in Virginia, Hawaii and California, but traveled extensively in the Pacific. “The experience of visiting so many cities and cultures helped me think about how the built environment affects health, wealth and ecology,” says Replogle, who served for eight years. “It’s what got me interested in the field of planning, and particularly equity and environmental resilience.”

After his discharge, Replogle earned his Bachelor of Arts in Environmental Planning and Design from the University of New Mexico. With a desire to hone his focus on equity and resilience while adding tangible skills in spatial analysis and geographic information systems—and thanks in part to a scholarship—he then enrolled in the University of Arizona’s Master of Science in Planning program (now MS Urban Planning).

He graduated from CAPLA in 2016 with a concentration in Environmental and Regional Planning, finding the program “gave me experience working with related disciplines, which really helps me today,” he says. “I felt very well-prepared when I began my professional career.”

That preparation was thanks in part to Replogle’s diverse practical and academic experiences while in the program, which included volunteering for the Living Streets Alliance and Town of Sahuarita Planning and Zoning. He concluded his graduate program with an interdisciplinary capstone project as part of a student team creating the *Town of*

Marana Parks, Recreation, Trails and Open Space Five-Year Update and Strategic Plan. Replogle’s contributions centered on spatial suitability analysis and mapping, but even with a renewed focus on technology, he never lost his passion for creating more equitable communities.

Since joining the Mid-Region Council of Governments, he’s become the equity and resilience staff expert. Like his path to planning, though, his leadership in this area has followed a less charted course. “You may find yourself working in an area that you hadn’t expected,” he says. “My focus in school was environmental planning and I never thought I would be in transportation. I got my foot in the door and have been able to pursue these important interests thanks to federal mandates on climate change and social justice. It’s all relevant, and that’s very satisfying.”

CAPLA FUTURES COUNCIL

The CAPLA Futures Council serves as an advisory board to CAPLA Dean **Nancy Pollock-Ellwand**. It is comprised of a group of luminaries from the academy, practice, industry and government. The Council gathers biannually to discuss current issues of the college and university, considering trends in education, the professions and the broader community that we must anticipate and respond to with creativity and innovation.

This year, we are pleased to welcome two new CAPLA Futures Council members: **Richard K. Begay Jr**, partner, SPS+ Architects, and **Lawrence D. Frank**, professor of urban studies and planning, University of California, San Diego, and president, Urban Design 4 Health. Begay, a graduate of UArizona's School of Architecture, is an artist, designer and visionary and among the first professionally accredited Navajo architects in Arizona. Frank is a walkability pioneer whose work led to the widely used WalkScore. He was recently ranked the #1 top planning academic in North America by Google Scholar.



Richard K. Begay Jr.



Lawrence D. Frank.

FALL 2021

HOW TO DRESS FOR A PERFECT STORM: 10 QUESTIONS WE OUGHT TO ASK OURSELVES NOW

In October 2021, the CAPLA Futures Council gathering focused on the changes coming to industry and the academy with a keynote presentation by **Randy Deutsch**, associate director for graduate studies and clinical associate professor of architecture at the University of Illinois Urbana-Champaign: "How to Dress for a Perfect Storm: 10 Questions We Ought to Ask Ourselves Now." Deutsch's keynote was followed by a session moderated by **Kay Olsen Brown**, director of alumni relations and community engagement, in which Futures Council members led breakout groups with CAPLA faculty and staff to further discuss the changes in the profession and the academy that CAPLA must anticipate in continuing its tradition of, and dedication to, excellence in the built environment.

SPRING 2022

CHANGE IS INEVITABLE...

In April 2022, the Futures Council met with the CAPLA leadership team—Dean **Nancy Pollock-Ellwand** and her directors and associate deans—to focus on the significant shifts impacting the college, defined by the dean as unique changes, universal changes and aspirational opportunities. The Futures Council also provided insight on CAPLA growth planning efforts.

CAPLA Futures Council Members

Richard K. Begay Jr
Partner, SPS+ Architects

Carrie Byles
Partner, SOM

Mahesh Daas
President and Distinguished Professor, Boston
Architectural College

Randy Deutsch
Associate Director for Graduate Studies and
Clinical Associate Professor of Architecture,
University of Illinois Champaign-Urbana

Billie Faircloth
Partner, KieranTimberlake

Lawrence D. Frank
Professor of Urban Studies and Planning,
University of California, San Diego

Larry Head
Professor of Systems and Industrial Engineering
and Director, Transportation Research Institute,
The University of Arizona

Kendra Hyson
Co-Founder and President, The Urban Studio

Diane Jacobs
Principal, Holly Street Studio

Richard R. Johnson
Executive Director for Sustainability
and Professor of Practice in Environmental
Studies, Rice University
CAPLA Futures Council Chair

