Over the course of 2014-15, the College of Environmental Design welcomed an extraordinary cohort of new students, as talented as any before them and increasingly diverse in terms of demography and geography. Again, we are proud to have the largest share of undergraduates who are underrepresented minorities, from households with modest incomes, or coming from international locales of any academic unit on campus. At the same time, CED students received a wide range of prestigious prizes and awards, both for discipline-specific projects and also cross-disciplinary team efforts. The latter included a #2 Prize at the Vertical Cities Asia International Design Competition in Singapore.
We also embraced Christopher Calott, Iryna Dronova, Carol Galante, Richard Hindle, and Simon Schleicher as new members of the faculty, and worked to recruit two new appointments who we hope will be joining us in the near future. At the same time, three members of the faculty retired, and one joined our sister institution UCLA – Elizabeth Deakin, Michael Dear, Paul Groth, and Ananya Roy, respectively. Their presence and many significant contributions will be sorely missed in their departments, the college, and campus. Overall, CED’s faculty was amazingly productive and entrepreneurial this year, attracting major extramural grants, winning high profile competitions and awards, and creating start-up ventures, as well as publishing books, journal articles, and blogs.

Three new academic programs were launched this past year. Students entered new graduate certificate programs in geographic information science and technology, and in real estate (both collaborations with other partners across campus). And our initial cohort of Sustainable Environmental Design (SED) undergraduate majors arrived, which is already 50 strong – and growing fast.

Wurster Hall projects continue, although not always as quickly as we would prefer! Larger projects including the café and west patio, and the new shop yard, have taken longer than anticipated but should be under construction this year. However, many smaller yet vital projects were completed or are now underway. These include a redesign of the 2nd floor lobby to create a more comfortable student lounge and workspace; handsome fencing around the North Entrance to Wurster Hall; a remodel of the 1st floor AV Technology Office; and critical improvements to the 4th floor Student Computing Lab.

Importantly, the philanthropic generosity of our alumni and supporters, along with redoubled efforts to generate resources, allowed us to weather further reductions in CED’s state funding. In particular, we were successful in our campaign to raise $500,000 for the redesign of Studio Floor 7, and plan to be ready to begin this important pilot project in May 2016.

Lastly, the entire CED community is extraordinarily proud that the QS Ranking of World Universities, one of the foremost metrics we use to judge our performance, ranked UC Berkeley’s architecture/built environment field as #4 worldwide, and #2 in the USA. Way to go CED – and Go Bears!

Jennifer Wolch
William W. Wurster Dean
Professor of City & Regional Planning
First and foremost, the strength of the College of Environmental Design community is defined by its enduring commitment to excellence and accessibility within public education, and support for leading research and practice within the fields of environmental design. For many generations, these values have informed the college’s mission of addressing the world’s most pressing urban challenges relating to sustainability, innovation, local-global engagement, and activism, as well as respect for diversity, place, and community. The unique talents and backgrounds of CED students, faculty, alumni, and staff, and their penchant for multi-disciplinary collaboration, form the foundation of this community’s strength and are largely responsible for its resilience and success.

In many regards, the CED community had a banner year during 2014-15. The college boasted its largest number of new faculty appointments in recent years, an extensive and award-winning catalog of innovative research, top-five rankings for graduate programs in all three departments, the highest-ever attendance at the Berkeley Circus, and strengthened alumni and professional partnerships.

A selection of these activities and accomplishments by members of the CED community are highlighted in the following sections, which not only represent years of hard work and creative thinking, but may also foreshadow some of the great things to come.

ARCH 169/269 students participating in the #tearableheart demonstration on March 4, 2015. The students walked a massive structure consisting of hundreds of balloons to sites across the UC Berkeley campus.
The faculty of CED was pleased to welcome five new appointments: Associate Professor of Architecture and Lalanne Chair of Real Estate Development, Architecture, and Urbanism Chris Calott; Assistant Professor of Landscape Architecture and Environmental Planning Iryna Dronova (Ph.D. ’12); Terner Distinguished Professor of Affordable Housing and Urban Policy Carol Galante (MCP ’78); Assistant Professor of Landscape Architecture and Environmental Planning Richard Hindle; and Assistant Professor of Architecture Simon Schleicher. CED also honored the careers of new emeriti: Professor of City & Regional Planning Betty Deakin, Professor of City & Regional Planning Michael Dear, and Professor of Architecture and Geography Paul Groth.

In recognition of their contributions to the practice and academy of environmental design, promotions were awarded to Associate Professor Dan Chatman and Professor Karen Chapple in City & Regional Planning, Associate Professor Paz Gutierrez and Professor Renée Chow in Architecture, and Associate Professor Karl Küllmann in Landscape Architecture & Environmental Planning.

