PLANNING AS STRATEGY IN A PERIOD OF INSTITUTIONAL UNCERTAINTY

Three years ago, the College of Environmental Design coalesced around a strategic plan, CED Frontiers. Associated with 6 initiatives designed to implement the goals of the plan, we have made important strides toward reaching these goals. For example, we have launched an annual small grants program to support co-curricular opportunities focused on diversity, and our first studio floor renovation will be complete soon thanks to the remarkable generosity of key alumni. Although much remains to be done (there are 6 more studio floors to go!), CED Frontiers has been an important guide for the college during a time of administrative and financial uncertainty on the UC Berkeley campus.

This might seem counter-intuitive: how can you possibly plan if your environment is characterized by unanticipated change?

As a planning scholar studying the voluntary sector during the 1980s and 1990s, a period of rapid welfare state restructuring and devolution, I knew from my own research that organizations that planned despite an uncertain environment, were more prepared to contend with, and respond productively to, change.

“Strategic planning has helped keep CED moving forward — in excellence, innovation, and access — during decidedly challenging times.”
Among many of the organizations I studied, planning was a critical strategy for change management.

The same has been true for CED. Although along the way we have taken advantage of opportunities and dealt with emergent problems not envisaged in CED Frontiers, we have been united around our goals and focused on the plan’s key initiatives. This has helped keep the college moving forward — in excellence, innovation, and access — during decidedly challenging times.

Indeed, as our 2016 College of Environmental Design Annual Report details in the following pages, the past year was marked by extraordinary accomplishments, as well as exciting news, events, and activities. Our community — students, staff, faculty, alumni, and friends — is strong and dedicated to the welfare and future of the college, and understands that moving down the path of excellence and access is a collective effort. Our strategic plan helps chart that path, navigate periods of rapid change, uncertainty and anxiety, and keep our eyes on what really matters: outstanding teaching, research, professional and community service; innovative curriculum, programs, and opportunities; and a welcoming, well-designed, and enabling learning environment.

Fiat Lux!

Jennifer Wolch
William W. Wurster Dean
Professor of City & Regional Planning
CED COMMUNITY

The College of Environmental Design is home to a vibrant, creative, and diverse community of faculty, students, staff, and alumni committed to upholding the college’s mission of addressing the world’s most pressing urban challenges. The principals of sustainability, innovation, social and environmental justice, local-global engagement and activism, and respect for place, community and diversity provide the foundation for the pedagogy, research, and interdisciplinary collaboration that sets CED apart as a world-class design institution.

The challenges of rapidly evolving urban environments, economic inequality, and environmental degradation demand that CED actively prepare students to create next-generation design solutions. To that end, CED continues to grow and evolve, adding new faculty, expanding its innovative body of research and improving curriculum. CED’s committed alumni provided a backbone of support through their mentorship and engagement. This year’s Circus Soirée event was the highest attended and most successful to date.

CED’s exceptional status — Architecture was ranked third in the world for 2016 — and numerous faculty and student awards are a testament to the success of these endeavors. The following sections provide an overview of the activities and accomplishments of the CED community.

Faculty, Alumni and students meet up after the 2016 Circus to discuss the day’s events.
CED was pleased to welcome three new faculty members. Assistant Professor of Architecture Neyran Turan is a founding partner at NEMESTUDIO whose current research focuses on questions of representation, matter, and resources in relation to climate change. Professor Daniel Rodriguez joined the Department of City & Regional Planning and Assistant Professor Danika Farida Cooper is the newest member of the Department of Landscape Architecture and Environmental Planning.

In recognition of their outstanding contributions, two faculty members received promotions. Malo Hutson, Assistant Professor of City & Regional Planning, was promoted to Associate Professor; and Andrew Shanken was promoted to Professor of Architecture.

Professor Teresa Caldeira was appointed co-director of the Global Metropolitan Studies initiative. Three additional City & Regional Planning faculty received new appointments: Professor Nezar AlSayyad established and was appointed faculty director of the new Center for Arab Societies & Environments Studies (CASES), Associate Professor Jason Corburn was appointed Director of the Institute of Urban and Regional Development (IURD), and Assistant Professor Malo Hutson was appointed Associate Director of IURD.

The Department of Architecture hosted three distinguished visiting faculty this year: Mitchell Squire, Associate Professor of Architecture at Iowa State University, and Mark Smout & Laura Allen, Senior Lecturers at the Bartlett School of Architecture, University College London. DCRP welcomed Lee Distinguished Visiting Professors Fred Blackwell, CEO of The San Francisco Foundation, and Heather McCulloch, founder of Asset Building Strategies.

The University recognized a number of CED faculty with prestigious campus honors for their contributions in research, design, and pedagogy. These included the UC Berkeley Chancellor’s Award for Public Service in the area of Community Engaged Teaching to Associate Professor of City & Regional Planning Jason Corburn; a Hellman
Fellowship to Assistant Professor of Architecture Andrew Atwood to support his research proposal, *In My Our Backyard: New Tools and Strategies for ADU Design, Development and Construction*; the Faculty Award for Outstanding Mentorship of GSIs to Professor of Architecture Gail Brager; and a UC Berkeley IIS Interdisciplinary Faculty Program grant to Assistant Professor of Architecture Simon Schleicher.

Lastly, CED added two distinguished professors to its list of emeriti — Professor of Landscape Architecture and Environmental Planning Linda Jewell, and, after 36 years of service to CED, Professor of City & Regional Planning and Carmel P. Friesen Chair in Urban Studies Robert Cervero. Professor Cervero — who served as chair of the Department of City & Regional Planning during 2015–16 — was Director of the University of California Transportation Center (UCTC), first-ever recipient of the Dale Prize for Excellence in Urban Planning Research, ranked among the top 100 City Innovators Worldwide by UMB’s Futures Cities in 2013, and was one of the most widely cited city planning faculty in the nation in 2016.
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<th>HIGHLIGHTED FACULTY AWARDS</th>
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<td>FINALIST, 2016 MOMA PS1 YOUNG ARCHITECTS PROGRAM</td>
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<td>BEST OF 2015 YOUNG ARCHITECTS BY ARCHITECT’S NEWSPAPER</td>
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<td>First Office, led by Assistant Professor Andrew Atwood and Sci-ARC professor Anna Neimark, was selected for these honors.</td>
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RESEARCH

THE INSTITUTE FOR URBAN AND REGIONAL DEVELOPMENT (IURD)

Under the direction of IURD Director Jason Corburn and Associate Director Malo Hutson, IURD critically investigates and helps improve processes and outcomes that shape urban equity around the world through collaborative, interdisciplinary research and practice. IURD is the home to affiliate research centers including the Center for Cities and Schools (CC+S), the Center for Global Healthy Cities (CGHC), the Urban Analytics Lab, and the Global Urban Humanities Initiative.

This past year, IURD sponsored extensive research locally and around the world, from urban sustainability, to health equity and transportation. In the area of urban climate change, IURD researchers are mapping exposures to short lived climate pollutants in African cities and investigating how data on flooding, drought, and heat island vulnerability can direct Green Climate Fund distributions to slum communities in cities of the global south. In Nairobi, Kenya, IURD researchers are working in...
partnership with NGOs and the University of Nairobi to investigate informal settlement upgrading strategies in the Mukuru slum. In Chile, IURD researchers are identifying ways to rebuild impoverished communities with sustainable and healthy housing.

Locally, IURD researchers are exploring how food insecurity can be incorporated into the State of California's definition of vulnerable communities through climate change legislation. In partnership with Oakland Unified School District and the Center for Eco-Literacy, the “Rethinking School Lunch Oakland (RSLO)” project seeks to inform school lunch polices nationwide. In Berkeley, IURD is collaborating with Spiral Gardens to link local economic development and food security.

IURD also continues to work with the City of Richmond, California, in implementing the nation’s first municipal Health in All Policies (HiAP) ordinance aimed at integrating health equity into all municipal decision-making. This year, IURD also launched the Urban Equity Community Fellows (UECF) Program, with the goal to build a movement of activist scholars working for urban equity in the Bay Area, nationally and around the world.

CC+S continued its work to position high-quality education as essential to creating equitable, healthy and sustainable cities through the Y-PLAN (Youth-Plan, Learn, Act, Now!), and PLUS (Planning and Learning United for Systems-Change) Leadership Initiative, and its policy research. This year Y-PLAN successfully expanded to ten U.S. cities and globally in China and Japan working in partnership with local civic leaders and educators and national foundations. The California Endowment and the Kellogg Foundation are also supporting CC+S’s national research on Healthy Planning and Policies for Healthy School Environments. CC+S Deputy Director, Jeff Vincent, won the 2016 Chancellor’s Award for Research in the Public Interest.
The Center for Global Healthy Cities participated in the 2015 Paris Climate Change Conference (COP21), organized a workshop for the International Conference on Urban Health on Healthy Cities, and completed research for the World Health Organization on informal settlements and health equity. The Center also hosted Dr. Gerard Salem, from the University of Paris, who completed research on urban health and geography in Europe, Africa and the Americas.

The Urban Analytics Lab is currently engaged in an ongoing NSF-funded project linking 3D urban modeling from computer graphics with graphical modeling from statistics, to improve our capacity to simulate and visualize how cities and metropolitan regions evolve, and how to intervene to make them more sustainable.