Brian Olasov
Executive Director, Financial Service Consulting,
Carlton Fields

Angela Watson
President and CEO, Shepley Bulfinch

CAPLA FINANCES

Notes

- Operating activity excludes such items as research projects (sponsored or university-funded) and building renovation investment activity (see note 13, below).
- State Funding consists of student tuition and university support distributed to CAPLA from the university RCM business model.
- State Funding saw a drop from FY20 to FY21 due in part to the university changing its budget allocation timing to real-time budgeting. However, the funding increased from FY21 to FY22 due in part to CAPLA main campus enrollment growth (undergraduate increased by 11.5% and graduate increased by 18.1%).
- The Program Fees/Differential Tuition are not impacted by the growth rate for the rest of campus since 100% of the fees paid by CAPLA students for this source type comes right back to CAPLA.
- Most of the Online/Distance activity growth from FY20 to FY22 has mainly come from the Real Estate Development graduate online program.
- Most of the International Campus activity from FY21 to FY22 has mainly come from the UPC Lima microcampus program involving the Sustainable Built Environments undergraduate program. In addition, study abroad activity has picked up again in FY22 after being sidelined for the last few years due to COVID.
- 25% of the F&A Distribution funding source is allocated to CAPLA F&A accounts for distribution to the college, departments and PI. The remaining 75% of the F&A Distribution is allocated into CAPLA overhead costs for grant management.
- The UArizona Foundation allocations consist of expendable gift donations and endowment interest income realized in the UArizona financial system.
- Most of the Commitment funding comes from the Provost Office for various reasons including funding support for CAPLA facility/equipment upgrades and personnel support.
- The Other/Miscellaneous funding section includes various activity types such as the CAPLA annual Job Interview Fair, CatCash Pay4Print student program, AISS support for online programs and RII support for Faculty STARTUP (no longer providing support effective FY21).
- The Transfers expenses mainly consist of annual charges from central administration on our Program Fee/Differential Tuition accounts (Support Center Recovery overhead, Provost Investment Fund support) and our annual payment to ERAS in the College of Engineering for research overhead support.
- The majority of the FY21 net change is due to the following areas: commitment funding (\$535,924), personnel one-time reduced pay furlough program (\$305,710), temporary reduction to operations (\$301,916) and travel (\$156,152).
- In FY22 CAPLA began the West Building renovation project. Total project funding is \$9.8M (CAPLA funding: \$4.07M, loan: \$3.84M, university funding: \$1.89M). This activity is NON-OPERATING and therefore not part of the Income Statement reporting.

CAPLA Income Statement (Operating Activity)

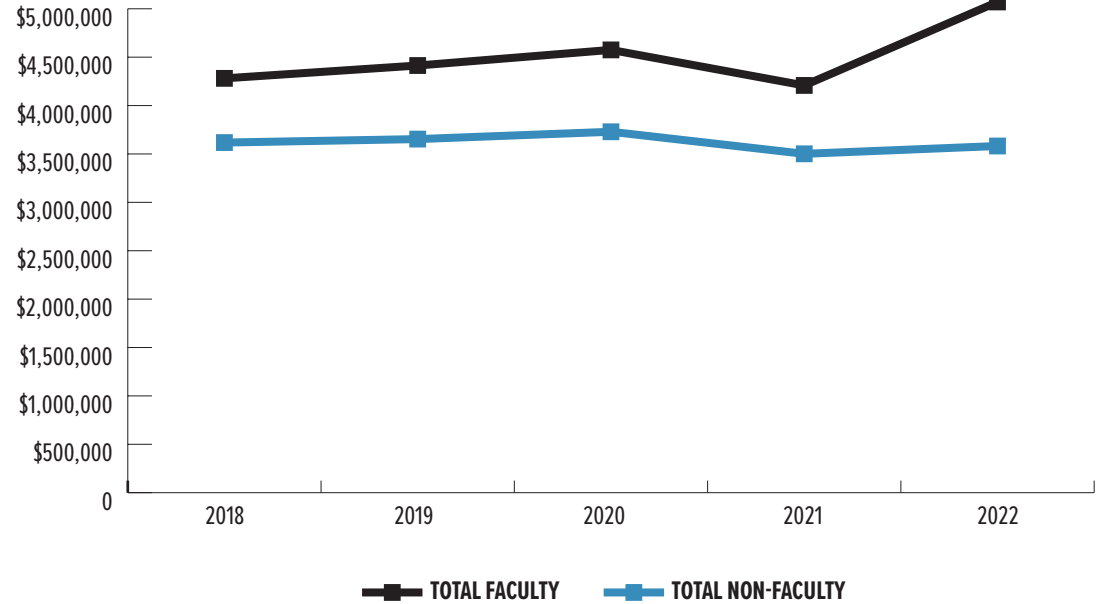
SOURCES / REVENUE	FISCAL YEAR			
	2020	2021	2022	
State Funding	7,499,346	7,106,269	7,560,397	(2), (3)
Program Fees/Differential Tuition	864,089	983,152	1,074,669	(4)
Online/Distance Campus Tuition	388,134	668,237	811,092	(5)
International Campus Tuition/Fees	0	85,975	188,675	(6)
Summer Session Tuition	134,108	126,344	134,652	
F&A Distribution	194,534	133,337	192,552	(7)
Gifts/Endowments (UArizona Foundation)	525,535	412,190	484,801	(8)
UArizona Commitment Funding	580,301	535,924	463,527	(9)
Other/Miscellaneous	117,982	65,749	63,598	(10)
TOTAL	10,304,029	10,117,178	10,973,962	
USES / EXPENSES				
Personnel (WAGES)	6,223,224	5,811,108	6,548,610	
Personnel (ERE)	2,081,089	1,898,098	2,103,731	
Personnel TOTAL	8,304,313	7,709,206	8,652,341	
Operations	709,741	406,026	711,050	
Travel	158,279	2,127	86,915	
Student Aid	256,120	302,128	396,349	
Administrative Service Charge	21,355	22,253	17,148	
Transfers	186,074	182,005	241,199	(11)
TOTAL	9,635,883	8,623,746	10,105,000	
NET CHANGE (OPERATING)	668,147	1,493,432	868,962	(12)