Furthermore, Professor of Architecture Susan Ubbelohde was appointed Associate Dean for Faculty Affairs. Her years of teaching experience and expertise in CED make her a critical member of the college’s leadership team, particularly in the areas of faculty affairs, equity, and welfare.

HIGHLIGHTED FACULTY AWARDS

MARK ANDERSON
2015 AIA SF DESIGN AWARDS
SPECIAL RECOGNITION, SOCIAL RESPONSIBILITY
Anderson Anderson Architecture recognized for design of energy positive prefabricated, relocatable classroom for Hawaii Department of Education (Ewa Beach).

ANDREW ATWOOD
2015 ARCHITECTURAL LEAGUE PRIZE FOR YOUNG ARCHITECTS AND DESIGNERS
Atwood and Anna Newmark (firm partner at First Office), recognized for addressing competition theme of authenticity. Accompanied by lecture and exhibition in New York City.

ROBERT CERVERO
2014-15 CHURCHILL COLLEGE OVERSEAS FELLOWSHIP, CAMBRIDGE UNIVERSITY
Prestigious fellowship for world class senior academics. Supported transportation research.

MARGARET CRAWFORD
FULBRIGHT SENIOR SCHOLAR RESEARCH FELLOWSHIP
Supports ongoing research into the role of art and design within the conflict between independent villages and municipal governments in the Pearl River Delta region of China.

RANDY HESTER
2015 ASLA PROFESSIONAL AWARDS COMMUNITY SERVICE HONOR AWARD
Recognizes Hester’s career-long contribution to public design. Award will be presented at 2015 ASLA Annual Meeting in Chicago.

LINDA JEWELL
2015-16 DUMBARTON OAKS GARDEN AND LANDSCAPE STUDIES FELLOWSHIP
The academic year fellowship will support Jewell as she completes the manuscript of her book Gathering on the Ground: Experiencing Landscape in American Outdoor Theaters.

LOUISE MOZINGO
2014 ASLA PROFESSIONAL AWARDS COMMUNICATIONS HONOR AWARD
In recognition of Pastoral Capitalism: A History of Suburban Corporate Landscapes (MIT Press, 2012), the first scholarly examination of the planning and design of the suburban corporate campus.

JENNIFER WOLCH
BEVERLY WILLIS ARCHITECTURE FOUNDATION OCULUS AWARD
Leadership award for demonstrating significant leadership in teaching and research, enhancing and furthering understanding of gender issues in architecture and related fields.
The Departments of Architecture and City & Regional Planning hosted seven distinguished visiting faculty members this year. Visitors are leading practitioners and academics from the US and UK, who taught special courses on topics ranging from the future of Detroit to ecological cities.

In addition to major grants and accolades awarded to faculty by cultural and professional institutions, a number of faculty received prestigious campus honors for research, including the Bakar Fellowship to support Ronald Rael’s work in developing advanced building material applications using additive manufacturing, the Regents’ Junior Faculty Fellowship to Richard Hindle, a Peder Sather Center Grant Award to support René Davids’ workshop for the development of a customizable pre-fabricated footbridge in Norway with Pasi Aalto (NTNU), the Hellman Fellowship for Charisma Acey’s project Exploring the Human Right to Water Paradigm in Urban and Peri-Urban Water Governance, and the McQuon Fellowship to support Kristina Hill’s involvement with the Climate Readiness Institute.

CED hosted a memorial for Donald Olsen, Professor Emeritus of Architecture and designer of Wurster Hall along with Joseph Esherick and Vernon deMars. Friends and colleagues gathered with the Olsen family at Wurster Hall in remembrance of Don and to celebrate his legacy, which lives on at CED and in the students that he taught.

DISTINGUISHED VISITING FACULTY

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LAURA ALLEN
HOWARD A. FRIEDMAN VISITING PROFESSOR OF PRACTICE IN ARCHITECTURE, FALL 2014
Senior Lecturer, University College London
Smout Allen

MICHAE L. J. BELL (M.Arch. ’87)
HOWARD A. FRIEDMAN VISITING PROFESSOR OF PRACTICE IN ARCHITECTURE, SPRING 2015
Professor of Architecture, Columbia University
Visible Weather

TONI GRIFFIN
THEODORE B. AND DORIS SHOONG LEE DISTINGUISHED PROFESSOR OF REAL ESTATE LAW AND URBAN PLANNING, FALL 2014
Professor of Architecture, CCNY
Director, Bond Center on Design for a Just City

JIM JENNINGS (B.Arch. ’66)
JOSEPH ESHERICK VISITING PROFESSOR OF PRACTICE IN ARCHITECTURE, SPRING 2015
Jim Jennings Architecture

SHEILA KENNEDY
BERKELEY-RUPP VISITING PROFESSOR OF ARCHITECTURE, SPRING 2015
2014 Berkeley-Rupp Prize Recipient
Professor of the Practice of Architecture, MIT
Kennedy & Violich Architecture Ltd.