The Global Urban Humanities Initiative received $1.5 million in renewed funding from the Mellon Foundation to continue interdisciplinary studies on cities and urban life. Co-led by principal investigators Jennifer Wolch and Anthony Cascardi (Dean of Arts & Humanities) and supported by Project Director Susan Moffat (MCP ’07), the initiative integrates environmental design pedagogy and the humanities disciplines through academic programming.
CENTER FOR ENVIRONMENTAL DESIGN RESEARCH (CEDR)

CEDR is led by Director Ed Arens and Associate Director Gail Brager. Subsidiary centers include the Center for the Built Environment (CBE), the Center for Resource Efficient Communities (CREC), and the International Association for the Study of Traditional Environments (IASTE).

CBE has ongoing collaborations with close to 40 industry partners and has welcomed new staff and post-doctoral researchers to its diverse team. The center currently has a team of approximately 30 people, including faculty, research specialists, visiting scholars, post-docs, and graduate student researchers. CBE also collaborates with numerous UC academic departments and research centers.

In the past year, the center announced several important awards and events. The Livable Analytics team won a “demo-day” competition hosted by the U.S. Department of Energy, gaining $50,000 in initial rounds and competing in a final incubation round. The funding will be used to expand the impact and content of CBE’s occupant survey tool.

The CBE-developed heated/cooled chair — now being sold as the “Hyperchair” — was cited as a Building Green Top 10 Product for 2016, received accolades in major publications, and was demoed by the U.S. Secretary of Energy during the ARPA-E Summit. In April 2016, CBE also received a grant from Infosys Limited in India to study the relationship between features of the workplace and worker satisfaction and productivity.

CREC completed its multi-year contract with the California Energy Commission to develop a pilot rating system for pedestrian environments, a white paper on legal and regulatory issues in sustainable street design, and an assessment of the initial round of Sustainable Communities Strategies created under California’s Senate Bill 375 to reduce greenhouse gas (GHG) emissions from regional transportation networks.

Continuing its involvement in a National Science Foundation Engineering Research Center (ERC) called Re-inventing the Nation’s Urban Water Infrastructure (ReNUWIt), CREC conducted research in stormwater management and initiated a major new multi-year research contract with the California Air Resources Board (ARB) to provide research support to
ARB’s Greenhouse Gas Reduction Fund. CREC is also beginning a major new study of the feasibility of zero-carbon buildings in California.

IASTE continues to foster an interdisciplinary approach to the study of traditional environments. In fall 2015, IASTE was awarded a $1 million grant from the Kuwait Foundation for the Advancement of Sciences (KFAS) to establish the Center for Arab Societies and Environments Studies (CASES) to house a pilot academic program of research related to the Arab world, particularly in the area of the built and natural environment and its social and cultural dimensions.

IASTE/CASES organized a successful first event in Kuwait, the Teaching Excellence Workshop; published issues 53 and 54 of its biannual, refereed journal, *Traditional Dwellings and Settlements Review*; and has scheduled the 15th biennial IASTE conference on the theme “Legitimating Tradition” taking place in Kuwait City in December 2016.
The Terner Center for Housing Innovation formulates bold strategies to house families from all walks of life in vibrant, sustainable, and affordable homes and communities. The Center currently has over fifteen active projects, each of which seeks to identify and frame housing issues; introduce and advance innovations in policy, market tools, and finance; and/or assess the impact of housing policies and programs. The Center undertakes projects at every geographic scale, homing in on local policies and innovations that may be prime for broader application, and conducting national analyses that have implications for local jurisdictions. Over this first year, the Terner Center has raised approximately $2.7 million dollars in operating support and research grants from nearly 30 individuals and institutions.
HIGHLIGHTED FACULTY RESEARCH AND CREATIVE ACCOMPLISHMENTS

MICHEL BIERLAIRE, ANDRE DE PALMA, RICARDO HURTUBA AND PAUL WADDELL
INTEGRATED TRANSPORT AND LAND USE MODELING FOR SUSTAINABLE CITIES

This new edited book describes the implementation of an improved, UrbanSim-based platform for three European cities (Routledge and EPFL Press)

RAVEEVARN CHOKSOMBATCHAI
GRACE STREET RESIDENCE

Veev Design, founded by Professor Choksombatchai, received a 2016 AIA Design Merit Award from AIASF.

JASON CORBURN
HEALTHY CITIES: CRITICAL CONCEPTS IN THE BUILT ENVIRONMENT

Edited by Jason Corburn, this four-volume collection reconnects the fields of planning and public health to address urban health challenges. [Routledge]

GALEN CRANZ
ETHNOGRAPHY FOR DESIGNERS

New book teaches architects and designers how to listen actively to the knowledge people have about their own culture. [Routledge]

WALTER HOOD
COOPER HEWITT GARDEN

Hood’s team used landscape architect Richard Schermerhorn Jr.’s original 1901 drawings as inspiration to integrate the garden into the museum.

MALO HUTSON
THE URBAN STRUGGLE FOR ECONOMIC, ENVIRONMENTAL, AND SOCIAL JUSTICE: DEEPENING THEIR ROOTS

New book looks at how low-income urban communities are deploying new strategies that build off of past struggles over urban renewal. [Routledge]

LISA IWAMOTO
BLOOMBERG TECH HUB

Iwamoto Scott was selected by AIASF to receive a 2016 AIA Design Honor Award for the interior design of the Bloomberg Tech Hub.

KAREN TRAPENBERG FRICK
REMAKE THE SAN FRANCISCO-OAKLAND BAY BRIDGE: A CASE OF SHADOWBOXING WITH NATURE

Frick’s book examines the complex political process behind the rebuilding of the Bay Bridge. [Routledge]
Students are the vibrant heart and soul that help define the culture of CED. Their active engagement and leadership of numerous student- and college-sponsored activities, initiatives, and organizations contribute to a dynamic and supportive college community. Student groups, including Alpha Rho Chi, the ASLA Students, AIA Students, Berkeley Urban Studies Student Association (BUSSA), Chicano/Latinx Architecture Student Association (CASA), CED Students of Color (CEDSOC), and Global Architecture Brigades, produced a number of professional development events and organized gatherings that formed the center of social life at the college. Highlighted events include ASLA@Berkeley’s Professional Speaker Series, BUSSA Professional Development Workshop Series, and the popular bi-weekly graduate student happy hour.

Attesting to their talents and dedication, students from all departments at the college were the recipients of prestigious accolades in research and practice. A team of six from the Interdisciplinary Graduate Certificate in Real Estate Program, led by Professor Carol Galante and Adjunct Professor Michael Smith-Heimer tied for first place in the Bank of America/Merrill Lynch Housing Challenge. LAEP PhD student Sophie Taddeo received a 2-year Delta Science/California Sea Grant to support

UNDERGRADUATE EXTRACURRICULAR ACTIVITIES

SENIOR EXIT SURVEY RESULTS, 2012–2016

- Participated in a student group
- Completed an internship while at CED
- Participated in volunteer work or community service
- Studied abroad while a student at Cal

RESPONSE RATES VARY. 159 RESPONSES FOR 2016
her research on ecological restoration in California’s Sacramento-San Joaquin Delta. The Nest We Grow Student team, with supervision from Professors Dana Buntrock and Mark Anderson, continued to win awards including the Vectorworks Design Scholarship and a 2016 Wood Design Award. A ten-person, trans-disciplinary team placed 2nd in the Environmental Protection Agency’s Campus Rainworks Challenge for their proposal addressing a problematic flooding site on Strawberry Creek’s North Fork.

CED’s award-winning annual student publications continue to highlight the rich diversity and rigor of the university’s intellectual community. In May 2016, LAEP students launched GROUND UP Issue 05 (Delineations) and Architecture students published Room One Thousand Issue 04 (Architectural Expertise). Using a grant from the Global Urban Humanities Initiative, students created P[art]icipatory Urbanisms, an interactive online platform featuring twenty participatory urban groups in the cities of Sao Paulo and New Delhi.

**RECENT CED STUDENT PUBLICATIONS**

GROUND UP
**ISSUE 05: DELINEATIONS, 2016**
This issue sheds light on how we alter space through the drawing of lines.

ROOM ONE THOUSAND
**ISSUE 4: ARCHITECTURAL EXPERTISE**
An eclectic journal that aspires to gather a community around discourses of architecture.
To stay ahead of contemporary urban challenges and maintain the highest standards in environmental design learning, CED continues to add new programs and unique partnerships to enhance the educational experience.

Providing a testament to the college’s success in this area, the subject area of Architecture/Built Environment moved from #4 to #3 in QS World University Rankings. CED’s Master of Architecture was the top public university program in the DesignIntelligence ranking; and the Master of City Planning program was ranked as #2 nationwide by Planetizen.

Funding and collaborative support for courses offered students the opportunity to improve local sites. Five Master of Landscape Architecture students in the Water Savvy Garden Design Class (LA 254:3), taught by Dawn Kooyumjian, received a mini-grant from the Green Initiative Fund to design a major adaptive restoration and research-based installation at Blake Garden. In collaboration with the City of Berkeley, students enrolled in a multidisciplinary seminar (Arch 109/209), led by Professor René Davids, designed and built a pedestrian bridge for the upper portion of Blackberry Creek in John Hinkel Park.

