The 2017–18 academic year was one that brought substantial change and new initiatives to the College of Environmental Design.

Four faculty members retired while three new faculty members were successfully recruited after a national search. After eight exceptional years, Tom Buresh stepped down from chairing the Department of Architecture, with Renee Chow taking on this role. After more than four years, Louise Mozingo stepped down from chairing the Department of Landscape Architecture & Environmental Planning with Elizabeth Macdonald assuming this position. Staff retired or went off to new opportunities too, while new staff joined the College — most notably Jennifer Sang, Assistant Dean for Finance and Administration.

We continued to recruit exceptionally talented and diverse students across all departments and majors. At the undergraduate level, CED had the campus’ highest percentage of low income, underrepresented minority, first generation, and international students. Graduate students continued CED’s long record of winning professional awards and design competitions. And generous donors created new fellowship and scholarship opportunities that help keep CED accessible.

Our new Master of Real Estate Development + Design program was launched in the summer with 16 students in its inaugural cohort, and we’re currently developing a Master of Design program in collaboration with the College of Engineering which is now under review. We also offered our first Global Leadership Program in the spring, a two-week intensive course for 20+ housing specialists from Maharashtra State in India, as well as our first Global Access Program for international undergraduates joining CED for a one-semester experience of life in the College.

Again, thanks to our generous alumni, three studios were renovated, newly remodeled Rooms 170 and 172 opened for classes and seminars, and the new Real Estate Development + Design program moved into a newly renovated and attractive space. Both Rice & Bones Café and the lovely Ong & Ong Plaza opened, providing both extraordinary fare and a popular place for eating, talking, and holding informal meetings for students, faculty and community members alike.

Although there were ongoing challenges, including the university’s budget deficit, we were able to overcome them through careful attention, analysis, and hard work which brought new revenue to CED. With this new revenue, the College was able to meet financial targets set by the university. While this will be an ongoing challenge in the years to come, CED is positioning itself to be able to generate more revenue through self-supporting degree programs, executive education and fundraising from alumni and friends of the College.

I am grateful to CED’s entire community, their contributions to the College and campus and their many outstanding accomplishments. Better for all their efforts, CED is forging ahead!

Jennifer Wolch
William W. Wurster Dean
Professor of City & Regional Planning
**CED AT A GLANCE**

**Undergraduate Statistics**

- **664** Total undergrads
- **360** Undergrads receiving financial aid (54%)
  - Architecture / 59%
  - Landscape Architecture / 9%
  - Sustainable Environmental Design / 17%
  - Urban Studies / 14%
  - Individual Major / 1%

**Graduate Statistics**

- **188** Architecture graduate students
  - M.S. / 3%
  - M.Arch. / 78%
  - Ph.D. / 19%

- **114** Landscape Architecture & Environmental Planning graduate students
  - M.L.A. / 70%
  - Ph.D. / 15%
  - M.U.D. / 15%

- **154** City & Regional Planning graduate students
  - M.C.P. / 80%
  - Ph.D. / 20%
Alumni Statistics

**BREAKDOWN OF CED ALUMNI BY GENDER**

- Total living CED alumni: 18,504
  - Female: 7,765
  - Male: 10,739

**BREAKDOWN OF CED ALUMNI BY UNDERGRADUATE VS. GRADUATE**

- Undergraduate degree only:
  - Female: 4,748
  - Male: 6,603

- Graduate degree only:
  - Female: 2,746
  - Male: 3,512

- Undergraduate and graduate degree:
  - Female: 271
  - Male: 624

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The College

- Departments (Architecture, City & Regional Planning, and Landscape Architecture & Environmental Planning) and the College confer 14 degrees in:
  - Architecture (B.A., M.Arch., M.S., Ph.D.)
  - City & Regional Planning (B.A. Urban Studies, M.C.P., Ph.D.)
  - Landscape Architecture & Environmental Planning (B.L.A., M.L.A., Ph.D.)
  - B.A. Sustainable Environmental Design
  - Master of Urban Design
  - Master of Real Estate Development + Design

The Environmental Design Archives

- Reference questions fielded: 2,000
- In-person research visits from scholars across six continents: 150
- New items digitized per year: 2,000
- Student visitors to the EDA: 250

The Environmental Design Library

- Workshops held for grads and undergrads: 59
- Reference questions fielded per year: 1,300
- Events held in the library, including film screenings, lectures & art exhibits: 17
- New books purchased: 3,000
July marked the start of CED’s Master of Real Estate Development + Design (MRED+D), an 11-month interdisciplinary degree program incorporating finance and cutting-edge design training to prepare real estate development professionals to build sustainable, equitable and prosperous cities.

The MRED+D program has been in development for more than four years as part of UC Berkeley’s overall strategy to adopt and enhance professional degree programs focused on social and environmental sustainability. The program is led by Faculty Director Chris Calott and Practice Director Carol Galante.

Greg Morrow, who joined CED in the spring from Pepperdine University’s Graziadio School of Business where he served as Executive Director of the Sands Institute of Real Estate, Academic Director of the Master in Science of Real Estate program, and Fred Sands Executive Professor in Real Estate, serves as Executive Director. His background in architecture, city planning, urban design, and real estate development speaks to the integrated nature of real estate that defines the Berkeley MRED+D program.

“Development today is more complex than ever — professionals must have a strong finance foundation, and be able to navigate the complex entitlement process, understand the value of design, placemaking and building performance, and be thoughtful about how new development integrates into existing communities,” explains Morrow.

The inaugural class of 16 students bring wide-ranging national and international experience in development, architecture and planning practice, affordable housing, policy, and economics. The cohort arrived on campus in late June for a program overview and orientation, with classes beginning in July. Required coursework spans development, finance, architecture, urbanism, entitlements, and sustainable design.

The program’s core convictions — that successful real estate development requires excellence in urban design, planning, and sustainability and that design thinking is fundamental to producing the most valuable real estate projects — set Berkeley apart from other real estate programs at peer institutions.
“MRED+D is unique among graduate real estate programs because it combines rigorous training in finance and economics with innovative design and social impact.”

“MRED+D is unique among graduate real estate programs because it combines rigorous training in finance and economics with innovative design and social impact,” Morrow says. “It embraces the critical role that real estate development must play in tackling our greatest social, economic, and environmental challenges, from climate change, and water/energy use to rising inequality and changing mobility technologies.”

Graduates are expected to enter careers in real estate entrepreneurship, investment, development, law and engineering firms, architecture and environmental design practices, nonprofit housing, and economic and community development organizations.

Can you talk a bit about your professional experience prior to graduate school?

I spent four years working as an urban designer, strategist and planner in both public and private sectors — for an international design firm in Boston and Bay Area city government. In these roles, I learned to quickly identify urban opportunities and challenges, develop innovative ideas and solutions, rally support and see projects through to the end.

What led you to pursue a graduate degree in real estate development?

Working for a design firm, I often acted as a bridge between real estate developers and public agencies. This taught me that great minds working together can create designs that actually exceed both developer and community expectations. Similarly, working in the public sector taught me the importance of creating policies that eliminate barriers to successful developments. My experiences as both a designer and planner inspired me to explore the third piece of the urban development puzzle: real estate finance and economics. By learning how today’s real estate interests and investments can drive great design and policymaking for the future, I hope to develop truly smart and sustainable communities!

Why did you choose UC Berkeley’s MRED+D program?

First, developers have the resources and opportunity to truly shape the city, and I want to be a part of that. Second, I believe that one cannot build successful urban development without understanding both the real estate and design interests at stake. Fortunately, UC Berkeley’s MRED+D program prepares urban actors to do just this. Third, I want to be an urban disruptor and innovator. Berkeley is the first school I have found that offers a degree that I truly believe will help me think differently about urban environments. Indeed, this unique program is intended to educate, inspire and empower a new generation of socially, sustainably and design-driven development professionals. This is exactly what I want to be.
MEET CHRISSIE BRADLEY, DIRECTOR OF SUMMER AND GLOBAL PROGRAMS AT CED

What does your role entail?
My mission with each cohort that comes to Wurster is to curate an experience they never would have had in their own country, and at the same time make sure each one of them feels at home here. It's a tricky balance, but when visitors feel comfortable enough to push outside their comfort zones in the classroom, that's when we achieve some truly remarkable learning outcomes. That means I do everything from researching each group's policy concerns and orienting presenting faculty accordingly to meeting the group at the airport and making sure they have their favorite brand of tea waiting for them before each morning's session.