STANLEY SAITO WITZ (M.Arch. ’77)
JOSEPH ESHERICK VISITING PROFESSOR OF PRACTICE IN ARCHITECTURE, SPRING 2015
Professor Emeritus of Architecture, UC Berkeley
Stanley Saitowitz | Natoma Architects Inc.

MARK SMOUT
HOWARD A. FRIEDMAN VISITING PROFESSOR OF PRACTICE IN ARCHITECTURE, FALL 2014
Senior Lecturer, University College London
Smout Allen
FACULTY RESEARCH & CREATIVE ACCOMPLISHMENTS  
The research and creative accomplishments of individual members of the CED faculty is diverse and wide-ranging. In addition to completing design commissions, competitions, exhibits, and publishing important monographs, CED faculty also published a number of key articles in such journals as Architectural Science, Building and Environment, Ecological Engineering, Architectural Theory Review, JoLA, Remote Sensing, Journal of Transport Geography, Environment & Planning B, Sustainable Cities & Society, Preventive Medicine, Landscape & Urban Planning, and Urban Studies – to name just a few.

INSTITUTE FOR URBAN AND REGIONAL DEVELOPMENT (IURD)  
IURD, led by Interim Director Karen Chapple, supports 21 researchers and is also home to research centers including the Center for Cities and Schools (CC+S), the Center for Community Innovation (CCI), the Center for Global Metropolitan Studies, the Center for Global Healthy Communities (CGHC), the Urban Analytics Lab, and the new Terner Center on Housing Innovation, headed by former HUD Assistant Secretary for Housing/Federal Housing Commissioner Carol Galante, the I. Donald Terner Distinguished Professor in Affordable Housing and Urban Policy.

The major focus of IURD research is analyzing and promoting more sustainable development patterns, whether through integrated transport-land use planning, equitable development, or healthy city planning. This year’s conference, Reducing Inequality in a Sustainable World, showcased research by UC Berkeley faculty in economics, energy, environment, anthropology, sociology, and planning, followed by an incisive panel of California legislators.

CC+S continued to influence the link between education and sustainable communities through the Y-PLAN (Youth-Plan, Learn, Act, Now!), and PLUS (Planning and Learning United for Systems-Change) programs. This year Y-PLAN successfully expanded to nine U.S. cities and six countries with the support of the Capital One Foundation. The California Endowment and the Kellogg Foundation are supporting CC+S’s new research on Healthy Planning and Policies for Healthy School Environments.

CCI is researching inclusive and equitable transit-oriented development under grants from the California Air Resources Board and the Metropolitan Transportation Commission on the displacement impacts of transit investment, with the goal of improving Sustainable Communities Strategies (SB 375). CCI recently won $600,000 of related grants to study sustainable locations for affordable housing and industrial businesses.

The Urban Analytics Lab, which develops 3D urban models of the evolution of cities and regions over time, recently won funding from the MacArthur Foundation to assemble and integrate “big” data sets to build a more comprehensive urban modeling and forecasting tool.

CGHC’s commitment to promoting equal access to health services, urban climate justice, food security, and active places continued through on-going research and active engagement, with a new report released in March detailing the health impacts of inadequate sanitation on the lives of women in Nairobi’s Mukuru slum.

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’s 38 industry partners provide support for its research program, and frequently hire CED graduates. In Fall 2014, CBE was awarded three large grants totaling $8 million to fund core research in the areas of radiant systems, task/ambient approaches to workplace comfort, and R&D in new technologies for monitoring and controlling commercial buildings. Two projects will be funded through grants by the California Energy Commission under the Electric Program Investment Charge (EPIC). A third award, from the U.S. Department of Energy’s Advanced Research Projects Agency (ARPA-E), will support development of the next generation of CBE’s low-energy personal comfort systems. CBE faculty and researchers will lead the projects in collaboration with CBE Industry Partners and other industry leaders, who will provide matching funds and in-kind support. Work on these new initiatives started in Summer 2015, and will continue for the next three years.
In Fall 2014, CREC completed a study for the California Air Resources Board on the greenhouse gas (GHG) co-benefits of water, waste, and transportation strategies in certified green commercial buildings (in partnership with CBE), and a study of the municipal fiscal benefits of California’s building energy efficiency standards for the California Energy Commission (CEC). CREC is also successfully completing a multi-year research contract with CEC 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 GHG emissions from regional transportation networks. CREC continued its involvement in Re-inventing the Nation’s Urban Water Infrastructure (ReNUWIt), a multi-university National Science Foundation-funded engineering research center. CREC’s executive director Dr. William Eisenstein serves as the urban systems and institutions research thrust leader for ReNUWIt, and is involved in several ongoing research projects innovating new planning methods and technologies for stormwater capture, groundwater recharge, and water reuse.