CAPLA Personnel Expenditures



Photo by Bill Timmerman.

CAPLA Personnel Expenditures: Operating Wages + ERE



CAPLA Personnel Expenditures by Employee Category 2018-2022

EMPLOYEE CATEGORY	FISCAL YEAR				
	2018	2019	2020	2021	2022
Faculty (Tenured/Tenure-Eligible)	2,608,387	2,618,863	2,756,026	2,477,076	2,907,742
Faculty (Career-Track/Non-Tenured)	1,672,713	1,794,906	1,819,096	1,730,802	2,162,595
TOTAL FACULTY	4,281,100	4,413,769	4,575,122	4,207,878	5,070,337
Administrative/Staff	2,772,040	2,897,484	2,937,081	2,795,453	2,956,222
Graduate Assistants/Associates	576,517	527,589	593,913	521,572	440,109
Hourly Students	230,089	188,101	146,836	127,976	161,354
Other	39,007	40,330	51,361	56,328	24,318
TOTAL NON-FACULTY	3,617,654	3,653,504	3,729,191	3,501,328	3,582,004
TOTAL	7,898,754	8,067,272	8,304,313	7,709,206	8,652,341

Notes

1. The Other employee category consists of professional, academic professional and postdoctoral scholar labor activity.
2. The amounts above include salary/wages and ERE/benefits (including tuition remission for graduate assistants/associates).
3. In Fiscal Year 2021 a reduced pay furlough program was instituted by the university on most faculty and staff positions. This program was implemented for the first six months of the fiscal year (July 2020 to December 2020).
4. In fiscal year 2022 there were 3 faculty hires on the Tenured/Tenure-Eligible side (Fall 2021: 2, Spring 2022: 1).

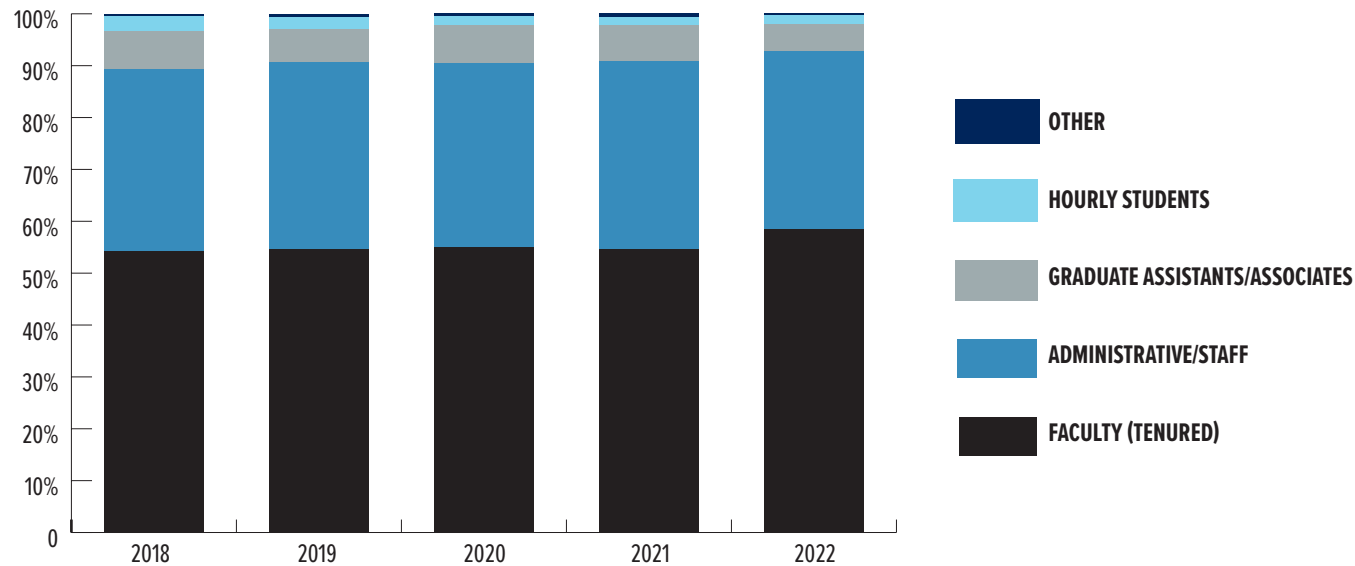
Percentage of Total CAPLA Personnel Expenditures 2018-2022