What's been a highlight of facilitating this year's global programs?
When I’m fortunate enough to have the time to sit in for the duration of a presentation by one of our faculty members or to see the interchange of ideas between the instructor and the group. To hear participants think through how these ideas — about climate resilience, affordable housing, urban environmental justice, and so on — might actually be successfully implemented in their home countries really brings these policies from a theoretical sphere into an actionable one. That’s incredibly exciting to watch.

What are you most looking forward to in the next year?
I’m eager to get even more members of the CED community involved as we take on new clients and expand these programs into new areas of practice within the increasingly globalized field of environmental design.

Executive Education at CED

CED strengthened its global reach this year with the launch of its Global Leadership Program, a series of custom trainings developed for government and NGO clients worldwide. The program kicked off in April with “Thinking Outside the Walls: Innovative Strategies for Affordable & Sustainable Housing,” a two-week intensive offered to 21 officials from the Maharashtra Housing and Area Development Authority in Mumbai, India.

Participants received behind-the-scenes tours of modular construction factories and affordable housing developments, such as Factory OS in Vallejo and the San Francisco Shipyards affordable housing project. They also examined case studies presented by members of CED’s extensive network of professional practitioners and a roster of CED, Haas School of Business, and Goldman School of Public Policy faculty. The inaugural cohort returned to Mumbai better prepared to implement innovative housing policy for the 114 million residents of Maharashtra.

Another training titled “Berkeley Edge: Advances in Urbanism & Design” welcomed 20 graduate students from Shanghai University and Shanghai Academy for three immersive days of presentations from CED faculty members Renee Chow, Harrison Fraker, Charisma Acey and Nicholas de Monchaux among others. Supplemented with visits to UC Berkeley’s Garden Village, a modular student housing unit on campus, and a trip to the Resilient by Design project in San Leandro, students were challenged to look at climate change and resiliency strategies firsthand.

With additional programs already scheduled for the coming year, CED will continue to offer its faculty’s expertise to clients who share our core values, while at the same time generating revenue for the College’s own initiatives.
CED’s Global Access Program

The College of Environmental Design’s Global Access Program (CED-GAP) welcomed its first cohort of international students from institutions like Chongqing University, Harbin Institute of Technology, National Taiwan University, and Southeast University this past spring. Designed to attract top qualifying international students, the semester-long CED-GAP program aims to equip small student cohorts with the knowledge, skills, and connections necessary to excel as innovators and thought leaders in sustainable environmental design around the world.

Unlike other study abroad programs, CED-GAP stands out by uniquely integrating students into the culture and community of CED, including an integrated design studio for both landscape architecture and architecture majors, industry-specific excursions and enhancements. In the spring, students participated in activities like a portfolio workshop in partnership with the American Institute of Architecture Students, field trips to sites like the Don Edwards National Wildlife Refuge and visits to architecture and landscape architecture firms such as Aidlin Darling Design and Fletcher Studio.

Berkeley Certificate in Design Innovation

In today’s world, innovations require weaving together the knowledge, theories, and skills of different disciplines. Launched last year, the Berkeley Certificate in Design Innovation (BCDI) introduces design as the creative and critical means to innovate — to define, to imagine, and to advance a globally just future.

BCDI aims to train students to take responsibility for the entire lifecycle of innovation, from idea to execution and beyond. Connecting the design approaches and disciplines taught at CED with courses from engineering, letters and science, and business, the program embraces the meaningful integration of methods and technologies from all over campus.

Its inaugural cohort of 33 students completed the course requirements for the certificate this past spring. This fall, the program has expanded significantly to include 117 students with 84 actively participating in the certificate by completing courses or declaring an intent of completion.

Global Urban Humanities

In order to understand the life of cities, looking at urban literature, music, and art is as essential as studying the built environment. The Global Urban Humanities Initiative (GUH) casts a searching eye on the human side of cities, merging methods from the arts and humanities with those of architecture and city planning. Entering its sixth year in 2018, this Mellon-funded initiative has created more than twenty interdisciplinary courses — almost all of them team-taught — including a Spring 2018 graduate studio exploring the U.S.-Mexico border through art installations and an undergraduate studio that explored an old landfill on San Francisco Bay through the creation of a site-specific performance.

Both GUH’s undergraduate and graduate certificates attract an enthusiastic and multidisciplinary cohort of students every year, creating a community of like-minded students across dozens of departments and providing a structure for them to create a course of study on cities that takes them outside their usual disciplinary habits.
In response to ongoing contention regarding free speech on the UC Berkeley campus, CED began the school year by hosting a Free Speech Forum to discuss the issues facing the campus and College. Led by Dean Jennifer Wolch, the event allowed members of the CED community to express concerns, pose questions and suggest solutions to the problems at hand. “Our community is bound by ties of friendship and collegiality and pledged to mutual support of those in our midst who are dealing with such challenges,” Wolch said at the event, which was attended by students, faculty and staff.

**Bill’s Beach** — a playful new installation honoring the legacy of influential landscape architect, ASLA Fellow, and CED alumnus Bill Callaway (B.L.A. ’66) — was completed in October. Designed by SWA co-founder and former LAEP Chair Peter Walker, FASLA, (B.A. Landscape Architecture ’55), the whimsical and provocative memorial features a bronze palm tree towering above an Astroturf lawn and two outsized Adirondack chairs with arms holding martini glasses beneath bright blue skies, referencing the many talks Bill had with friends in similar settings over his lifetime.

CED students Aboubacar Komara (B.A. Arch ’18) and Matt Turlock (M.Arch. ’19) were part of a collaborative team of UC Berkeley and University of Denver students who placed third in the 2017 Solar Decathlon, a collegiate competition that challenges students to design and build full-size, solar-powered houses. The team created the RISE Home, a sustainable, net-zero house designed specifically for the densely-populated city of Richmond, California. Sponsored by the U.S. Department of Energy, this was the first time a team from UC Berkeley had ever competed in the contest.

**Undergraduate student Julia Isabel Martinez Rivera (B.A. Landscape Architecture ’19) fought her way to the National Collegiate Boxing Association’s championship and won in her weight category — despite only joining Cal’s boxing team 10 months before. Trained in Muay Thai, jiu-jitsu and karate, Rivera won all three of her matches in what was considered one of the greatest upsets in Cal Boxing history according to head coach Jonathan Zaul.**
A Berkeley Food Institute research team including Assistant Professor of City & Regional Planning Charisma Acey was awarded a $295,000 Seeding Solutions Grant to help improve the ecological resilience and economic viability of urban and peri-urban farming systems and urban food distribution networks to help meet fresh produce needs of low-income consumers. Awarded by the Foundation for Food and Agricultural Research, Acey was the co-principal investigator for the project.

↓ January

Seven Master of City Planning students embarked on a semester-long community development studio led by lecturer Claudio Cappio to examine live-work and DIY spaces as overlooked housing types in Oakland. Influenced by the Ghost Ship warehouse fire in 2016, alumnus Gregg Perloff (M.C.P. ’76) sponsored the Ghost Ship Studio which focused its research on code compliance processes and preservation financing. Students found that despite being well-intended, the current notices of violation created barriers that further impeded the code compliance process by artist communities.

↓ February

Big Give, UC Berkeley’s annual 24-hour online crowdfunding campaign, raised over $80,000 in support of scholarships and fellowships for students at the College of Environmental Design. With help from CED’s Students of Color (CEDSOC) student group, the Diversity Fund was established to continue the College’s efforts to attract and retain talented students from diverse backgrounds.