IASTE completed its 14th biennial conference in December 2014. The conference was held in Kuala Lumpur, Malaysia, and attracted over 200 participants. IASTE recently published issue 52 of its biannual journal, *Traditional Dwellings and Settlements Review*.

GLOBAL URBAN HUMANITIES INITIATIVE The Global Urban Humanities Initiative is a collaborative project funded by the Mellon Foundation and co-led by principal investigators Jennifer Wolch and Anthony Cascaridi, Dean of the Arts & Humanities. Supported by Academic Coordinator Susan Moffat (MCP ’07), the initiative integrates environmental design pedagogy and the humanities disciplines through academic programming. Activities during 2014-15 included a course on urban sensing taught by Ron Rael (Architecture) and Greg Niemeyer (Art Practice), a seminar on placemaking and performance offered by Ghigo di Tommaso (Landscape Architecture) and Erica Chong Shuch (Theater, Dance & Performance), and a research studio on art villages in China led by Margaret Crawford (Architecture) and Winnie Wong (Rhetoric), as well as a colloquium on “Reading Cities/Sensing Cities” and exhibit on the Albany Bulb organized by Susan Moffat. Initiative grants to graduate student teams generated two innovative and high-quality publications. Wolch, Cascaridi and Moffat are assessing challenges and opportunities associated with disciplinary and pedagogical integration.

HIGHLIGHTED FACULTY RESEARCH & CREATIVE ACCOMPLISHMENTS

TERESA CALDEIRA PARTICIPATORY URBAN PLANNING IN BRAZIL Continuing research on participatory urban planning as a model of urban reform and democratic invention in Brazil by examining the mandated formulation of urban policy according to federal principles and through popular participation.

GREG CASTILLO DESIGN RADICALS: CREATIVITY AND PROTEST AT WURSTER HALL An examination of the legacy of design activism within CED and its relationship to Bay Area counterculture. Research yielded an exhibit in 2014, and will contribute to a book on the topic.

KAREN CHAPPLE PLANNING SUSTAINABLE CITIES AND REGIONS: TOWARDS MORE EQUITABLE DEVELOPMENT Book published in 2014 (Routledge) that considers the preservation of social equity in California’s sustainability planning practices and policies.


KRISTINA HILL A MODEST PROPOSAL: ADAPTING THE EDGE OF THE SAN FRANCISCO BAY FOR SEA LEVEL RISE Research into adaptation strategies for sea level rise that considers the economic and ecological viability of a “hybrid edge” consisting of “micro-polders” to keep water levels steady.

WALTER HODD CITE/SITE, OPA-LOCKA, FL Commission to redesign and revitalize Ali Baba Avenue, Opa-locka’s main thoroughway, by reimagining the space as a canvas for an art piece that simultaneously highlights contemporary infrastructure in the pedestrian right-of-way.


LISA IWAMOTO BLOOMBERG WEST COAST TECHNOLOGY HUB Designed by IwamotoScott, Bloomberg’s flagship tech hub, in the old Pac Bell building in SF’s SOMA district, seeks to foster socialization and collaboration through a design that includes an ecosystem of different working spaces.

RONALD RAEL BLOOM First and largest powder-based 3D printed cement structure using a proprietary concrete-polymer powder formula. Funding and collaborative support provided by the Siam Research and Innovation Co. Ltd/SCG.

SIMON SCHLEICHER BIOD-INSPIRED COMPLIANT STRUCTURES AND MECHANISMS FOR ARCHITECTURAL DESIGN Research aims to transfer elastic bending and folding mechanisms found in plant or insect movements to flexible design and fabrication process for the building sector.

ANDREW SHANKEN INTO THE VOID PACIFIC: THE ARCHITECTURE OF THE 1939 SAN FRANCISCO WORLD’S FAIR Published in 2015 (UCPress) on the occasion of the expo’s 75th anniversary, this book explores how the architecture of the fair fashioned and expressed the notion of “Pacific Civilization.”