EMPLOYEE CATEGORY	FISCAL YEAR				
	2018	2019	2020	2021	2022
Faculty (Tenured/Tenure-Eligible)	33.0%	32.5%	33.2%	32.1%	33.6%
Faculty (Career-Track/Non-Tenured)	21.2%	22.2%	21.9%	22.5%	25.0%
TOTAL FACULTY	54.2%	54.7%	55.1%	54.6%	58.6%
Administrative/Staff	35.1%	35.9%	35.4%	36.3%	34.2%
Graduate Assistants/Associates	7.3%	6.5%	7.2%	6.8%	5.1%
Hourly Students	2.9%	2.3%	1.8%	1.7%	1.9%
Other	0.5%	0.5%	0.6%	0.7%	0.3%
TOTAL NON-FACULTY	45.8%	45.3%	44.9%	45.4%	41.4%

Note

1. The Other employee category consists of professional, academic professional and postdoctoral scholar labor activity.

CAPLA Personnel Expenditures: Operating Wages + ERE



CAPLA photo.

CONNECT WITH CAPLA

As an alum, community partner or friend of CAPLA, your experience can have a major impact on our students—providing insight and inspiration as they prepare to take on life after college. Connect with us to:



1 Provide Career Advice

Serve as an information resource and guide for a CAPLA student or alum.



2 Host Students or Alumni

Host a group of CAPLA undergraduate or graduate students or alumni at your place of business to help students learn more about careers and specific industries.



3 Employ Our Students

Open the door for a CAPLA student to obtain an internship or a full-time job at your firm.



4 Serve as an Externship Host

Allow a CAPLA student to shadow you so they gain an understanding of your field and the world of full-time work.



5 Be a Guest Speaker

Share your experiences and insights in the classroom, at a student organization meeting or at a college-wide event.



6 Mentor Our Students or Young Alumni

Help guide CAPLA students or alumni through choices as they develop interests and expertise and start taking steps towards life after graduation.



7 Serve as a Panelist

Interact with groups of CAPLA students and other professionals by offering your insights and experiences as part of industry-specific panels.



8 Partner with CAPLA on Design/Build

Take advantage of our faculty expertise and student ambition for approved design/build projects.



9 Pay It Forward

Your tax-deductible gift can make an impact on a student, assist with faculty research and help develop programs within the college.



10 Tap into CAPLA Research and Creative Scholarship

Utilize CAPLA faculty research or design expertise for a business or community project.

Visit capla.arizona.edu/connect to get involved today.



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UArizona photo.

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Four-year, interdisciplinary program with emphasis areas in object design and spatial design.

Bachelor of Architecture

Five-year, NAAB-accredited architectural program with a focus on sustainability of place.

Bachelor of Landscape Architecture

Four-year professional program for creating the future of sustainable landscapes.

Bachelor of Science in Sustainable Built Environments

Offered online and on campus, the right choice for a dynamic career in the green economy.

GRADUATE PROGRAMS

Master of Architecture

Two- or three-year NAAB-accredited program with an emphasis on critical practice honed by the poetics of place.

Master of Science in Architecture

18-month architecture program dedicated to applied research on the built environment.

Master of Landscape Architecture

Three-year LAAB-accredited program that prepares students for the practice of landscape architecture.

Master of Real Estate Development

Offered online and on campus, the top-ranked program for developing leaders in responsible real estate development.

Master of Science in Urban Planning

Two-year, PAB-accredited program for shaping more resilient communities and regions.

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Online, five-course program on historic preservation of built environments and cultural landscapes.

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Offered online or on campus, three distinct graduate certificates in Real Estate Development: Analytics, Finance and Practice.

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