A recent generous gift from CED alumnus James R. Boyce (M. Arch. ’67) supported the inaugural interdisciplinary Boyce Affordable Housing Competition Studio (ARCH 100C/CP238) which engaged students from across CED (as well as Law and Public Policy) to consider all aspects of development and design for a comprehensive affordable housing project to be sited in Richmond. Co-taught by Carol Galante (City & Regional Planning) and Chris Calott (Architecture), students worked in small teams. Projects were juried by seasoned professionals at the end of the semester.

This year’s Theodore B. and Doris Shoong Lee Distinguished Visiting of Real Estate Law and Urban Planning, Professors Fred Blackwell (M.C.P. ’96) and Heather McCulloch, led a new City Planning seminar (CP 290D) “Tackling Inequality through Equitable Development: Perspectives on Place, Race, and Class in the San Francisco Bay Area” which examined the causes and effects of inequality, with a focus on who benefits from economic development decisions.
Studio courses that expanded the student experience through travel included Revitalizing Nankou [ARCH 202], taught by Renee Chow, with a spring trip to Beijing focused on using alternative urban strategies to sustain connective urban fabrics; and the Dessau Studio (ARCH 202), led by Greg Castillo and René Davids, which gave students the opportunity to study the future site of the Bauhaus Museum in Dessau, Germany. Students in the Nagasaki Workshop, led by Linda Jewell, created conceptual proposals for design improvements for The Peace Park Memorial and Battleship Island with students and faculty at Nagasaki University. Lastly, as part of the Spring Environmental Planning Studio (LA205) led by John Radke and Matt Kondolf, students explored ecological and cultural planning on the Colorado River Tribal Reservation near Ehrenberg, Arizona.
CED continues to host one of the most diverse student and faculty communities on campus, consistently exceeding campus-wide averages. The college has a high percentage of first generation and transfer students compared to other schools on campus, and international student enrollment continues to rise year-over-year.

In an effort to introduce a practice of environmental design that respects difference and confronts injustice and inequity in the design of built environments, a number of activities were organized this year under the guidance of the CED Frontiers Strategic Plan Initiative, Diversity Platforms.

The CED Diversity Platforms Committee announced the first annual awards to fund critical and creative projects exploring the role of cultural difference, identity, and power relations in environmental design education, research, and creative practice. These initiatives — open to all faculty, staff and students — add an exciting new roster of events and academic activities to the collective life of CED. The proposals that were

**STUDENT DIVERSITY**

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<tr>
<td><strong>UNDERGRADUATE</strong></td>
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<tr>
<td>International Students</td>
<td>13%</td>
<td>22%</td>
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<tr>
<td>Female Students</td>
<td>52%</td>
<td>61%</td>
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<td>Underrepresented Minorities</td>
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<tr>
<td>Transfer Students</td>
<td>20%</td>
<td>18%</td>
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<tr>
<td><strong>GRADUATE</strong></td>
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<tr>
<td>International Students</td>
<td>22%</td>
<td>24%</td>
</tr>
<tr>
<td>Female Students</td>
<td>46%</td>
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<tr>
<td>Underrepresented Minorities</td>
<td>11%</td>
<td>12%</td>
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<tr>
<td>Transfer Students</td>
<td>11%</td>
<td>16%</td>
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Campus- and college-wide demographic trends show that CED maintains a larger share of female, underrepresented minority, and international students than campus as a whole.
awarded include: Critical Non-Compliance Seminar, Critical Pedagogy Workshop, Going South Reading Group, Mural Restoration, Pop-Up Cinema, Queering the City, Spatializing Sovereignty Symposium, and Wurster Hall Bathroom Installation & Symposium.

During CED’s college-wide fall orientation, CED Start Up, over 200 incoming graduate and undergraduate students participated in a new workshop, “Building an Inclusive CED Community” designed to allow students to reflect on their personal identities and experiences while gaining opportunities to engage with students across disciplines.

CED faculty participated in a series of dialogues on creating inclusive classrooms during the spring 2016 semester. Facilitated by the UC Berkeley Division of Equity and Inclusion, the dialogues sought to help university departments and colleges create classroom environments that are fully welcoming and responsive to students with diverse backgrounds, needs and identities.

**FACULTY DIVERSITY**

**CAMPUS V. CED LADDER-RANK FACULTY DIVERSITY, AY15–AY16**

(SOURCE: CAL ANSWERS)

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<td>42%</td>
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<tr>
<th></th>
<th>CED Headcount: 57</th>
<th>Campus Headcount: 1,521</th>
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<tr>
<td>2014–15</td>
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<td></td>
<td>42%</td>
<td>31%</td>
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Campus-wide, proportions of underrepresented minorities and females on the faculty have remained stable, varying by 1% over the course of 6 years. Over the same period of time, the proportion of female faculty members at CED increased by 5%, while the percentage of underrepresented minorities increased by 3.5%.
Each year, CED hosts a variety of special events and communications to engage and inform its community about current alumni, student and faculty activities. CED hosted events included alumni receptions at the American Society of Landscape Architects (ASLA) national meeting in Chicago and the American Planning Association California Chapter conference in Oakland. In the spring semester, the Department of Landscape Architecture and Planning celebrated its graduate student class of 2016 by hosting a student-alumni mixer at the David Brower Center. Events like this provide alumni with an opportunity to network with aspiring professionals.

In March, 120 students presented their work to 90 Distinguished Visiting Fellows during the highly successful sixth annual Berkeley Circus. Visiting Fellows, including accomplished professionals and academics within the fields of environmental design, learned about the latest student research and design at CED and honored outstanding projects at a recognition ceremony at the conclusion of presentations followed by a lively reception in Wurster Hall.

On the Saturday following the Berkeley Circus, CED hosted its most successful Circus Soirée to date at the California Memorial Stadium, with a record attendance of 252 alumni, students, faculty, and friends of CED. Karen Alschuler, FAICP, LEED AP (M.C.P. ’69), Kim Wilkie (MLA ’84), and Scott Johnson, FAIA (B.A. Arch ’72) were honored as recipients of the

Berkeley Circus Soiree at the Cal Memorial Stadium Field Club.
2016 Distinguished Alumni Award in recognition of their outstanding professional achievement. Jon Stryker (M.Arch. ’89) was presented with the inaugural Catherine Bauer Wurster Award for Social Practice.

External Relations produced 14 issues of CEDeNews, sent bi-weekly to 12,000 alumni and friends, and two issues of the alumni publication FRAMEWORKS. CED continues its social media presence with @wursterlife on Instagram and CED Connects, a LinkedIn group designed to connect current students with alumni and broaden their network of contacts in the professional community.

CED ALUMNI EVENTS

DCRP ALUMNI MIXER AT APA CALIFORNIA CHAPTER CONFERENCE
10.02.15 | OAKLAND, CA

LAEP ALUMNI RECEPTION AT 2015 ASLA MEETING AND EXPO
11.07.15 | CHICAGO, IL
Hosted by Louise Mozingo, Professor and Chair of Landscape Architecture and Environmental Planning and CED Dean, Jennifer Wolch.

SOCIETY OF ARCHITECTURAL HISTORIANS ALUMNI RECEPTION
04.08.16 | PASADENA, CA

LAEP ALUMNI-GRADUATING STUDENTS RECEPTION
04.20.16 | DAVID BROWER CENTER

CASA ALUMNI AWARDS
04.22.16 | WURSTER HALL
With guest speaker Isabel Castilla, senior designer at Field Operations, lead designer and project manager for Section 3 of the High Line in New York City.

CASA ALUMNI REUNION
06.11.16 | WURSTER HALL
A gathering of original founding members of CASA (Chicano/Chicana Architectural Students Association.).
SERVICES & RESOURCES

To support CED and maintain the college’s position as a leader in design education and research, the need to provide leading-edge resources, equipment, and technology is more critical than ever. The college completed a number of initiatives to modernize and enhance its facilities and infrastructure, such as the Fabrication Shop, Digital Lab, and studios. Improvements included the addition of essential new digital equipment including a new 3D plastic printer array, and IT upgrades.

The CED Materials Store grew significantly in popularity establishing its place as a more convenient and affordable option for essential studio supplies, while the Archives, Visual Resource Center, and Environmental Design Library.

Galen Cranz presents in the Environmental Design Library.
Design Library have responded to CED community needs with significant additions to their collections, improved access, and additional events.

To ensure the success of students as they enter and make their way through academic life at CED and plan for their future, the college continues to provide tailored outreach, counseling support, academic and career guidance, and opportunities for engagement through CED’s Career Services office, department-specific advisors, and the Office of Undergraduate Advising.
The Environmental Design Archives (EDA) is committed to raising awareness of the significant architectural and landscape heritage of Northern California and beyond through collecting, preserving, and providing access to the primary records of the built environment of the region and landscaped environment of the world. Through a generous gift from architect Alice Ross Carey, the Archives has established the Environmental Design Archives Research Fellowship Endowment to provide grants to support short-term, on-site research using collections at the Environmental Design Archives.