PAUL WADDELL URBAN FUSION FOR MODELLING AND URBAN SUSTAINABILITY Supported by a MacArthur Foundation Grant, the Urban Analytics Lab project assembles and integrates data sets to build a comprehensive urban modeling and forecasting tool.
Students are among the most active and prolific contributors to the college community as leaders of a number of student- and college-sponsored activities, initiatives, and organizations. Student groups, including Alpha Rho Chi, the ASLA Students, AIA Students, Berkeley Urban Studies Student Association (BUSSA), Chicano/Latino Architecture Student Association (CASA), CED Students of Color (CEDSOC), and Global Architecture Brigades, produced a number of professional development events and organized gatherings that form the center of social life at the college. Highlighted events include the 10th anniversary celebration of the Urban Studies major program, co-presented by DCRP and BUSSA, as well as the popular bi-weekly graduate student happy hour.

CED’s award-winning annual student publications showcase the diversity and rigor of the university’s intellectual community: The Berkeley Planning Journal (BPJ), produced by graduate students in DCRP, features innovative and research-oriented articles on contemporary topics in planning and urbanism; students of LAEP launched GROUND UP Issue 04 (Out West) in May 2015; and Room One Thousand, a student journal featuring discourses on architecture, launched Issue Three in May 2015 in exploration of the themes of the Global Urban Humanities Initiative.

**UNDERGRADUATE EXTRACURRICULAR ACTIVITIES**

<table>
<thead>
<tr>
<th>SENIOR EXIT SURVEY RESULTS, 2011-2015</th>
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<tbody>
<tr>
<td><strong>PERCENTAGE OF STUDENT RESPONDENTS</strong></td>
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<tr>
<td>2011</td>
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<tr>
<td>80%</td>
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<td>62%</td>
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<tr>
<td>6%</td>
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<tr>
<td>46%</td>
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<tr>
<td>41%</td>
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- Participated in a student group
- Completed an internship while in CED
- Participated in volunteer work or community service
- Studied abroad while a student at Cal

CED’s curriculum included a total of 14 student-led courses this year. Of note was the #tearableheart installation from ARCH 169/269, a hands-on student directed design-build construction course advised by Professor Mark Anderson, which honored the 50th anniversary of the Free Speech Movement with the creation of several experimental balloon structures.

Students from all departments at the college were the recipients of prestigious accolades in research and practice. Anna Goodman (Ph.D. Architecture) received the 2014 Carter Manny Award for Doctoral Dissertation Writing from the Graham Foundation for Advanced Studies in the Fine Arts in support of her research on the history of community design-build. A team of seven MS and Ph.D. students guided by Assistant Professor Stefano Schiavon and lecturer Brandon Levitt received an Analysis Excellence Award in the Department of Energy’s Race to Zero Student Design Competition. Erik Jensen (MCP ’12, MLA ’14) received a 2015 ASLA Student Honor Award in the General Design category for his proposal to rehabilitate 16th Street Station in West Oakland. Lastly, construction on the Nest We Grow food pavillion, winner of the 4th annual LIXIL Design Competition and designed by a team of CED M.Arch. students, was completed in Hokkaido, Japan.

**RECENT CED STUDENT PUBLICATIONS**

**ROOM ONE THOUSAND**

*Room One Thousand*, winner of the 4th annual LIXIL Design Competition, and designed by a team of CED M.Arch. students, was completed in Hokkaido, Japan.

**BERKELEY PLANNING JOURNAL**

*Berkeley Planning Journal* is a peer-reviewed publication for emerging scholars of city and regional planning. Accompanied by the Urban Fringe blog.

**GROUND UP**

*Ground Up* Issue 04 reflects on what it means to design in the San Francisco Bay Area in a landscape that is permanently in flux.
CED continued to improve its academic programs with the addition of new courses addressing contemporary issues in environmental design and unique partnerships that enhanced the academic curriculum. Professional graduate programs in all three departments were highly-ranked by respected trade publications and organizations: the program in planning was ranked #2 nationwide by Planetizen, the program in architecture was ranked #4 worldwide by QS, and the graduate program in landscape architecture was ranked #4 nationwide by Design Intelligence.

A number of new courses and programs introduced during the academic year expanded the breadth of CED’s curriculum. The Interdisciplinary Spatial data map of urbanized areas in China’s Pearl River Delta region in 2005 by Yang Ju (Ph.D. Landscape Architecture & Environmental Planning) from Applied Remote Sensing (LA 254), Spring 2015, taught by Assistant Professor Iryna Dronova.