↓ March

Kyle Steinfeld published a book co-authored with educator and researcher Joy Ko in April. Titled Geometric Computation: Foundations for Design, the book describes the mathematical and computational concepts that are central to the practical application of design computation in a manner tailored to the visual designer. Uniquely pairing key topics in code and geometry, the book develops the two key faculties required by designers that seek to integrate computation into their creative practice: an understanding of the structure of code in object-oriented programming, and a proficiency in the fundamental geometric constructs that underlie much of the computational media in visual design.

↓ April

The All Bay Collective (ABC) — a multidisciplinary team of CED faculty, students and industry professionals — concluded their research and design proposal for the Resilient by Design (RBD) Challenge, a project that brought together residents, public officials and local, national and international experts to develop innovative solutions to the issues brought on by climate change in the Bay Area. ABC explored resilient corridors, resilient equity hubs and tidal cities in the San Leandro Bay, ultimately proposing to create whole floating urban neighborhoods in new saltwater lagoons and to use excavated dirt to build landforms to protect these neighborhoods.

↓ May

A Berkeley Food Institute research team including Assistant Professor of City & Regional Planning Charisma Acey was awarded a $295,000 Seeding Solutions Grant to help improve the ecological resilience and economic viability of urban and peri-urban farming systems and urban food distribution networks to help meet fresh produce needs of low-income consumers. Awarded by the Foundation for Food and Agricultural Research, Acey was the co-principal investigator for the project.
Bank of America Student Challenge

In May, a team of students called the Cal Community Builders won the 2018 Bank of America/Merrill Lynch Low-Income Housing Challenge, a competition that challenged students to come up with innovative solutions for vulnerable housing populations. The team identified an ideal site within Oakland’s Lakeside neighborhood and proposed a 178-unit development for formerly homeless and low-income residents. From left: I. Donald Terner Distinguished Professor of Affordable Housing and Urban Policy and Terner Center Director Carol Galante (M.C.P. ’78) with students James Conlon (M.C.P. ’18), Brian Goggin (M.C.P. ’18), Daniel Potter (M.B.A. ’19), Melissa Sandoval (M.Arch. ’19) and Bank of America representative Rob Reinhardt.

2018 Olmsted Scholar

Alexa Vaughn (B.A. Landscape Architecture ’16, M.L.A. ’18) was named a 2018 Landscape Architecture Foundation Olmstead Scholar, which recognizes and supports students with exceptional leadership potential who are using ideas, influence, and service to advance sustainable design and foster human and societal benefits. Vaughn — a first-generation, Deaf student — specializes in designing landscapes for difference and dis/ability using Universal Design principles to go beyond basic ADA requirements. In 2018 she served as vice president of ASLA at UC Berkeley and editor-in-chief of Ground Up Journal.

Form Follows Competition

In November, the Environmental Design Archives hosted its second-annual Form Follows Chair Design Competition which gave CED students the opportunity to design and construct a chair that defied the boundaries and constraints of conventional furniture. The theme of the competition was “post-war design,” and participants were challenged to incorporate archival collection materials into their design concept as well as consider the relationship between their design and the person who might use it. The top prize and award of $500 went to Greta Aalborg-Volper (M.L.A. ’19) who created a deceptively simple L-shaped chair that utilized a computer numerical control (CNC) process to create knots in the plywood structure on the sides of the piece.
Razieh Ghorbani (Ph.D. Architecture '22) was awarded the prestigious Carter Manny Award for doctoral research in November. Funded by the Graham Foundation, the award is given annually to two doctoral students in recognition of original and advanced doctoral writing and research in architecture. Ghorbani is a fifth-year Ph.D. candidate specializing in history and theory of architecture in the Middle East. Her research explores the everyday politics of architecture and construction in Iran, focusing on how architects and other players within the building industry recalibrate the boundaries of their practices under specific economic and political situations.

Female Athlete of the Year

College of Environmental Design student Megan Bradley (B.A. Landscape Architecture '18) was named Female Athlete of the Year by Cal Sports for her achievements on Cal's cycling team. Competing against 34 other top athletes, Bradley's accomplishments in cycling stand out as she has earned the Western Collegiate Cycling Conference Omnium Award as the leader in cross country, short track, downhill, dual slalom and super D for two consecutive years. In addition, Bradley was the winner of the 2017 24 Hours of Adrenalin bike race, was a gold medalist at the 2016 USA National Mountain Bike Championship, and was also awarded the prestigious NICA Rider of the Year award by InterBike in 2016.

Judith Lee Stronach Baccalaureate Prize

Judith Lee Stronach Baccalaureate Prize winner Aboubacar Komara (B.A. Architecture '18) spent his summer vacation building modular, low-cost homes in his hometown of Conakry, Guinea. Komara put his $25,000 prize money towards a concept he calls Kaloum Bankhi, or houses of Kaloum, a project he hopes will transform slums stricken by poverty, overpopulation and a lack of proper sanitation. Inspired by a project from his ARCH100C studio with Joseph Esherick Visiting Professor of Practice Mary-Ann Ray, Kaloum Bankhi seeks to address the challenges of building efficient and flexible multi-use housing to accommodate large or expanding families.
The Center for Independent Living (CIL) recognized Professor of Architecture and City & Regional Planning Raymond Lifchez in January with the Ed Roberts Award, which recognizes and honors individuals who have made major contributions to the success of CIL and the independent living/disability rights movement in the US and internationally. Lifchez, who has taught at UC Berkeley since the 1970s, has dedicated his career to teaching universal design. He is the co-author of the highly influential 1983 *Scientific American* article “Physical Disability and Public Policy,” the first major article in a mainstream journal to make a strong case for universal design and describe the transformation of Berkeley as a city and university.

Professor of City & Regional Planning Karen Chapple was named a Fulbright Global Scholar for the 2017–2018 academic year, supporting six months of research at three different universities — the University College London, the Polytechnic University of Madrid, and the Universidad de los Andes in Bogotá, Colombia — to explore the feasibility of expanding the Urban Displacement Project, created by Professor Chapple and Dr. Miriam Zuk, to several cities in Europe, Latin America, and the US. The current project is an online early identification system that aims to understand the nature of gentrification and displacement in the Bay Area. It focuses on creating tools to help communities identify the pressures surrounding them and take more effective action.

Greig Crysler, Arcus Chair of Gender, Sexuality & The Built Environment and Professor of Architecture, was selected as one of two recipients of the 2017 Chancellor’s Award for Advancing Institutional Excellence and Equity. Presenting annually to a distinguished faculty member at UC Berkeley, the award is based on outstanding contributions in enhancing diversity, equity and inclusion. Chancellor’s Award recipients have demonstrated a commitment to excellence through leadership to advance equitable access to education, addressed the needs of California’s diverse population through public service, or highlighted inequalities through rigorous scholarly research. The distinguished recognition includes a $10,000 grant that will be placed into a departmental account for the faculty member to continue efforts on diversity, equity, and inclusion.
Faculty Award for Excellence in Mentoring

Associate Professor of Architecture Stefano Schiavon was the recipient of the Berkeley Postdoctoral Association’s 2017 Faculty Award for Excellence in Postdoctoral Mentoring for his extraordinary contributions toward fostering professional and scientific development, providing guidance and support to postdocs and other scholars, and facilitating open communication and networking opportunities. Associate Professor Schiavon’s nomination highlighted his commitment to fostering his postdocs’ professional and scientific development.

ASCA Distinguished Professor Award

The Association of Collegiate Schools of Architecture (ACSA) recently honored Dana Buntrock, UC Berkeley Professor of Architecture and Chair of the Center for Japanese Studies, with the prestigious Distinguished Professor Award for her sustained achievement, academic accomplishments, and passionate advancement of architectural education. ACSA’s Distinguished Professor Award recognizes sustained creative achievement in architectural education through teaching, design, scholarship, research, or service, leading to an understanding and appreciation of architectural education in the community at large. Buntrock, who has taught at CED since 2000, champions architecture’s influence in reducing inequity, creating economic opportunity, and addressing society’s economic, environmental and ethical challenges in her teaching.