Recent records acquisitions from landscape architects Ron Herman and Tito Patri, and architects Clarke & Buettler, Jim Jennings, Daniel Liebermann, Joseph Allen Stein, and John Hudson Thomas, and significant additions to the existing collections of Robert Marquis, Joseph Esherick/EHDD, Donald Olsen, Henrik Bull, and Henry Hill will greatly enhance EDA’s collection.

EDA’s collections were also included in a number of recent media productions, publications and exhibitions. The Morrow Collection was featured in a documentary on the Golden Gate Bridge as part of an Icons of America series, John Galen Howard’s plan for UC Berkeley’s campus was published in the second edition of University Planning and Architecture: The

ARCHIVES

REFERENCE/OUTREACH
More than 300 students came to use the archives as part of courses for instruction sessions, individually for term papers, and independently for inspiration.

OBJECTS LOANED
24 physical objects were loaned for exhibitions and 12 digital objects were loaned to five institutions for exhibitions in the US and UK.

PUBLICATIONS FEATURING EDA COLLECTIONS
8 books, 14 journal articles, 2 video documentaries, 2 historic surveys, 5 dissertations, 1 video art piece, 4 interpretive displays, and 1 Japanese TV show
**Search for Perfection**, and a model of the UC Berkeley Art Museum from the Toyo Ito Collection is currently on display at New York MoMA as part of an exhibition entitled *A Japanese Constellation: Toyo Ito, SANAA and Beyond*.

In 2015–16 the Visual Resource Center (VRC) managed the production of more than 4000 new high-quality digital images for use in teaching, research, exhibition, and publication. VRC Director Jason Miller taught eight classes on finding and using digital images, as well as in-class sessions on image searching and ARTstor database use, and responded to 360 reference requests. New slide collections were acquired from Emeritus Professor Donald Olson as well as local firms Esherick, Homsey, Dodge & Davis (EHDD) and Simon Martin-Vegue Winkelstein Moris (SMWM).

Tito Patri (BS UCB 1955).
Borgo del San Bartolomeo, Cecanibbi, Todi, Perugia Italy, 2005.
Tito Patri Collection, Environmental Design Archives.
The Environmental Design Library continues to enhance its role as a center of discovery and an essential resource hub for CED students, faculty, and community. Librarian David Eifler along with staff members Brian Light, Dori Hsiao and Molly Rose have grown the collection, improved access through expanded hours, and added new events. The Environmental Design Library remains the highest circulating subject specialty library at UC Berkeley.

The library added 2,700 new monographs and received 1750 gifts in the areas of architecture, landscape architecture, and urban planning, while also building the collection in the emerging areas of urban sustainability, African architecture and planning, and 3D fabrication. The library has continued to acquire new electronic databases for architecture, landscape, and planning increasing the number of books, articles, and video available digitally or online.

This year the library inaugurated its Author Book Talk series featuring seven talks by faculty authors, attracting 275 participants to the library’s intimate atrium setting. Additional library events included workshops on visual notetaking and bookbinding, four Friday afternoon “Hands On Artist Book” events, and 57 librarian instruction classes and workshops to over 1600 students.

In addition to the Library’s 5,000-volume rare and artists book collection.

Reference questions in-person, by phone, or by email.
CED’s Career Services office, led by Maria Dawson, provides services to CED students through direct counseling, accessible resources, tailored workshops, and special events. The career office offered 15 career development workshops covering topics such as resume and cover letter writing, portfolio development, and job and internship search. The 2016 CED Career Fair, which offers CED students seeking employment an important opportunity to meet directly with participating firms and professionals, enjoyed a 48% increase in attendance over last year.

<table>
<thead>
<tr>
<th>CAREER FAIR ATTENDEES</th>
<th>WORKSHOPS</th>
<th>STUDENT COUNSELED</th>
</tr>
</thead>
<tbody>
<tr>
<td>323</td>
<td>15+</td>
<td>261</td>
</tr>
</tbody>
</table>

For 38 small-through large-scale planning and design firms

From appoints/drop-ins at Wurster Hall.

This year saw the launch of a new career services section on the CED website. Developed with the support of UC Berkeley’s Career Center, career information for Architecture, Landscape Architecture, City & Regional Planning, and Sustainable Environmental Design, as well as links to the university’s online recruiting platform, Handshake, are now consolidated in an easy to use format to aid students in their search for jobs and internships. The CED Connects mentorship program, launched in 2015, grew substantially in usage. This LinkedIn group networking resource, that connects CED students with alumni who can provide advice, information, and support, has now become a hub for internship announcements.

In partnership with Counseling and Psychological Services at the University Health Services (UHS) Tang Center, the CED Wellness Office in Wurster Hall continues to provide free and confidential consultations for CED students related to personal, professional, and academic concerns as well as professional consultation for CED faculty and staff to support student mental health issues.
Infrastructure and Information Technology (ITT) undertook a number of initiatives this year to improve facilities, capabilities, and access. Year-over-year increases in usership of the Fabrication Shop and Digital Fabrication Lab have necessitated renovations and equipment expansion. The Fabrication Shop completed a build out of the Shop Yard, Paint Booth, and Visual Resource photo lab, in addition to office and furniture repairs and renovations. In the Digital Lab, 3D plastic printing access was expanded with the addition of a new 3D printer array, the development of an online print queue system to manage expanded production, and an upgrade to all 3D plastic printers.

AV capabilities were enhanced with the addition of a new laser projector and adjusted lighting in the Auditorium, as well as in other classrooms at Wurster. Thanks to a Student Technology Grant, Lab computers received new video cards and the Computer Labs acquired new laser printers. Additional studio equipment upgrades included computer renewals, new printers, and industrial paper cutters. Secure backup and recovery processes, and better studio access were also completed.

The CED Materials Store has proven to be a great asset to CED students by providing in-demand materials at a reasonable cost within the walls of Wurster. Store sales doubled over the previous year and funds to CED’s Technology Access Program (TAP) increased by over 50%.

### MATERIALS STORE

<table>
<thead>
<tr>
<th>TOTAL TRANSACTIONS</th>
<th>TOTAL ITEMS SOLD</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="chart1.png" alt="Bar Chart" /></td>
<td><img src="chart2.png" alt="Bar Chart" /></td>
</tr>
</tbody>
</table>

- **2014–15**
  - Transactions: 2244
  - Items Sold: 2053

- **2015–16**
  - Transactions: 5360
  - Items Sold: 5278

- **2016–17**
  - Transactions: 6000
  - Items Sold: 5000

- **2017–18**
  - Transactions: 4000
  - Items Sold: 3000

- **2018–19**
  - Transactions: 2000
  - Items Sold: 1000

- **2019–20**
  - Transactions: 1000
  - Items Sold: 0
Because CED has one of the highest percentages of low-income students in the university, coupled with the high materials costs of its programs, TAP is an important resource to alleviate some of the financial burdens that students face. Through an application process co-designed by the CED Office of Undergraduate Advising (OUA), IIT, and Educational Opportunity Program (EOP) staff, students are able to apply for $100 grants to offset Lab and Shop access fees, or printing costs.

**HEADCOUNT OF USERS**

UNDERGRADUATE AND GRADUATE USERS BY SIGN-UP

<table>
<thead>
<tr>
<th>Year</th>
<th>Undergraduate Users</th>
<th>Graduate Students</th>
<th>Total Users</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013–14</td>
<td>479</td>
<td>239</td>
<td>718</td>
</tr>
<tr>
<td>2014–15</td>
<td>556</td>
<td>215</td>
<td>771</td>
</tr>
<tr>
<td>2015–16</td>
<td>633</td>
<td>222</td>
<td>855</td>
</tr>
</tbody>
</table>

**Demonstration in the Fabrication Shop.**
STUDENT SERVICES

The Office of Undergraduate Advising (OUA), under the leadership of Associate Dean Renee Chow and Director Susan Hagstrom, and department-specific Graduate Student Affairs Officers (GSAOs) serve CED students by providing academic advising and student services, including admissions administration, workshops, drop-in advising, and social hours.

The OUA offered a variety of enrichment and support services to a growing number of undergraduate students, with nearly 10,000 total student contacts this year, and a campus partners network of tailored services for 600 CED undergraduate students. CED student and Community Fellow Victoria Dam provided additional support, acting as a social ambassador for CED undergraduates, and OUA’s newest adviser, Rhommel Canare, initiated wellness and student leadership programming, as well as launching CED’s first Undergraduate Student Council which acts as a representative and advocate for the CED undergraduate student population to faculty and administration.

In recognition of their exceptional performance and innovation, grounded by their “strengths-based” advising model, the OUA team received a UC Berkeley Outstanding Advising Team award. In addition, Undergraduate Adviser, Outreach Coordinator, and Undergraduate Diversity Officer Omar Ramirez received the UC Berkeley 2015 Excellence in Advising Award for Outstanding Advisor and a National Academic Advising Association NACADA Region 9 Award for Excellence in Advising.

The OUA team conducted and participated in a total of 76 outreach and yield activities that reached over 2,500 students and counselors in support of undergraduate admissions. With a particular emphasis on under-represented communities, CED Admissions Ambassador Interns led outreach efforts including high school and community college visits, hosting prospective students on campus, student panels, phone banking, Cal Day, and developing multimedia tools. Transfer admission rates remained stable while admission of new freshmen continued to rise. Interest in CED’s new Sustainable Environmental Design major remained strong as the program enters its third year.