Graduate Certificate in Real Estate (IGCRE) launched during Fall 2014, in collaboration with the Haas School of Business and Berkeley School of Law. A number of IGCRE students from all three schools competed as final round contestants in the Bank of America Merrill Lynch Low Income Housing Challenge. A new course on Applied Remote Sensing (LA 254), taught by Assistant Professor Iryna Dronova, introduced students to cutting edge innovations in spatial data and image processing. Two MCP gateway courses, Planning Methods Gateway (CP 201A/B) and Practice Gateway: Introduction to Planning Practice (CP 202), were introduced to the first-year MCP curriculum to form a foundation along with History of City Planning (CP 200) in that program.

The Department of Architecture joined 11 departments on campus to launch Berkeley Connects, a campus-wide initiative to foster academic mentoring for undergraduate students. Directed by Professor Grieg Crysler, Berkeley Connects in Architecture paired undergraduate students with a graduate student mentor for support, interchange, and creative growth within undergraduate studies in architecture.

Industry partnerships provide valuable program support and connect students with current issues in practice. Studio One, CED’s post-professional degree program in architecture, received sponsorship from Autodesk and the Internet Archive in support of its research theme, The Data Made Me Do It. Case Studies in Landscape Design (LA 200B) received sponsorship to design a new pedestrian path at the Claremont Hotel. Travel for studio courses was provided to the Villages in Development in the Pearl River Delta (ARCH 179/279) multi-disciplinary seminar, the Architecture in Detail (ARCH 262) Studio workshop in Trondheim, Norway, multi-disciplinary graduate urban design workshop at SCUT, the Local Economic Development Studio (CP 228) trip to Guatemala, and the Architecture Capstone Project (ARCH 102) trip to Kyoto, Japan. CED is also a continuing participant in the Vertical Cities Asia Competition, which included a multi-disciplinary studio site visit to Singapore in response to the 2015 competition theme “Everyone Contributes,” inspired by the symbiotic structure of ecological systems.
The college is home to one of the most diverse populations on campus, as diversity within CED’s faculty and student body consistently exceeds campus-wide averages. In addition to representing a range of socioeconomic and racial backgrounds, CED’s undergraduate population, for instance, has a high percentage of transfer and first generation college students compared to other schools on campus. Furthermore, enrollment by international students at CED is currently at an all-time high, having grown by 200% over the past decade within the undergraduate student body alone.

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.

During the Fall 2014 and Spring 2015 Open Houses for Graduate Students, CED Graduate Student Services organized two faculty/student research panels representing research from each of the departments focused on diversity issues. Presentation titles included: The Spread of the Foreclosure Crisis and Too Many Transit Fares: Barriers, Attitudes, and Solutions for a Bay Area Fare Structure.

The CED Dean’s Office sponsored a group of graduate students to attend the first Othering and Belonging Conference on April 24, 2015 in Oakland. Attendees were invited to discuss and think about issues of ‘Othering’ - “a set of processes that engender marginality across any of the full range of human difference.” Speakers included Andrew Solomon, bell hooks, Naomi Klein, Charles Blow, and Ai-jen Poo.

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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 5 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 modestly by 2%.
Each year, CED hosts a variety of special events and communications to engage and inform its community about current alumni, student and faculty activities. Attendance in 2015 was higher than those in preceding years for nearly all college events. Alumni receptions during the fall were generously hosted by Lehrer Architects in Los Angeles and by Diller Scofidio + Renfro in New York. CED also continued to host alumni receptions in concurrence with the national meetings of AIA in Atlanta, ASLA in Denver (hosted by Wenk Landscape Architecture & Planning), and APA in Seattle (hosted by Mithun). In the spring semester, LAEP celebrated its graduate student class of 2015 by hosting a student-alumni mixer at SPUR SF. Events like this provide alumni with an opportunity to network with aspiring professionals.

In March, 158 students presented their work to 78 Distinguished Visiting Fellows during the fifth annual and most successful Berkeley Circus yet. 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. The day wrapped with a festive reception in the Wurster Courtyard, sponsored by the Siam Research & Innovation Co, Ltd. (SCG), during which Associate Professor of Architecture Ronald Rael and his team of graduate students unveiled “Bloom,” the first and largest powder-based 3D-printed cement structure built to date and centerpiece of the event. Allison Williams, FAIA (M.Arch. ’76), Daniel Iacofono (Ph.D. Environmental Planning ’86), and Kofi Bonner (MCP ’86, M.Arch. ’87) were honored as recipients of the 2015 Distinguished Alumni Award in recognition of their outstanding professional achievement at the Circus Soirée during the next evening.