Best Article Award: Journal of Urban Affairs

Carolina Reid, an Assistant Professor of City and Regional Planning and faculty research adviser at UC Berkeley’s Terner Center for Housing Innovation, was honored with the Best Article Award of 2018 by the Journal of Urban Affairs. Titled “Revisiting the Subprime Crisis: The Dual Mortgage Market and Mortgage Defaults by Race and Ethnicity,” the article focuses on the foreclosure crisis facing the United States and the racial dimensions that intersect the crisis using national data from over 900,000 loans pulled between 2004–2007.
When he’s not teaching at CED, Walter Hood — Professor of Landscape Architecture & Environmental Planning and Urban Design — leads Hood Design, an Oakland-based landscape architecture firm that was recently commissioned to design the landscape for the International African American Museum (IAAM) in Charleston, South Carolina.

The landscape design concept for the International African American Museum is inspired by both the cultural significance of the museum’s story and the local landscape of South Carolina’s low-country. As many as half of African Americans today have an ancestor who arrived at Charleston’s Gadsden’s Wharf from West Africa; the landscape strategy takes cues from the tradition of “hush harbors” — landscapes where enslaved Africans would gather often in secret, outside the view of slave owners, to freely assemble, share stories and keep traditions from their homeland alive.

Closest to the building, low-country planting includes a sweet grass field and curving brick walls defining the edge. Site objects mark the history and archeology of the site. This area also allows for informal and programmed gatherings where stories and traditions can once again be shared.
Virtual Reality (VR) and Augmented Reality (AR) will be the next platforms for work, communications, and entertainment, following the computer and the smartphone says Luisa Caldas, Professor of Architecture and Director of the Virtual and Augmented Reality Laboratory at CED. In 2017, she led the creation of the AR/VR Lab with a combination of her own research funding, equipment donations from Oculus and support from the Department of Architecture.

Architecture is a natural fit for VR, as architects have always been designers of 3D environments. CED’s students are particularly well positioned to assume key roles in this emergent and disruptive field. With some of the industry’s major players located in the Bay Area, valuable research opportunities are emerging. To date, Caldas’ students have have forged collaborations with Industrial Light and Magic (LucasFilm), Oculus, and Autodesk with more opportunities on the horizon.

Caldas taught the first VR course offered on the Berkeley campus and has been exploring the potential of VR in education well beyond Wurster Hall. In her VR course, now in its third edition, graduate students from architecture, city planning and landscape architecture have produced innovative projects and applications, some of which have been presented to HTC, Immerex, and at CED’s annual Circus. The projects from the last academic year were a part of a campus-wide AR/VR event planned in April by the Arts+Design Initiative for UC Berkeley’s 150th anniversary commemoration.

Not since the invention of the throwing wheel has an innovation come along as transformative in shaping ceramics as 3D-printing. Conceived by 3D-printing pioneers Emerging Objects — founded by Professor of Architecture Ronald Rael and his partner Virginia San Fratello — The Bottery will be a space where robotic ceramics can be made and enjoyed by all.

Rael’s goal is to create a design manufactory for ceramic innovation using state-of-the-art technology. The Bottery will be a space in Oakland where Emerging Objects will host educational workshops in 3D-printing in clay for individuals and companies, making it possible for anyone to learn how to produce technological, functional, or sculptural ceramics. Not in Oakland? An intuitive, easy-to-use app is also available for hobbyists anywhere on the planet to be able to shape and manipulate forms for 3D-printing using their own equipment.
According to the US Energy Information Administration, the number of plug-in electric vehicles (PEVs) in the US doubled between 2013 and 2015 and is expected to reach 20 million by 2020. With this increase — due to improvements in range, charger availability, and price, among other factors — comes higher peaks of energy demand causing instabilities in the power grid.

Published in *Nature Energy*, “Planning for Electric Vehicle Needs by Coupling Charging Profiles with Urban Mobility” by Associate Professor of City and Regional Planning Marta Gonzalez shows how connecting plug-in vehicle mobility data together with charging activity data can facilitate the adoption of methods to lower peak demand. Based on research conducted in collaboration with co-authors from MIT, SLAC National Accelerator Laboratory, Berkeley Lab, and UC Berkeley’s Department of Civil and Environmental Engineering, Gonzalez’s article presents a method to estimate individual mobility of PEV drivers at fine temporal and spatial resolution by integrating the mobile phone activity data of 1.39 million Bay Area residents, census data, and PEV driver survey data.

While other research has included measuring grid impact, developing PEV energy consumption models, and various smart charging strategies such as scheduling, peak shaving, emissions, pricing models, and network optimization, mobility hasn’t been part of the consideration set. The results of this research open avenues for planning for the future of coupled transportation and electricity needs.
Richard Hindle — Territory and Technology: A Case Study and Strategy from the California Delta

In his article “Territory and Technology: A Case Study and Strategy from the California Delta” published in THE PLAN Journal, Assistant Professor of Landscape Architecture & Environmental Planning Richard Hindle and co-author Neeraj Bhatia delve into the history of transformation of the California Delta to uncover insights for contemporary redesign strategies.

The Swamp Lands Act of 1850 radically reconfigured the California Delta landscape through a bottom-up process of technological innovation and land grants that incentivized private development. Despite the negative consequences of these intensive interventions, the article proposes that the entrepreneurialism sparked by this bottom-up approach offers a useful template for reimagining the future of large-scale landscape systems threatened by environmental challenges that no single government agency or entity is equipped to respond to.

Taking a deep dive into the new inventions and patents that provided the mechanisms for reshaping of the Delta landscape and ecology, Hindle opens a window to the vivid imaginations of the inventors bent on molding the environment to their vision. The article also examines the benefits of experimental pedagogies as exemplified in the 2016 DredgeFest California workshop led by Hindle and Bhatia. The article notes, “Given the convergence of environmental imperatives in the delta, a reverse process of socio-technical innovation could facilitate the renewed productivity, reconstruction, and possible re-wilding of a system essential to the most urbanized state in the nation.”
The Terner Center for Housing Innovation received a $750,000 grant from the David and Lucile Packard Foundation to fund researching solutions for the Bay Area’s affordable housing crisis. The Terner Center’s grant complements the Packard Foundation’s July 2017 $5 million mission investment to the Housing Trust Silicon Valley to provide loans to affordable housing developers with a goal of creating 10,000 affordable homes in the region in the next decade.

The Center for Cities + Schools (CC+S) partnered with researchers from the Resilient By Design Challenge to bring resilient thinking into the classroom. Over the course of the academic year, CC+S worked with 500 high school students across the Bay Area to integrate resilience planning and innovation by challenging students to invent solutions and create proposals for combating the environmental and social impacts of climate change.

The Center for the Built Environment (CBE) released a new suite of free and publicly available online resources to facilitate academic and professional studies of thermal comfort in buildings. The tools are the result of a four-year effort led by CBE and the University of Sydney’s Indoor Environmental Quality Laboratory.

The Center for Environmental Design Research’s interim director, Gail Brager, co-authored 12 academic articles on topics related to indoor environmental quality, ventilation, personal comfort models and thermal comfort with a handful of researchers and collaborators within the center’s four research groups.

Professor of City & Regional Planning Jason Corburn, director of the Institute for Urban and Regional Development, was awarded the prestigious Peder Sather Grant for the 2017–18 academic year to research participation in planning processes in relation to diversity and conflict for resilient communities in Norway.

Maria Paz Gutierrez — Floods: Shaping Resilient Emergency Relief Housing

Of the over 32 million people around the world displaced by natural disasters in 2012, 68 percent were victims of floods. As the density of at-risk metropolitan areas increases due to climate change, unmanaged urbanization, and other factors, those numbers will only go up. In her article, “Floods: Shaping Resilient Emergency Relief Housing,” published in the Journal of Architectural and Planning Research, Associate Professor of Architecture Maria Paz Gutierrez proposes resilient emergency housing strategies that seek to promote resource efficiency and disaster-specific design.