GSAOs collaborated closely with departmental chairs and faculty committees to encourage graduate program admissions, advise prospective students, and offer guidance to 453 students enrolled in CED’s masters and doctoral programs. While the rate of admissions remained steady across all doctoral programs, interest grew across all masters programs, resulting in 12% more applications in all.
Enrollment yield however, was somewhat lower than that of AY14.

Findings of note from the annual GSAO exit survey of graduating students in all graduate major programs indicated that 29% were career changers, 87% were employed while enrolled, and 68% planned to seek employment in the environmental design field. These findings will help direct the departments in improving services for graduate students.

Lastly, the CED Advising team was excited to participate in the development of the university’s Student Information System, Cal Central.

ADMISSIONS

GRADUATE DEGREE PROGRAMS
CLASSES ENTERING FALL 2012–FALL 2015

<table>
<thead>
<tr>
<th></th>
<th>AY12</th>
<th>AY13</th>
<th>AY14</th>
<th>AY15</th>
<th>AY16</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLICANTS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1600</td>
<td>400</td>
<td>0</td>
<td>100</td>
<td>200</td>
</tr>
<tr>
<td>ADMITTED</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Masters</td>
<td>128</td>
<td>82</td>
<td>68</td>
<td>242</td>
<td>1600</td>
</tr>
<tr>
<td>Doctoral</td>
<td>9</td>
<td>8</td>
<td>7</td>
<td>12</td>
<td>226</td>
</tr>
<tr>
<td>ENROLLED</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Masters</td>
<td>57</td>
<td>55</td>
<td>35</td>
<td>242</td>
<td>132</td>
</tr>
<tr>
<td>Doctoral</td>
<td>4</td>
<td>5</td>
<td>1</td>
<td>12</td>
<td>17</td>
</tr>
</tbody>
</table>

UNDERGRADUATE DEGREE PROGRAMS
CLASS ENTERING FALL 2015

<table>
<thead>
<tr>
<th></th>
<th>AY12</th>
<th>AY13</th>
<th>AY14</th>
<th>AY15</th>
<th>AY16</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLICANTS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>576</td>
<td>347</td>
<td>38</td>
<td>95</td>
<td>576</td>
</tr>
<tr>
<td>ADMITTED</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Freshmen</td>
<td>820</td>
<td>69</td>
<td>126</td>
<td>265</td>
<td>1280</td>
</tr>
<tr>
<td>Transfer</td>
<td>312</td>
<td>208</td>
<td>28</td>
<td>29</td>
<td>312</td>
</tr>
<tr>
<td>ENROLLED</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Freshmen</td>
<td>576</td>
<td>347</td>
<td>38</td>
<td>95</td>
<td>576</td>
</tr>
<tr>
<td>Transfer</td>
<td>312</td>
<td>208</td>
<td>28</td>
<td>29</td>
<td>312</td>
</tr>
</tbody>
</table>
Access to financial aid is especially critical for many undergraduate and graduate students pursuing an academic degree at CED. Among the undergraduate student body, over 40% of students are Pell Grant recipients whose average household incomes are extremely modest. And while 91% of Masters students are receiving aid, approximately half of the graduating class in 2015 relied on loans, averaging $63,141.

To help offset tuition and fees, the UC Berkeley campus provides significant gift aid to ensure accessibility for all students, regardless of their socioeconomic background or immigration status.

As a supplement to campus aid, as well as grants and loans offered by state and federal agencies, CED provides grants from Professional Degree Supplemental Tuition proceeds, teaching and research appointments.

### GRADUATE FINANCIAL AID

#### 2014–15 AVERAGE TOTAL AID*

<table>
<thead>
<tr>
<th>DOCTORAL STUDENTS</th>
<th>MANDATORY TUTION/FEES FOR CA RESIDENTS</th>
<th>AVERAGE GIFT AID TO DOCTORAL STUDENTS</th>
<th>AVERAGE TOTAL AID</th>
<th>43 CED DOCTORAL STUDENTS</th>
<th>96% OF CED DOCTORAL STUDENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>$30,389</td>
<td>$14,168</td>
<td>$30,216</td>
<td>$30,389</td>
<td>43 CED DOCTORAL STUDENTS</td>
<td>96% OF CED DOCTORAL STUDENTS</td>
</tr>
</tbody>
</table>

(Source: Cal Answers)

#### 2014–15 AVERAGE TOTAL AID*

<table>
<thead>
<tr>
<th>MASTERS STUDENTS</th>
<th>MANDATORY TUTION/FEES FOR CA RESIDENTS</th>
<th>AVERAGE GIFT AID TO MASTERS STUDENTS</th>
<th>AVERAGE TOTAL AID</th>
<th>279 MASTERS STUDENTS</th>
<th>86% OF CED MASTERS STUDENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>$25,334</td>
<td>$20,270</td>
<td>$16,736</td>
<td>$25,334</td>
<td>279 MASTERS STUDENTS</td>
<td>86% OF CED MASTERS STUDENTS</td>
</tr>
</tbody>
</table>

(Source: Cal Answers)

#### 2015–16 TEACHING/RESEARCH APPOINTMENTS

- 232 NOT APPOINTED
- 119 GRADUATE STUDENT INSTRUCTORS
- 11 READERS
- 35 RESEARCHERS

#### 2014–2015 AVERAGE FEDERAL DEBT

<table>
<thead>
<tr>
<th>MASTER DEGREE RECIPIENTS WITH LOANS</th>
<th>AVERAGE FEDERAL DEBT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master degree recipients with loans</td>
<td>$63,141</td>
</tr>
</tbody>
</table>

Although 52% of CED’s masters degree recipients graduated with no federal debt, 48% of the graduating masters class were burdened with loans ranging from less than $5k to more than $100k.
appointments for graduate students, and donor-supported student aid funds administered by the college. From donor-supported funds alone, CED was able to make over 200 awards amounting to $918,274 during the 2015–16 academic year.

All departments at the college are committed to lessening the financial burden of their students. In addition to private fund-raising endeavors, CED continues to focus on cost-saving measures to help reduce students’ educational and studio expenses — such as the Materials Store and the Technology Access Program which provides modest grants to low-income students for fabrication shop, digital fabrication lab, and computer lab access costs.

UNDERGRADUATE FINANCIAL AID

2014–15 AVERAGE TOTAL AID*
UNDERGRADUATES

$18,137

During the 2014–15 academic year, 409 CED undergraduate students, or 66% of CED’s undergraduate student body, were recipients of financial aid. The average gift aid for these students was $15,799. [Source: Cal Answers]

2014–15 CED PELL GRANT AVERAGE AWARD

$4,491

[Source: Cal Answers]

* Total aid includes gift aid, loans, and GSI appointments
The College of Environmental Design’s programs bring the best of what the college has to offer to the wider audience beyond the CED community. Non-degree summer programs, Cal Design Lab, and public lectures and exhibits invite students, professionals, academics, and the interested public to deepen their design engagement through research, learning, and discourse. CED public programs appeal to a wide audience, with participants ranging across diverse age groups.

The embARC Summer Design Academy, one of three summer programs offered by the college, exposed high school students to a panoply of environmental design experiences, from a design-build focused on enhancing natural habitats, to urban planning and architecture. Summer [IN]STITUTE post-baccalaureate student participants took part in

Students on a field trip at Blake Garden, Landscape Architecture’s teaching facility.
seminars and studios with leading practitioners, and college students were invited to envision the future of urban sustainability via Disc*2015.

CED public programs brought the public inside Wurster and enriched the academic experience of the CED community through exhibits showcasing new faculty and student work and the college’s exceptional archive collections, as well as provocative lectures by faculty and leading planning and design practitioners and thinkers.
CED offers several non-degree programs in architecture, landscape architecture and environmental planning, urban design, and sustainable city planning for career-transition students, high-school students, and advanced undergraduates.

The fourth iteration of the embARC Summer Design Academy, led by City & Regional Planning faculty Kim Suczynski-Smith, saw a dramatic 100% increase in enrollment. Thirty advanced high-school students from around the globe convened in Wurster Hall for a variety of programs. In collaboration with experienced staff and experts from the Golden Gate Audubon Society, the Design-Build portion of the program exposed students to the give-and-take of the client/designer relationship that is at the heart of the Design Build process. embARC students also participated in a Planning Workshop focused on the future of the rapidly growing South Bay community of Gilroy. A perennial favorite, the Architecture & Design Studio asked students to envision a pavilion and surrounding plaza for Berkeley’s Aquatic Park.

The 2015 Summer [IN]STITUTE, again helmed by Department of Architecture faculty Rudabeh Pakravan, welcomed more than 100 post-baccalaureate and career-transition participants to Wurster. Two client projects developed by students in the [IN]CITY cohort garnered official municipal attention: a provocative proposal for the I-980 freeway is currently making its way through the City of Oakland’s public hearing process, and a proposed streetscape may be included in Berkeley’s

**SUMMER PROGRAMS**

<table>
<thead>
<tr>
<th>TOTAL SUMMER PROGRAM PARTICIPANTS</th>
<th>JUNE-AUGUST 2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>177</td>
<td></td>
</tr>
<tr>
<td>embARC high school program</td>
<td></td>
</tr>
<tr>
<td>doubled in size to 30 students</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TOTAL INTERNATIONAL STUDENTS</th>
<th>FROM 20 COUNTRIES ACROSS ALL PROGRAMS</th>
</tr>
</thead>
<tbody>
<tr>
<td>42</td>
<td></td>
</tr>
</tbody>
</table>
updated Bicycle Plan slated for 2017. [IN]LAND participants generated site-specific interventions for Blake Garden, seeking to evince social and natural processes in the urban environment.