CED’s web presence grew with the launch of new websites dedicated to Blake Garden and five research groups, while content within the Global Urban Humanities Initiative and Archives websites were expanded. External Relations also produced 16 issues of CEDeNews, sent bi-weekly to 12,000 alumni and donors; six issues of the internal newsletter InsideCED; and two issues of the alumni publication FRAMEWORKS. CED’s social media presence was enhanced with @wursterlife on Instagram and CED Connects, a new LinkedIn group designed to connect current students with alumni and broaden their network of contacts in the professional community. Also on LinkedIn is the new UC Berkeley College of Environmental Design page, which serves as a resource for prospective students and helps connect alumni to the college.

**ALUMNI**

<table>
<thead>
<tr>
<th>HEADCOUNT OF LIVING CED ALUMNI</th>
<th>DISTINGUISHED ALUMNI AWARD RECIPIENTS</th>
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<tbody>
<tr>
<td>27,378</td>
<td>71</td>
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24 Architecture, 20 Landscape Architecture & Environmental Planning, 18 City & Regional Planning, eight Design, and one Decorative Art
Changes in educational technology, as well as the methods of design and research, are occurring at especially fast rates that put increasingly significant demands on CED’s resources and services. Combined with the continued growth of the college’s student body, curriculum, and design technologies-focused research, the need to bring leading-edge resources to Wurster Hall is more important than ever. CED has made it a top priority in recent years to update facilities and service offerings to better meet needs and enable success within its community.

In addition to the introduction of various digital resources improving access to the robust and constantly growing collections of the Environmental Design Library, Archives, and Visual Resource Center, CED’s Infrastructure and Information Technology unit made a number of facilities and service improvements that increased cost-effectiveness, access and usability of the Fabrication Shop, Digital Fabrication Lab, and the Computing Labs.

The college is also making an effort to help students fully engage in the academic community and prepare them for professional success by improving advising, counseling, and career services. In partnership with a number of units and centers on campus, CED continues to develop tailored services and aid programs for its undergraduate and graduate students.
The Environmental Design Archives (EDA) is committed to raising awareness of 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. The breadth of EDA’s collections will be enhanced by the recently donated records of SMWM/architect Cathy Simon and urban designer Karen Alshuler; architects Donald Hardison (FAIA), Terry Tong, and Donald Hisaka; and landscape architects Achva Benzinberg Stein (FASLA) and Professor of Landscape Architecture Walter Hood.

EDA’s collections were also included in a number of recent publications and exhibitions, such as Into the Void Pacific: Building the 1939 San Francisco World’s Fair by Assistant Professor of Architecture Andrew Shanken (UC Press, 2014), an upcoming Discovery Family Channel documentary on the Golden Gate Bridge, and the “Pathmakers: Women in Art, Craft and Design, Midcentury and Today” exhibition at the New York Museum of Arts and Design, among others.

In an effort to increase outreach and showcase unique archival material, EDA strengthened its digital presence with the addition of seven virtual exhibits to the EDA website and the creation of a monthly blog covering a range of topics from anniversary celebrations for Sea Ranch and UC Santa Cruz to Wikipedia and its unofficial bias against women. The Archives also expanded its public outreach through social media platforms Facebook, Instagram, and Twitter, attracting a following of current students, alumni, and design enthusiasts.

Visual Resource Center (VRC) Director Jason Miller taught six classes on ARTstor use and image searching and responded to 280 in-person visitors, in addition to the steady task of digitizing and cataloging slides and born digital media for faculty, researchers, exhibitions, and ARTstor/Spiro databases. Slide collections from Emeriti Professors Sim Van der Ryn and Henry Lagorio, and architect Donald Hisaka were recently added to the VRC.

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The Environmental Design Library is the heart of the college and the locus of intellectual discovery for CED’s student, faculty, and community practitioners. Librarian David Eifler worked closely with Operations Manager Dori Hsiao and Circulation Supervisor Molly Rose to expand hours of operation, increase the library’s seating capacity, and enhance individualized reference and instruction services.

The library’s collection grew with the acquisition of 2,000 new monographs and a number of electronic resources; CED students and faculty currently have access to more than 1,200 electronic databases. Access to the Environmental Design Library and the greater campus’ network of library materials was further improved with the introduction of the new book “request” service, which facilitates interdisciplinary research by delivering a book from any of the campus’ nearly 30 libraries to a library of their choice.

CED’s Career Services office, led by Maria Dawson, aims to improve outreach to the 800 CED students who access its offerings through direct counseling, accessible resources, tailored workshops and special events. A primary goal during the 2014-15 academic year was to connect students with alumni, mentors, and local employers through a variety of networking events and programs, such as the new “Day in the Life” series, which drew students from multiple departments to learn about the lives and careers of CED graduates. Alumni representing graduation years 1979 through 2013 provided a range of career perspectives and insights that were illustrated with examples of daily work, ongoing projects, and honest discussions of the opportunities that arise from successes and failures along the career path.