Currently, 14 of the 17 largest global metropolises are situated along coastlines. Gutierrez notes that lower-income populations are most affected by flooding since land in flood-prone areas usually costs less. Furthermore, structures in these zones, often concentrated in slums, are not designed to withstand disaster events. This is particularly true in developing areas undergoing rapid informal urbanization, such as in many South American and Asian cities.

The traditional approach to emergency and transitional housing has been one of standardization, with universal solutions suitable for displacements due to a range of events from droughts to floods. Gutierrez’s article challenges the assumed advantages of this standardized approach. The article includes an analysis of current disaster housing types, looks at post-disaster socioeconomic and infrastructure issues, and finally evaluates the potential of an alternative model.

The “SHAPING” housing prototype Gutierrez proposes seeks to provide a framework for recovery from flood disasters where infrastructure challenges — such clean water and energy accessibility — require more resilient, longer-term solutions. The “SHAPING” prototype incorporates phased upgradability from emergency to permanent use and a resource-independent design for water, waste, and energy.
Newly Retired Professors

Ray Lifchez, Professor of Architecture and City & Regional Planning, retired after a 48-year tenure at UC Berkeley. In the 1970s, he developed seminal work on universal design and accessibility, including co-authoring *Design for Independent Living: The Environment and Physically Disabled People* which became a finalist for the 1980 National Book Award. In 1976, he received a Distinguished Teaching Award from UC Berkeley; in 2002, the Association of Collegiate Schools of Architecture Distinguished Professor Award; and in 2008, the Berkeley Citation. This year, he was honored with the Ed Roberts Award from the Center for Independent Living in Berkeley.

Professor of Architecture and Urban Design Harrison Fraker retired in the spring after over two decades of teaching at CED. As the fifth dean of the College, Fraker is recognized as a pioneer in passive solar, daylighting and sustainable design, applied research and teaching. Most recently, he received a $1.5 million research grant from the California Energy Commission for his Oakland EcoBlock Project, an entirely renewable whole-systems housing retrofit model.

Galen Cranz, Professor of Architecture, retired after 43 years of teaching in the Architecture Department at CED. A certified teacher of the Alexander Technique, Cranz taught social-cultural approaches to architecture and urban design, emphasizing ethnography as a research method. In 2011, she received the Career Award — the highest honor of the Environmental Design Research Association.

Anthony Dubovsky retired in the spring of 2018. In addition to teaching architecture, he is a widely known painter whose work has been shown at the CUE Art Foundation, the Hayden Gallery (MIT), the Yeshiva University Museum, and many others. His honors include a Humanities Research Fellowship from UC Berkeley and the first annual Alder Award from the Jewish Museum in San Francisco.
New Ladder-Rank Professors

Marta Gonzalez was appointed as Associate Professor of City & Regional Planning in the spring. Also a physics research faculty in the Energy Technology Area at the Lawrence Berkeley National Laboratory, her research focuses on urban computing with an emphasis on the intersections of people within the built environment and their social networks. Currently, her research team develops computer models to analyze digital traces of information mediated by devices. They process this information to manage the demand in urban infrastructures in relation to energy and mobility.

Anna Brand joined the College in the fall of 2017 as an Assistant Professor of Landscape Architecture & Environmental Planning. Her research focuses on the intersection of race and space, specifically looking at historic black mecca neighborhoods and how they change through processes of gentrification and resistance. Brand’s background is in urban planning and design. She received her Bachelor and Master of Architecture from Tulane University, her master’s in Urban and Regional Planning from the University of New Orleans, and her Ph.D. from MIT’s Department of Urban Studies and Planning.

Karen Trapenberg Frick was appointed as Associate Professor of City & Regional Planning in 2018. Frick teaches courses in transportation policy and planning, global cities and planning history and theory. An expert on sustainable transport and community-based planning, she authored a book in 2016 titled *Remaking the San Francisco-Oakland Bay Bridge: A Case Study of Shadowboxing with Nature*. Frick is also director of the UC Transportation Center and assistant director of the UC Transportation Center on Economic Competitiveness in Transportation.

“CED’s faculty — representing the best and brightest in academia — are characterized by their excellence, innovation and interdisciplinary collaboration, helping us expand the body of research, improve curriculum, and provide the backbone of support for our students.” —Jennifer Wolch, William W. Wurster Dean
The James R. Boyce Affordable Housing Studio

The James R. Boyce Affordable Housing Studio aimed to give students the opportunity to work in interdisciplinary teams and learn from leading practitioners to design solutions targeting the affordable housing crisis. This year’s studio, led by Carol Galante (M.C.P. ’87), Faculty Director of the Terner Center and the I. Donald Terner Distinguished Professor of Affordable Housing and Urban Policy in the College of Environmental Design, and co-taught by David Baker (M.Arch ’82) and Daniel Simons of David Baker Architects, connected students with architects, planners, and other real estate professionals to design a comprehensive affordable housing project, with some component focused on homelessness. Two potential sites were selected for development — in San Francisco’s South of Market neighborhood and in Downtown Oakland.

Generously funded through a gift from CED alumnus James R. Boyce (M. Arch. ’67), the studio is a realization of Boyce’s vision to promote the betterment of building and designing low-cost housing worldwide through competition. Monetary prizes are awarded to winning teams.

The studio culminated in a symposium on May 2, 2018 where six teams presented their designs to a group of judges made up of experts in the field. The symposium also included a panel discussion — “We Can Do This: Solving the Crisis of Homelessness,” moderated by Professor Galante — and presentations by: Angela Brooks, FAIA, Managing Principal at Brooks + SCARPA, Los Angeles; Brad Wiblin, Senior Vice President at BRIDGE Housing; David Baker, FAIA, Principal at David Baker Architects; and Tomiquia Moss, Chief Executive Director of Hamilton Families.

The judges selected two winning presentations: “Keystone Commons” by Cynthia Armour (M.C.P. ’21), Julie Mendel (M.C.P. ’20), Weinan Huang (M.Arch. ’19) and Yang Liu (M.Arch. ’19), designed for the South of Market site, includes a total 263 affordable housing units, with units dedicated to veterans and transitional-aged youth.

Sited in downtown Oakland, “The Ebell” by Matt Fairris (M.C.P. ’20), Fang Fang (M.Arch. ’20), Fiona Ruddy (M.C.P./M.P.H. ’18), and Matt Turlock (M.Arch. ’20) is a supportive housing development for 79 pregnant women and families with children under five experiencing homelessness, inspired by the values of the Ebell Women’s Club.

The impact of these kinds of collaborative, interdisciplinary studios can’t be understated. Commented one student, “I truly enjoyed the studio and learned so much. I now feel like I could do this kind of work and feel confident going into the job market.”
Ian and Felice Kay: Paying Back by Paying Forward

“We had such a good experience while Ian was a student at CED, we always felt that someday, if we had anything, we would start to pay back,” explained Felice Kay. In June of 2018 Ian and Felice Kay made good on that wish with a generous bequest commitment to CED for the support of future CED students and other needs of the College.

Ian Kay (M.Arch ’81) is a practicing architect and chairs the Architecture + Environmental Design Department at San Diego Mesa College, where he has taught for over 30 years. In the mid-1970s, on the advice of CED alumni architects in the firm where Kay worked while studying architecture at San Diego Mesa College, he and his wife Felice packed up and moved north so that Ian could obtain his degree from Berkeley. “It was 1977. We were young and married, with $3,000 in our savings account, and thought we were going to move to San Francisco and take it by storm,” Felice Kay recounted.

During his last year of grad school, Kay worked with former Architecture Chair Sandy Hirshen and partner Jack Trumbo for their firm. “We did low income and affordable housing, and they were so dedicated. I thought, ‘Berkeley’s doing the right thing,’” Kay explained. He added, “I received an incredible education for virtually free. When I say I went to architecture school at Berkeley, people are impressed.” Helping architecture students experience that same benefit motivated their gift.