Disc*2015 (Design & Innovation for Sustainable Cities) challenged current college students from 25 different universities to tackle wicked problems using principles of design thinking. In its second cycle, and based on the theme “Rising Waters,” Department of Landscape Architecture faculty member and Gehl Studio project manager Ghigo DiTommaso led students on excursions along the San Francisco Bay coastline, meeting local designers, ecologists, scientists, historians, architects, and others for in situ talks on the past, present, and future of urban globalization.

Attracting approximately 175 unique users per week during the 2015/16 academic year, the Cal Design Lab continued its function as a locus of design thinking within the college and across the university, hosting groups such as the Fam 1st Family Foundation’s Architecture Camp, Project H’s Design/Build Workshop, Global Architecture Brigade, and Design Lab for Social Justice, as well as several regular academic courses.

A class assignment takes students outside to sketch in front of the Digital Fabrication Shop.
The 2015–16 CED Lecture Series featured 26 events where local and international academics, practitioners, and theorists engaged the public and CED community in enlightening discussion on topics ranging from urban racial and social equity, to humanism in architecture, and denatured landscapes. The Environmental Design Library launched its Author Book Talk series, featuring talks by seven CED faculty authors. Also, the Department of Landscape Architecture & Environmental Planning hosted DredgeFest California — an intensive design workshop with associated landscape tours open to students and the public exploring the present and near future of sedimentary infrastructure in the Bay-Delta.

EXHIBITION HIGHLIGHTS

EXCEPTIONAL EXPOSITIONS

09.08–12.16.15 | ENVIRONMENTAL DESIGN LIBRARY
Curated by Professor Andrew Shanken, EDA Curator Waverly Lowell, and Reference Archivist Chris Marino celebrating the centennial of the 1915 Panama Pacific International Exposition (PPIE) and Professor Shanken’s book, Into the Void Pacific.

ART+VILLAGE+CITY

10.13–11.14.15 | WURSTER GALLERY
Based on a Global Urban Humanities research studio and curated by Professors Margaret Crawford and Winnie Wong, the exhibition explored Two Cities, Four Villages, and the Uses of Art in the Pearl River Delta in Southern China.

OUT OF PLANE

11.02–11.25.15 | ARCHITECTURE GALLERY
Novel architectural forms and structures made possible through the creative exploration of bending and folding principles. Supported by: CARA, SOFiSTiK AG, UC Berkeley ARCH, University of Stuttgart ITKE.

SPACE OPEN

01.11–02.12.16 | WURSTER GALLERY
Made possible by LAEP, the Department of Theater, Dance, & Performance Studies, and a grant from Beatrix Farrand Fund, this exhibition captured a moment in time when the group Space Open is questioning just what is landscape architecture.

IT’S ALL NEW

01.19–02.24.16 | ENVIRONMENTAL DESIGN LIBRARY
Featured selections from recent acquisitions, new additions to existing collections, and material from older collections that are newly accessible in EDA. Curated by EDA’s staff designers.

TEACHING DESIGN WITH PEOPLE IN MIND

03.01–05.20.16 | ENVIRONMENTAL DESIGN LIBRARY
Curated by Professor Raymond Lifchez this exhibit celebrated the Social Factors program at the College of Environmental Design from the 1960s to 1990.
Wurster Hall hosted six exhibitions highlighting the work of the CED community and partners, and collections of the college comprised of new and previously inaccessible CED Archives acquisitions. Notable exhibits included a collaborative exhibition between ITKE at the University of Stuttgart and UC Berkeley’s Department of Architecture — Out of Plane: Designing Flexible Structures, and Space Open showcasing the never-before-exhibited artwork of a group who collaborate under the name Space Open.

LECTURE SERIES HIGHLIGHTS

KAREN CHAPPLE, MICHAEL DEAR, CHIP SULLIVAN, RENEE CHOW, MALO HUTSON, KAREN TRAPENBERG FRICK, GALEN CRANZ
AUTHOR BOOK TALK SERIES
09.15.15–04.19.16

BRANDON CLIFFORD
ARCH LECTURE SERIES
03.36.16

KOBI BONNER
2016 KEN SIMMONS COMMUNITY DESIGN LECTURE
02.03.16

PHILIP GOOLKASIAN
DESIGN FOR THE WORLD’S STAGE

DONGIL KIM
SELF FORMATION
2015 BRANNER FELLOWS LECTURE
02.17.16

BART BRANDS (KARRES+BRANDS)
paula meijerink (ohio state)
DENATURED LANDSCAPES
11.13.15

FRITS PALMBOOM (PALMBOUT URBAN LANDSCAPES)
DRAWING THE GROUND, LAYERING TIME
02.29.16

RENI EHRENFEUCHT
FOOD TRUCKS! FRUIT CARTS? PLANNING FOR AN EQUITABLE STREET VENDING ERA IN U.S. CITIES
12.03.15

CATHERINE ROSS
MARTIN WACHS LECTURE
A TRANSPORTATION AGENDA FOR THE GLOBAL ERA
03.17.16
In spite of increasing fiscal challenges, CED continues to move forward in its quest to provide robust resources and a fertile environment to support students and foster innovative research and learning. Initiatives under the umbrella of CED Frontiers are transforming Wurster Hall lab, studio, and community spaces; creating programs that reinforce our commitment to diversity; enhancing our curriculum; and revealing opportunities for exciting new sources of funding and collaborative partnerships.

The financial needs of the college are substantial, and development remains a key focus. CED’s reliance on the generosity of its community of donors has not abated and we continue to create new opportunities to build philanthropic support. In addition, the college is bolstering revenue through existing and new degree programs and ventures.

To ensure its financial sustainability, the college is being especially strategic in managing expenses and seeking ways to improve operational efficiencies. While support from campus funding continues to wane, CED has maintained its ability to advance its mission and retains its position as one of the world’s leading design institutions.
CED FRONTIERS

CED Frontiers is a living strategic plan that sets the course for the future of the college. Numerous activities within its six initiatives were implemented this year. More detailed updates can be found at ced.berkeley.edu/about-ced.

INITIATIVE 1 | RESEARCH IMPACT

A faculty research retreat highlighted new cross-campus collaboration opportunities for CED faculty. Berkeley’s new Vice Chancellor for Research, Paul Alivisatos, shared his perspective on the role of technology and the future of Berkeley-wide research, while CED faculty presented current research projects that pertain to ‘Smart Cities’. Professors Gail Brager, Louise Mozongo, and Jason Corburn presented new projects and research addressing critical urban issues, and Paul Waddell wrapped up the retreat by reporting on new visualization technologies that can shape the future of planning.

INITIATIVE 2 | DESIGN AND TECHNOLOGY LAB

Professors Ron Rael, Richard Hindle, Simon Schleicher and student research assistants established a collaborative fabrication research space in Wurster Hall — printFARM — housing a variety of 3-D printers. In addition, a collaborative effort by professors Paul Waddell, Nicholas de Monchaux, Iryna Dronova, Kyle Steinfeld, and student research assistants, the Data+Design Lab (D+DL) is focusing on advanced visualization, spatial analysis and representation, and other forms of data science-based research. Lastly, a preliminary proposal was developed for CED Make Tank, a collective of faculty-led research centers at the Berkeley Global Campus in Richmond.

INITIATIVE 3 | DIVERSITY PLATFORMS

In the 2015 academic year, CED initiated its first round of grant projects designed to support, highlight, and celebrate the diverse student body at CED and emphasize inclusivity in Wurster Hall. Thanks to philanthropic funders like the Arcus Foundation, CED awarded its first group of Diversity Platform grants to faculty, students, and staff. Winning projects included a mural in Wurster Hall that features the rich heritage of Chicanx/Latinx
students; an art installation that brings to light the issue of gender-neutral bathrooms; and a collaborative effort with the Restorative Justice Center to host a series of thought-provoking documentary films. A second round of grant funds will be awarded in the 2016-17 academic school year.

INITIATIVE 4 | CURRICULUM CROSSROADS

With the goal to build disciplinary bridges to enrich learning beyond students’ own department, the Undergraduate Curriculum Committee investigated options for incorporating multidisciplinary cross-college courses into the curriculum, concluding that a small number of potentially team-taught courses would be most effective — a proposal which will be developed in the coming academic year. At the graduate level, doctoral program directors and department chairs agreed in principle to mount cross-college courses in specific areas, such as research design, thus helping create a CED-wide doctoral student community and culture, and enabling faculty to offer more specialized courses.

INITIATIVE 5 | FLEX STUDIOS

This summer begins the first wave of construction to transform Wurster’s studios into high performance environments for creativity and learning. The 7th floor studio was redesigned to include concrete flooring; a central linear gallery; furniture that will better respond to student needs and work habits; smart lighting and shading systems; new plotter work stations; a spray room; and two critique rooms. Renovations should be completed by the start of the 2016-2017 academic school year.

INITIATIVE 6 | NETWORKED SPACES

Networked Spaces aims to promote an environment that enhances connectivity and collaboration. The 2nd floor lobby in Wurster Hall contributes to this goal and boasts new couches, a manifold for pin-ups, and double-decker counters. These improvements have resulted in more networking, reading, group meetings, and relaxation. In the coming academic year, a “video wall” will be added and will showcase the impressive array of student and faculty work as well as events at CED.
CED also began construction on a state-of-the-art café and a new plaza on Wurster Hall’s western entry. Both are slated for completion in the fall of 2016. The café is the brainchild of Charles Phan, a former CED architecture student, and founder and executive chef of the famed Slanted Door located in San Francisco’s iconic Ferry Building. Charles has received multiple culinary awards for masterfully combining traditional Vietnamese flavors with a modern day twist, and it is this same cuisine that will be featured in our new café. The café interior is designed by Lundberg Design and the plaza, designed by PGA Design, will be named after CED Architecture alumnus Ong Tze Boon, who generously supported this vital improvement to our building and its environment.
The CED Office of External Relations raises funds for the CED Annual Fund, facility enhancements, student and faculty support, and academic program support in an effort to help sustain and enhance the college and its strategic priorities. In FY16, CED raised over $3.6 million, of which $2.9 million were restricted gifts and $600K was allocated toward annual fund support for college-wide programming, career services, and facilities improvements. This year there were 1,131 distinct donors to CED.

While CED Annual Fund contributions continue to be anchored by members of the Wurster Society and the Dean’s Advisory Council, there were several notable outreach programs to encourage donor participation. The Circus Soirée continued to engage alumni and donors as a fundraising gala. With keynote speaker Dan Doctoroff, the 2016 event successfully raised almost $100,000 for student support — an increase of 157% over last year. Berkeley’s second BIG GIVE, a one-day online-giving marathon, added $27,180 to the Annual Fund.

Dan Doctoroff, CEO & Founder of Google Sidewalk Labs, speaking at the 2016 Berkeley Circus Soirée.
The Terner Center for Housing Innovation, a joint project of the College of Environmental Design and the Fisher Center for Real Estate and Urban Economics at UC Berkeley, raised $2.34 million in seed capital from institutional and individual funders including foundations, real estate leaders and financial institutions. This funding is for research initiatives pursuing solutions to some of the most pressing housing challenges faced both locally and nationally.

The college continues to connect donors with the beneficiaries of their contributions through a variety of channels. Of particular note is CED’s annual Prizes & Awards Luncheon. Hosted every April, the luncheon celebrates the tradition of philanthropy at CED with avid conversation between donors and students, as well as remarks from donors and student award recipients.

### NOTABLE FY16 GIFTS

<table>
<thead>
<tr>
<th>Name</th>
<th>Amount</th>
<th>Description</th>
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<tr>
<td>HAROLD H. BURNS (B.A. ARCHITECTURE ’50)</td>
<td>$560,000</td>
<td>Bequest to establish the Harold Hugh Burns Scholarship in Architecture</td>
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<tr>
<td>TZE-BOON T. ONG (B.A. ARCHITECTURE ‘91)</td>
<td>$250,000</td>
<td>Ong &amp; Ong Plaza Fund</td>
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<tr>
<td>GORDON LINDEN (B.ARCH. ’68)</td>
<td>$150,000</td>
<td>Wurster Hall Enhancement Fund</td>
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<tr>
<td>JAMES RICHARD BOYCE AFFORDABLE HOUSING FUND</td>
<td>$100,000</td>
<td>Bequest</td>
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<tr>
<td>JEFFREY C.F. CHAN &amp; HELEN CHAN</td>
<td>$100,000</td>
<td>Chan Faculty Excellence Fund</td>
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<tr>
<td>SIAM RESEARCH &amp; INNOVATION</td>
<td>$67,425</td>
<td>Annual Fund – Architecture</td>
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<td>JOSE LAMBERT (B.ARCH. ’66)</td>
<td>$50,000</td>
<td>Lambert-Woods Architects Traveling Scholarship</td>
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<tr>
<td>JEFFREY ZAVATTERO</td>
<td>$50,000</td>
<td>Zavattero Family Fund</td>
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As in previous years, CED’s budget is generally comprised of funding from campus, revenue programs and projects, and philanthropy. CED manages a challenging combination of financial circumstances, driven by a steady reduction in campus funds available to schools and colleges. Although the reduction in campus funds has created gaps in resources available for staff salaries and non-compensation expenses, certain types of expenses, like benefits and fee remission paid to student researchers and instructors, are continually increasing. Because the university has now mandated that units carry no in-year deficits, this has effectively changed the college’s budgetary strategy compared to prior years.

CED’s approach has been to cover operating deficits with various types of accumulated financial reserves. However, these reserves are partially restricted and not necessarily replenished annually and, therefore, continue to decrease. Although the college had been spending down these reserves while focusing on increased revenue prospects, this is no longer appropriate given the campus imperative to clear in-year deficits. This is reflected in the annual budget for the college, which for fiscal year 2015–16 shows a net operating surplus of $4,063,873 following modest deficits in prior years.

The college continues to make a concerted effort to improve its financial situation by containing operating costs and developing on-going activities that result in revenue-positive programs. CED’s summer programs, which have been operating since 2010, have generated revenue used for financial aid to students, as well as support for specific operating needs. Additionally, in 2016, college leadership and faculty approved a proposal to establish a Masters in Real Estate Development and Design, a new revenue-generating degree program, which is now before campus reviewers.

While new programs are being considered, existing professional Masters programs have increased enrollment, for which the campus will return a percentage of tuition directly to CED for the first time this year. However, school leadership is also concerned about the increasing administrative and operational demands associated with growth, bearing in mind a leanly-staffed organization.
The college’s philanthropy program provides another avenue for augmenting cash reserves. For the 2015–16 fiscal year, the Annual Fund increased by 5% to $535,000, with additional increases to existing endowments. Future revenue-generating opportunities include the newly designed café, currently under construction and due to open for the upcoming academic year.

BUDGET

STATEMENT OF REVENUE AND EXPENSES
FISCAL YEAR ENDING JUNE 30

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<thead>
<tr>
<th></th>
<th>FY16 ($M)</th>
<th>FY15 ($M)</th>
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<tr>
<td>REVENUE &amp; OPERATING TRANSFERS</td>
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<tr>
<td>Net Tuition and Fees</td>
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<td>Contracts &amp; Grants</td>
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<td>Private Gifts for Current Use</td>
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<td>Sales and Services</td>
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<td><strong>Total Revenue</strong></td>
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<td>Operating Transfers from campus</td>
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<td><strong>17.77</strong></td>
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<tr>
<td><strong>Total Revenue &amp; Operating Transfers</strong></td>
<td><strong>25.53</strong></td>
<td><strong>22.40</strong></td>
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<td>EXPENSES</td>
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<tr>
<td>Academic Salaries &amp; Wages</td>
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<tr>
<td>Staff Salaries &amp; Wages</td>
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<td>Employee Benefits</td>
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<td><strong>Total Compensation</strong></td>
<td><strong>16.77</strong></td>
<td><strong>17.48</strong></td>
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<tr>
<td>Supplies, Materials and Equipment</td>
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<td>Scholarships and Fellowships</td>
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<tr>
<td>Other Operating Expenses</td>
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<td><strong>Total Non Compensation</strong></td>
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<td><strong>Total Expenses</strong></td>
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<td><strong>22.89</strong></td>
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<tr>
<td>NET OPERATING SURPLUS</td>
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<td>(0.49)</td>
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### PERSONNEL 2015–16

#### LEADERSHIP

<table>
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<tr>
<th>Name</th>
<th>Position</th>
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<tbody>
<tr>
<td>Jennifer Wolch</td>
<td>WILLIAM W. WURSTER DEAN</td>
</tr>
<tr>
<td>Renee Chow</td>
<td>ASSOCIATE DEAN FOR UNDERGRADUATE PROGRAMS</td>
</tr>
<tr>
<td>Susan Ubbelohde</td>
<td>ASSOCIATE DEAN FOR FACULTY AFFAIRS</td>
</tr>
<tr>
<td>Jan P. Miller</td>
<td>ASSISTANT DEAN FOR ADMINISTRATION</td>
</tr>
<tr>
<td>Patricia Mead</td>
<td>ASSISTANT DEAN FOR INFRASTRUCTURE AND INFORMATION TECHNOLOGY</td>
</tr>
<tr>
<td>Tom J. Buresh</td>
<td>CHAIR OF ARCHITECTURE</td>
</tr>
<tr>
<td>Robert Cervero</td>
<td>CHAIR OF CITY &amp; REGIONAL PLANNING</td>
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<tr>
<td>Louise A. Mozingo</td>
<td>CHAIR OF LANDSCAPE ARCHITECTURE &amp; ENVIRONMENTAL PLANNING</td>
</tr>
<tr>
<td>Waverly Lowell</td>
<td>DIRECTOR OF ENVIRONMENTAL DESIGN ARCHIVES</td>
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#### ADVISORY COUNCIL