The Kays designated their estate bequest in honor of their close friend, former classmate and architect Ralph Ahlers (B.A. Architecture ’79, M.Arch. ’81), who passed away in 2002. “He was a true Cal guy,” said Ian.

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Hoping their bequest will inspire others, Ian Kay emphasized, “People move on from college and they think they’ve done it all on their own. They don’t look back and realize what they got from their education.” Felice Kay added, “When we receive CED donor acknowledgments, we look for people we know from CED and think, where are you guys? Why aren’t you giving? Even $500 can make a difference.”

Nick Gerson: Maintaining a Family Legacy of Giving

In 1968, members of the Gerson family funded the Gerson Memorial Prize at CED in honor of family members including Oscar Gerson, a well-known German architect who established a prominent practice in Berkeley.

Over the years, Nick Gerson — grandnephew of Oscar Gerson — and his family have continued that tradition of giving. In addition to supporting the Gerson Prize, Nick Gerson has donated annually to the Archives. To maintain the family legacy, Gerson made a generous bequest commitment to CED in 2018 to support the Gerson Memorial Prize, Environmental Design Archives, and other discretionary needs of the College.

The Gerson family’s contributions to the Archives have included works by his father, architect Hans Gerson, and a substantial gift of the works of Bernard Maybeck. One of those works is a drawing of the Chaikoff House in Berkeley (below), which was designed by William Wurster and Hans Gerson in 1946. “The architectural practice that our father took over was in the same physical space as Maybeck and White, so we acquired a number of interesting things,” he remarked.

Architecture runs in the Gerson blood — three generations of relatives have entered the profession. Though not an architect himself, prior to his retirement Nick Gerson was the president of Design Workshops, one of the premier makers of architectural millwork in Northern California, originally founded by Nick’s uncle Hellmut Gerson. “I truly enjoyed working with architects, so my goal in supporting CED has been to help educate architects,” he explained.

Gerson added, “Very simply, what I would like most is for students who may not have the money, to be able to attend architecture school. My vision is to help those who are not quite as fortunate, be able study a field that touches every living person.”
Fong feels that anything that can help offset the increasingly high cost of education, including housing, is essential. But Fong and Chan’s commitment to education doesn’t end when a student achieves their degree. “We believe firmly in a life-long pursuit of knowledge,” he said. “And we reinforce that belief in our company by encouraging our staff to pursue continuing education through seminars at UC Berkeley, sending people to Harvard for summer classes, and making it easier for staff to pursue a graduate degree at CED, something we’re highly in favor of.”

For 35 years, Fong has led his firm with a unique aesthetic vision, believing that the design must satisfy both the rational and emotional needs of the occupant. His work has been featured in numerous published articles and has resulted in more than 70 national and statewide design awards.

Grateful for his success and inspired by his CED experience to contribute, Fong believes it is up to all of us to inspire a culture of generosity. “We hope the endowment will continuously support deserving and talented individuals from all walks of life — to provide opportunities to those less fortunate than us.” He continued, “Donations can have a lasting impact on the school as a whole, supporting exceptional programs, retaining renowned teachers and staff, and maintaining CED’s high standing.”

**The Fong & Chan Undergraduate Architecture Scholarship**

David Fong, FAIA, FARA, LEED AP (B. Arch. ’68) is the founding partner of Fong & Chan Architects. In 1998, he and his partner, Chiu Lin Tse-Chan, established the Fong & Chan Architects Undergraduate Scholarship Endowment Fund. The fund awards scholarships to undergraduates in the Department of Architecture who demonstrate academic merit and financial need. Last year, six architecture students were selected for the scholarship: Eunice Chung, William Dolin, Angela Kim, Shaun Lien, Xiang Qin, and Caroline Scholze.

“**In our office, my partner and I have always believed that one of the most important paths to architectural leadership is education.**” —David Fong (B.Arch. ’68)
The Falik Family Graduate Fellowship in Housing Policy and Affordable Housing

“It’s important to support institutions that have the potential to change major policy in the state and in this country and that may not have the same financial resources available to private institutions,” said Bill Falik. “For me personally, I want to encourage and reward excellent performance by students who will be making a significant difference in areas of development and public policy in the years to come.”

A practicing attorney and real estate developer, Falik recently funded the Falik Family Graduate Fellowship in Housing Policy and Affordable Housing. The fund provides for support for one or more CED graduate students who demonstrate a commitment to work in the areas of housing policy and affordable housing, and is modeled on similar fellowships he has funded at the schools of Law, Business, and Public Policy.

For the last 12 years Falik has taught interdisciplinary real estate courses as an adjunct professor at Berkeley Law School, Haas School of Business, Goldman School of Public Policy, and the College of Environmental Design. Expressing his concern over the current housing situation, especially in the Bay Area, Falik said, “It’s an absolute necessity that we have more affordable housing built and occupied by people who would otherwise be in a situation where they can’t afford to have a roof over their heads.”

Falik cited the fellowship’s first recipient, Mark Trainer (M.C.P. ’19), as an example of the potential impact that CED students can make in housing policy and housing development. As a member of CED’s winning Golden Shovel team — a semester-long real estate competition between students at Berkeley’s Haas School and Stanford Graduate School of Business — for which Falik was this year’s coach, Trainer collaborated with four Haas MBA students on a plan to convert BART’s 2,000-space parking lot into 1.8 million square-feet of mixed-use development while working within strict guidelines.

“I was intrigued by Mark’s ability to successfully facilitate the interaction between four primarily profit-motivated business students and his own public sector, non-profit perspective,” commented Falik. “I hope that fellowships like this will inspire CED students to look toward housing policy and affordable housing development, and do things that can lead to real change.”
CED Circus

On March 2, CED hosted one of its most anticipated events: the CED Circus. Celebrating its eighth year, the Circus provided a unique opportunity for students to meet and gain valuable feedback from influential leaders and practitioners in the environmental design realm. Nearly 90 Distinguished Visiting Fellows comprised of the College’s most loyal supporters — emeriti faculty, alumni, and highly-regarded professionals — joined with over 150 students, packing the halls of Wurster for the action-packed, day-long event. Introductory remarks from Dean Wolch and department chairs set the tone for the day, after which visitors attended presentations of innovative research by CED faculty members Karen Frick (DCRP), Anna Brand (LAEP) and Neyran Turan (ARCH).

Following a networking lunch in the Wurster Courtyard, visiting fellows were invited to review and judge over 88 individual student and studio presentations. Lively deliberations preceded the final selection of winning student presentations.

Additional event highlights included guided virtual reality demonstrations by CED graduate students and a festive closing party where Fellows and students networked and caught up as the UC Berkeley Jazz Band performed in the background.
CED Homecoming Open House

On Saturday, October 21, Wurster Hall welcomed over 75 alumni, parents, students, and members of the public to explore and celebrate its newest updates during Homecoming Open House. The program included an opening presentation by Dean Wolch, department chairs, and Assistant Dean of Development + Alumni Relations Christopher Glick, highlighting the latest exciting news from CED including CED’s new Master of Real Estate Development + Design (MRED+D) Program and a dedication of the new Ong&Ong Plaza. Visitors then had the option to hear how Associate Professor of Architecture Nicholas de Monchaux is using digital mapping and data science to reveal how the lowly vacant lot can make cities more resilient, or take a guided tour of Wurster Hall’s newest renovations including the seventh floor Flex Studios, classrooms 170 & 172, the Machine Shop and Fabrication Lab, and the 2nd Floor Student Hub. Complimentary lunch was hosted by the College’s new café, Rice & Bones.

Annual Donor Appreciation Luncheon

As a public institution reliant on continual funding to support its mission, the College of Environmental Design is indebted to its generous donors. Without their ongoing support, CED would not stand where it is today as one of the top environmental design colleges in the nation. This year’s Donor Appreciation Luncheon honored those individuals who contributed $1,000 or more or gave to scholarships and fellowships, along with the student recipients who benefited from these gifts.