<table>
<thead>
<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Fred Blackwell</td>
<td>SAN FRANCISCO FOUNDATION</td>
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<tr>
<td>Kofi Bonner</td>
<td>FIVEPOINT</td>
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<tr>
<td>Ricardo Capretta</td>
<td>CAPRETTA PROPERTIES INC</td>
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<tr>
<td>Vishaan Chakrabarti</td>
<td>PARTNERSHIP FOR ARCHITECTURE AND URBANISM (PAU)</td>
</tr>
<tr>
<td>Darrell Chan</td>
<td>THE LUK HOI TONG COMPANY LTD</td>
</tr>
<tr>
<td>James R. Crawford</td>
<td>RICHARD MEIER &amp; PARTNERS ARCHITECTS</td>
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<tr>
<td>Brian Dougherty</td>
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<tr>
<td>Gray Dougherty</td>
<td>GENSLER</td>
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<tr>
<td>William Fain</td>
<td>JOHNSON FAIN</td>
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<td>David Friedman</td>
<td>FORELL/ELSESSER ENGINEERS</td>
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<tr>
<td>Jhaelen Hernandez-Eli</td>
<td>HE</td>
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<tr>
<td>Jackson Hsieh</td>
<td>MORGAN STANLEY</td>
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<tr>
<td>Sylvia P. Kwan</td>
<td>KWAN HENMI</td>
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<tr>
<td>Michael Lin</td>
<td>AMERIPRISE FINANCIAL SERVICES</td>
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<tr>
<td>Tom Mead</td>
<td>EQUITY RESIDENTIAL</td>
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<tr>
<td>Gabriel Metcalf</td>
<td>SPUR</td>
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<td>Michael Painter</td>
<td>MPA DESIGN</td>
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<tr>
<td>Lydia Tan</td>
<td>BENTALL KENNEDY</td>
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<tr>
<td>Barbara Wachsman</td>
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<tr>
<td>Peter Walker</td>
<td>PETER WALKER &amp; PARTNERS</td>
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<tr>
<td>G. Judd Williams</td>
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<td>John L. Wong</td>
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<td>Joseph Wong</td>
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<td>Paul Woolford</td>
<td>HOK</td>
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<td>Thomas Yee</td>
<td>STUDIOS ARCHITECTS</td>
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### FACULTY

<table>
<thead>
<tr>
<th>Charisma Acey</th>
<th>Renee Chow</th>
<th>Karl Kullmann</th>
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<tr>
<td>Nezar Alsayyad</td>
<td>Jason Corburn</td>
<td>Ray Lifchez</td>
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<td>Mark Anderson</td>
<td>Galen Cranz</td>
<td>Elizabeth Macdonald</td>
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<tr>
<td>Andrew Atwood</td>
<td>Margaret Crawford</td>
<td>Louise Mozingo</td>
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<tr>
<td>Gary Black</td>
<td>C. Greig Crysluer</td>
<td>John Radke</td>
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<tr>
<td>Peter Bosselmann</td>
<td>René Davids</td>
<td>Ron Rael</td>
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<tr>
<td>Jean Paul Bourdier</td>
<td>Nicholas de Monchaux</td>
<td>Carolina Reid</td>
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<tr>
<td>Gail Brager</td>
<td>Iryna Dronova</td>
<td>Annalee Saxenian</td>
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<tr>
<td>Dana Buntrock</td>
<td>Anthony Dubovsky</td>
<td>Stefano Schiavon</td>
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<tr>
<td>Tom Buresh</td>
<td>Harrison Fraker</td>
<td>Simon Schleicher</td>
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<tr>
<td>Luisa Caldas</td>
<td>M. Paz Gutierrez</td>
<td>Andrew Shanken</td>
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<tr>
<td>Teresa Caldeira</td>
<td>Kristina Hill</td>
<td>Kyle Steinfeld</td>
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<tr>
<td>Christopher Calott</td>
<td>Richard Hindle</td>
<td>Jill Stoner</td>
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<tr>
<td>Greg Castillo</td>
<td>Malo Andre Hutson</td>
<td>Charles Sullivan</td>
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<tr>
<td>Robert Cervero</td>
<td>Lisa Iwamoto</td>
<td>Neyran Turan</td>
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<td>Karen Chapple</td>
<td>Linda Jewell</td>
<td>Susan Ubbelohde</td>
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<tr>
<td>Daniel Chatman</td>
<td>Matt Kondolf</td>
<td>Paul Waddell</td>
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<tr>
<td>Raveevarn</td>
<td></td>
<td>Jennifer Wolch</td>
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<tr>
<td>Choksombatchai</td>
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### VISITORS, ADJUNCTS, AND CONTINUING LECTURERS

<table>
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<tr>
<th>Laura Allen</th>
<th>Danelle Guthrie</th>
<th>Charles Salter</th>
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<td>Fred Blackwell</td>
<td>John Kriken</td>
<td>Michael</td>
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<tr>
<td>Roddy Creedon</td>
<td>Richard LeGates</td>
<td>Smith-Heimer</td>
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<tr>
<td>William Di Napoli</td>
<td>Heather McCulloch</td>
<td>Mark Smout</td>
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<tr>
<td>Karen Frick</td>
<td>David Meyer</td>
<td>Mitchell Squire</td>
</tr>
<tr>
<td>Carol Galante</td>
<td>Keith Plymale</td>
<td>Kim Stryker</td>
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</tbody>
</table>
LECTURERS

Patricia Algara
Ajay Manthripragada
Jay Atherton
Andrea Broadus
Jennifer Brooks
Marco Cenzatti
Joan Chaplick
Mike De Gregorio
Ghigo Di Tommaso
John Ellis
Alma Du Solier Espinosa
Darell Fields
Andrea Gaffney

Robert Glass
Susan Goltsman
Jeffrey Haltiner
Sara Hinkley
Sarah Hirschman
Ricardo Huerta
Daniel Iacofano
Brian Jencek
Dawn Kooyumjian
Michael Lamb
Kelley Lemon
Stephanie Lin
Daniel Lindheim
Nathan Lozier
Deborah McKoy
Blaine Merker
Susan Moffat
Tim Mollette-Parks
Moira O’Neill-Hutson
David Orkand
Nicholas Pajerski
Rudabeh Pakravan
Paul Peninger
Dominique Price
Erik Prince
Johnathan Puff
Stet Sanborn
Kimberly S. Smith
Dan Spiegel
Achva Stein
Patrick Tierney
David Waldron
Ho Man Yeung
Caren Yglesias
Madeleine Zayas Mart

Associate Professor
Malo Hutson
CED staff members (left to right) Eric Gillet, Finance Manager, Semar Prom, Fabrication Shop Manager, and Mike Bond Facilities Manager

**STAFF**

- Miloh Alexander
- Jeff Allen
- Jessica Ambriz
- Alejandro Blanco
- Mike Bond
- Elizabeth Bowler
- Alvin Bradford
- Chrissie Bradley
- Melanie Brey
- Rhommel Canare
- Peter Catalano
- Tonia Sing Chi
- Marge d’Wylde
- Michael de Leon
- Janet DeHaven
- Laura Mae deLeon
- Debra Downey
- Mike Frappier
- Eric Gillet
- Chris Glick
- Malla Hadley
- Susan Hagstrom
- Clayton Hall
- Amy Honigman
- Leslie Huang
- Stefanie Hundenski
- Joyce Jennings
- Gurujiwan Khalsa
- Lois Koch
- Frederick Lee
- Jill Martin
- Sara McCarthy
- Paul Mirocha
- Grace Moon
- Michael Ng
- Josephine O’Shaughnessy
- Chris Palmer
- Kathleen Pera
- Ben Peterson
- Semar Prom
- Ramon Quiambao
- Omar Ramirez
- Randall Reali
- Susan Retta
- Chandni Sheth
- Stephanie Shipman
- Camille Thoma
- Elizabeth Thorp
- Tony Tieu
- Nancy Trinh
- Lauri Twitchell
- Alex Warren
CENTER FOR ENVIRONMENTAL DESIGN RESEARCH (CEDR)
Edward Arens, Director
Gail S. Brager, Associate Director

INSTITUTE FOR URBAN & REGIONAL DEVELOPMENT (IURD)
Jason Corburn, Director
Malo Hutson, Associate Director

TERNER CENTER FOR HOUSING INNOVATION
Carol J. Galante, Director

ENVIRONMENTAL DESIGN LIBRARY
David Eifler (MCP, MLIS), Librarian
Dori Hsiao (MLIS), Technical Services Lead
Brian Light, Chief Operations Manager
Molly Rose, Circulation Supervisor

ENVIRONMENTAL DESIGN ARCHIVES & VISUAL RESOURCE CENTER
Waverly Lowell (FSAA, MA, MLIS), Curator
Jason Miller (MLIS), Visual Resource Center Director
Chris Marino (MLIS), Reference and Outreach Archivist
Emily Vigor (MLIS, MA), Collections Archivist
Cailin Trimble, Assistant Archivist
Cover: Professor Lisa Iwamoto and her partner Craig Scott received a 2016 AIASF Design Award for their interior design of the Bloomberg Tech Hub. Photo: Bruce Damonte