Approximately 75 donors and students attended the luncheon on Wednesday, November 8 in the Garden Room of Clark Kerr Campus. Featured speaker Ari Damon, who, with partner Srinivas Narayanan, established the LAEP Award for Excellence in Landscape Architecture, discussed the importance of landscape architecture in combatting the effects of climate change and environmental degradation. CED student Cooper Rogers (M.Arch. ’19), recipient of the Martens Endowed Fellowship and the Otto Schiebold Memorial Fellowship in Architecture, expressed his gratitude to donors for the space to think critically and apply what he’s learned to design practice, free of the anxiety of student debt.
Carme Pinós and the Rupp Professorship & Prize

A number of events this year showcased the work and achievements of 2016 Rupp Professorship & Prize recipient, Carme Pinós. Pinós leads the architectural firm Estudio Carme Pinós in Barcelona, Spain and is known for designs ranging from cultural centers, educational institutions, and public housing to office towers, urban landscapes, and furniture design. Recently, she was awarded the prestigious 2018 commission to design Australia’s MPavilion.

Bestowed every two years, the Rupp Professorship & Prize acknowledges a practitioner making significant contributions to promoting gender equity in the field of architecture, and whose work emphasizes a commitment to sustainability and community. The Rupp Prize is designed to allow recipients to explore and re-engage in scholarly pursuits, and includes a $100,000 award and semester-long professorship. In addition, recipients are invited to showcase their work through a public lecture and exhibit.

In January of 2018, CED welcomed Pinós, along with fellow visiting professor Mabel O. Wilson at a reception in Wurster Gallery. As part of the Spring 2018 architecture lecture series, Pinós presented her work and thinking during a public lecture at the BAMPFA Osher Theater. The event preceded the opening of her exhibit in Wurster Gallery, “Journey through the Works of Carme Pinós,” which displayed dozens of images of her studio’s most notable buildings, including Cube II Towers in Guadalajara, Mexico; the Caixaforum Cultural and Exhibition Centre in Zaragoza, Spain; and more recent designs such as the Regional Office of the Generalitat in Tortosa, Spain.

This past spring, Pinós led an undergraduate studio course focused on the creation of a refugee camp. Students were charged with developing designs for provisional emergency shelters that not only respect the dignity of those housed within, but also the surrounding environment so that nature may recover its previous form as easily as possible.
Q&A with Environmental Design Archives Curator, Chris Marino

Chris Marino took over as Curator of the Environmental Design Archives in July from retiring Curator Waverly Lowell. We asked Chris about her new role and plans for the future of the Archives.

What excites you most about your new position?

As curator, I’m doing much of what Waverly did — actively soliciting new collections and fundraising, since our operating budgets depend largely on grants and our private donations. What excites me most, though, is thinking creatively about how we can facilitate access to our holdings, whether that’s soliciting faculty or developing more creative programming, for example, curating exhibits around studios in order to engage students with the Archives. We’re also trying to establish a born digital records program. Many of our newer collections consist of CAD drawings and, as archivists, we have to figure out how we’re going to ingest and process this material and make it available.

What is the most unusual request you’ve received?

Last year I received a request for an image of a certain galanthophile. I had to look it up! It’s a snowdrop enthusiast. Because of the wonderful person who did that finding aid for our Gertrude Jekyll collection, the researcher was able to discover that a photograph existed, taken by Jekyll of British explorer Frederick Burbidge, curator of the botanical gardens at Trinity College in Dublin and a noted galanthophile. We had the image, we digitized it, and it will be in a forthcoming book called *Galanthophiles: a History of Snowdrop Enthusiasts*.

What can we look forward to from the Archives in the coming year?

We have a lot of interesting programming this fall. This is the third year of our furniture competition — the theme is to design outdoor furniture influenced by the architecture of the Sea Ranch community. Also, with funding we received, we’re working together with the University of Pennsylvania to digitize over 700 objects from our collection and will make them available as an interactive collection about the design development of the Sea Ranch. We also have some great speakers lined for our Gallery Talks lecture Series.

Past, Present, Future: The Archives and the Waverly Lowell Fund

The Archives saw many changes this year, including the retirement of longtime curator Waverly Lowell. Over the course of two decades, Lowell transformed the Environmental Design Archives (EDA) into a major scholarly resource and an asset to the community extending far beyond Wurster Hall. Her vision and tenacious dedication to the acquisition and preservation of its collections created one of the leading regional repositories of architectural history in the country. Lowell also authored many books during her tenure at CED, including *Architectural Records: Managing Design & Construction Records*; *Living Modern: A Biography of Greenwood Common*; and *Design on the Edge: A Century of Teaching Architecture, 1903–2003* (left to right, above). “A force of nature” is how *San Francisco Chronicle* urban design critic John King recently referred to Lowell.

Although she has left CED, Waverly Lowell’s legacy will continue in the form of a fund dedicated to supporting archival research in environmental design. Lowell established the fund in 2016 with a philanthropic gift from an anonymous donor. Recently, the fund was enhanced through additional gifts made in honor of her service. The fund supports on-site research projects at the EDA in the form of fellowship grants to graduate students, faculty, and independent scholars conducting research related to the materials in the Environmental Design Archives. The fund will award research grants annually.
"We’re really trying to establish ourselves as the intellectual heart of the College," explained Environmental Design Librarian David Eifler (M.C.P. ’85). This past year, the Environmental Design Library responded to the changing research landscape by continuing to expand its repertoire of services.

In 2017, through a gift from George Anastaplo (M.Arch. ’95), the library was able to extend its Sunday hours. The gift was generously doubled this year to allow students the advantage of earlier Saturday hours beginning this fall. "Through incremental changes like this, our gate count has increased over 100 percent in the last six years," said Eifler.

“We’re trying on every level to foster a relationship between librarians and students, to be involved in their research process, because we believe we can save them a lot of time,” added Eifler. To that end, the library provided 59 classes to grads and undergrads — including skills-based workshops, orientations, and class-based instruction — and answered over 1,300 reference questions. Programming was also an important part of this effort: 16 events were hosted, including book talks by Nicholas de Monchaux, Elizabeth Macdonald, Joe Slusky, Gordon Douglas, and Richard Register. The latter featured his book, Ecocity Berkeley: Thirty Years On with an accompanying exhibit. Highly anticipated in 2019 is a Julie Chen-curated artists’ book exhibit, “The Book as Place: Visions of the Built Environment.”

The library significantly expanded its shelf and online resources, purchasing approximately 3,000 volumes with a focus on emerging areas of study including sea level rise, food justice, African urban planning, and displacement. Book donations numbered 2,700, including volumes from the collections of Professor Emeritus of City & Regional Planning Robert Cervero and rare volumes from the Pam and John Woodbridge Estate.

The library also acquired five new databases: Detail Inspiration, the Architectural Digest archive, ASHRAE Standards, the entirely digitized back run of the San Francisco Chronicle, and Data Planet — an economic, demographic and social statistical indicator database particularly useful for planners.

“It’s been amazing to see the results of our effort — we’re nearly at capacity — but that doesn’t eliminate the need for more support,” said Eifler. Future needs include funding for facility maintenance, acquiring collections, program support, and additional staffing.
Rice & Bones

Reaching delicious heights in campus culinary experience, Wurster Hall’s new café, Rice & Bones, opened its doors to the UC Berkeley community in October 2017. The brain-child of Charles Phan — founder and executive chef of the famed Slanted Door and sister restaurants Out the Door, OTD and Hard Water, and former CED architecture student — the café offers an affordable menu of fresh, seasonal items in a tastefully reimagined space once home to the much beloved Ramona’s Café. The café opens out to Wurster’s beautiful Ong & Ong Plaza where guests can start their morning with a Vietnamese coffee or unwind at the end of the day with a glass of locally-sourced beer.

Wurster Hall’s Auditorium Audio Redux

This past spring, Wurster Hall’s first-floor auditorium experienced a much-needed audio upgrade, thanks to a generous donation from Charles and Trudy Salter. Salter, who teaches a course in architectural acoustics at CED and heads the acoustical consulting firm, Charles M. Salter Associates, designed the original auditorium’s acoustical system. Aging equipment, however, was causing many electrical problems. “Our original system was from the 1990s, older than most of the students here,” remarked CED AV/IT Manager Jeff Allen. The upgrades included 17 new wireless microphones, a new stereo system for better coverage for audio across the room, and audio remote control. In addition, the stage now sports a new podium, designed and built by CED Fabrication Shop Manager Semar Prom.
Bill’s Beach

On February 3, 2018, friends, colleagues, and donors shared stories and cocktails during the dedication ceremony for Bill’s Beach, Wurster’s new second-floor installation. The whimsical redesign of the formerly barren light court, designed by SWA co-founder and former LAEP Chair Peter Walker, FASLA, (B.A. Landscape Architecture ’55) memorializes influential landscape architect, ASLA Fellow, and LAEP alumnus Bill Callaway (B.L.A. ’66). During her dedication remarks, Dean Jennifer Wolch recounted the history of the light court and the litany of ideas dating back to when the building opened in 1965, abandoned, like the space itself, for over five decades. After acknowledging all who contributed time, talent, and funds to help bring the installation to fruition, Dean Wolch concluded, “Finally, we have a playful and provocative installation that is meant to be seen and not heard, a spot of bright color against a grey concrete building, a place with a narrative about a beloved and distinguished alumnus with a great sense of humor and joie de vivre.”

Fourth Floor Classroom Renovations

As part of the Flex Studios Initiative, four rooms on the south end of Wurster Hall’s fourth floor received welcomed renovations this year. With the goal of making the previously underutilized spaces more flexible and usable by students across all CED disciplines, the facilities team began with the most critical needs, replacing old and broken furniture and addressing a lack of presentation equipment and space. New linoleum flooring, energy efficient lighting, additional pin-up space, and a fresh coat of paint were all part of the package. Additionally, room 493 was converted into a computer, printing and plotting lab for students in this wing. With these recent improvements, these “flex” rooms can be used as studios, classrooms or review spaces.
CED Staff Q&A: Meet the Department Coordinators

CED’s administrative staff are the glue that hold the College together. We asked Jessica Ambriz (left), Landscape Architecture & Environmental Planning Scheduler and Chair’s Assistant; Jennifer Wang (center), Architecture Special Projects Coordinator; and Valeria Spall (right), City & Regional Planning Scheduler and Administrative Assistant to share their experiences working in three of the most essential positions in the College.

What do you enjoy most about what you do? What is most exciting?

Jessica Ambriz — The most exciting part of my role is working with students in my department and helping them get through the academic year any way that I can. For me, that interaction is the most rewarding.

Jennifer Wang — I really love the creative environment and enjoy learning vicariously through our talented faculty and students. Architecture and design are strong interests of mine as well.

Valeria Spall — I enjoy organizing events like the Lecture Series. There are a lot of elements that go into it and at the end of the day you have a fun, communal activity and a lot of free food. And I’m always the one to pick catering.

What is the most important aspect of your role?

JA — I provide a lot of guidance for students — about classes, the department, scheduling, or meeting with their faculty member. Helping students connect with their faculty members is definitely one of the most important aspects of what I do.

JW — I coordinate departmental events and exhibitions which provide excellent opportunities for the CED community to connect with prominent architects and their work. We have an exciting Lecture Series with eight public talks and one exhibition planned for the fall.

VS — Probably the most important would be course scheduling and managing department work — anything related to faculty and staff. There are a variety of things that I do in that area.

What is special about your department that most people might not know?

JA — I can’t really mention the Landscape Department without talking about Blake Garden — it’s such a valuable asset. It is a living lab for our students and a great environment for students to get real hands-on experience. We utilize it for a lot of our teaching and activities — even the department staff will go and enjoy the garden and learn from the amazing Blake staff.

JW — We have a new Chair, Renee Chow, who has been a faculty member in the department for 25 years and an excellent team of staff. Our graduate student affairs officer, Lois Koch, has worked here for over 33 years and Michael De Leon, our scheduler, for over 10 years! They are great resources filled with tons of knowledge about the department.

VS — We have a really friendly, nice relationship between staff, faculty, and students. For instance, our manager Malla Hadley — students just stop by to chat with her, even years after graduating. It’s a welcoming atmosphere for new students and for graduate students who have been here for a long time.
The College continues to deliver high caliber programs with limited resources.

This year, campus units were once again asked to operate within a financial target to help the university in its multi-year effort to eliminate its structural deficit. These targets allowed units to set their own revenue and expense goals. CED continued with its revenue generation strategy and met the financial target for 2017–18.

As a public university, UC Berkeley is committed to keeping education accessible and fees affordable. However, state funding and tuition have not been able to keep up with increased costs. State funding has been declining over time, with the state providing 50% of UC Berkeley’s budget in 1985 compared to 13% today. Tuition was held constant from 2011–12 through 2016–17, while costs have continued to increase with inflation. This means that CED operates as a lean organization and relies on generous philanthropic support — especially unrestricted funds — to maintain excellence in our core programs and services.

CED responded this year by creating additional high value, revenue-generating activities. These include growth in our professional degree programs, launch of the Master in Real Estate Development + Design (the College’s first self-supporting degree program), introduction of the CED Global Access Program (in partnership with University Extension) for international students to study at Berkeley for a semester, and offering an leadership education program on affordable housing to government officials from India (in partnership with Goldman School of Public Policy). In addition, CED is working with the College of Engineering to offer a self-supporting Master of Design degree, which (if approved) will be launched in 2020.

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<tr>
<td><strong>Total Revenue</strong></td>
<td><strong>$25,800,000</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EXPENSES</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic Salaries</td>
<td>42%</td>
</tr>
<tr>
<td>Staff Salaries</td>
<td>16%</td>
</tr>
<tr>
<td>Benefits</td>
<td>20%</td>
</tr>
<tr>
<td>Supplies and Materials</td>
<td>3%</td>
</tr>
<tr>
<td>Scholarships and Fellowships</td>
<td>13%</td>
</tr>
<tr>
<td>Other (travel, meetings, services)</td>
<td>6%</td>
</tr>
<tr>
<td><strong>Total Expenses</strong></td>
<td><strong>$25,800,000</strong></td>
</tr>
</tbody>
</table>
We want to thank the College of Environmental Design’s alumni, faculty, students, and friends for their generous donations over the past year to support the College’s mission.

Increasingly, philanthropy plays a larger role in ensuring the overall fiscal health of the College while helping to underwrite projects and programs that otherwise wouldn’t have the necessary resources to operate.

**This past year, CED raised over $4.7 million dollars, which brought the College’s three-year fundraising average to $5.3 million.**

In March, the Development + Alumni Relations office partnered with the CED Students of Color (CEDSOC) to support diversity initiatives for students within the College through UC Berkeley’s Big Give event. The one-day crowdfunding event was a huge success: CED raised more than $80,000, doubling the amount raised from the previous year. The Diversity Support Fund is an ongoing initiative that will help provide resources to recruit diverse students at the undergraduate and graduate levels, as well as provide financial aid for individuals to help offset the cost of attending UC Berkeley. It’s initiatives like these that are making a difference in the lives of students.

The other major initiative launched this past year was WursterLife, an online alumni relations platform that connect students to alumni for the purposes of finding internships, learning about various professional fields, and finding jobs.

Additionally, this platform allows alumni to connect with one another to reestablish friendships and build professional networks. The Development + Alumni Relations Office is using this program as the launching pad for a new focus on connecting with alumni to build stronger relationships between them and the College and to tap into their amazing talent and potential to support students and faculty. We encourage alumni to join at WursterLife.com.

We extend our deepest gratitude to those who have given their time, talent, and resources to support CED this past year.
The College of Environmental Design thanks everyone who supported the College with their time and resources in the 2017–18 fiscal year. Membership in the College’s Wurster Society recognizes gifts of $1,000 and above made within the fiscal year (7/1/17 to 6/30/18). Your gifts over the past year have provided tremendous support to meet critical needs and further ensure the stability and progress of CED.

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