In an effort to better serve students during the busy academic year, CED continues to partner with UC Berkeley Career Services and University Health Services Tang Center’s Counseling and Psychological Services (CPS) to provide satellite, tailored services in Wurster Hall. CPS is an essential resource available to all students at CED. In addition to individual counseling sessions, Amy Honigman, Ph.D. led a series of mindfulness based stress and resilience workshops for students during the spring semester. Dr. Honigman also provided consultations to faculty and staff for handling complicated student mental health issues.

Counseling and Psychological Services drop-in appointments are available on site at Wurster Hall two afternoons per week during the academic year, and at other times by appointment at the Tang Center.
Infrastructure and Information Technology (IIT) oversees and manages a number of resources for the CED community. Improvements to IIT resources were intended to address demands resulting from increased usership within the Fabrication Shop, Digital Fabrication Lab, and Computing Labs. The Fabrication Shop and Digital Fabrication Lab, for example, saw an annual increase in usership of 12% and 16%, respectively. In addition to installing more hardware and machinery, access and services within those facilities were improved with the hiring of new mechanician staff, streamlining of sign-up processes, and physical improvements to the spaces themselves.

Other facilities improvements included repairs to the second floor courtyard, a popular teaching and gathering space within the college, and the much-needed replacement of a failing Compressed Air system that affected Wurster Hall laboratories and shops. Furthermore, IIT did a comprehensive survey of Wurster Hall’s AV systems to guide plans for the improvement of CED’s instructional support infrastructure.

Thanks to CED’s partnership with the Educational Opportunity Program (EOP) in the Division of Equity & Inclusion, the CED Materials Store opened January 2015 to provide students with in-demand materials at a reasonable cost and within close proximity to studios, the Fabrication Shop, and Digital Fabrication Lab. One of the many goals of the store is to subsidize CED’s Technology Access Program (TAP) by earmarking 60% of net revenue toward supporting students with financial need. Since opening, the store, along with student donations via PaperCut, has already distributed an additional $3,636 to TAP this coming year.

Due to the socio-economic needs of the college’s undergraduate student body, the CED Office of Undergraduate Advising (OUA) and IIT continue to collaboratively administer TAP to alleviate some of the financial barriers experienced by students. Through an application process co-designed by OUA, IIT, and EOP staff, students apply for first-come, first-served $100 grants toward Lab and Shop access fees, or credit toward printing costs.
STUDENT SERVICES

Academic advising and student services at CED, including admissions administration, workshops, drop-in advising, and social hours, are provided by department-specific Graduate Student Affairs Officers (GSAOs) and the Office of Undergraduate Advising (OUA).

GSAOs collaborated closely with departmental chairs and faculty committees to advise prospective students and offer guidance to 453 students enrolled in CED’s masters and doctoral programs. In an effort to better understand current employment trends, debt accumulation and overall satisfaction with the academic program, the GSAOs introduced an exit survey for graduating students in all graduate major programs. Of the many insights that illuminated the experiences of graduating masters and doctoral students, results of note included the fact 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.

Under the leadership of Associate Dean Renée Chow and Director Susan Hagstrom, the OUA offered a wide array of enrichment and support services that resulted in nearly 10,000 total student contacts this year, while developing a campus partners network of tailored services for 600 CED undergraduate students. The number of undergraduate students served via drop-in advising services continues to grow thanks to the success of a “strengths-based” advising model, which assists students with their longer-term goals and provides early intervention for students in need. Support for current students was improved with the assistance of CED student and first ever Community Fellow Alexa Vaughn, who acted as a social ambassador for CED undergraduates, and planned and promoted events for students to foster greater social engagement within the college.

In support of undergraduate admissions, the OUA team conducted and participated in a total of 67 outreach and yield activities that reached over 2,300 students and counselors. The CED Admissions Ambassador Interns led efforts to increase visibility of CED-related fields, especially to underrepresented communities, encouraging prospective students to apply to CED programs. Major outreach activities included 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 is on an upswing. Interest in CED’s new Sustainable Environmental Design major remained strong as the program enters its second year.

In addition to hosting fall and spring open houses, GSAO outreach for graduate program admissions included a series of informational webinars, biweekly conference calls with major program committee members, and participation in the annual NOMA conference in Philadelphia. 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 was lower than 2013-14, which had such an unusually high yield rate that programs made a concerted effort to scale back for 2014-15.

**ADMISSIONS**

<table>
<thead>
<tr>
<th>GRADUATE DEGREE PROGRAMS</th>
<th>UNDERGRADUATE DEGREE PROGRAMS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLASSES ENTERING FALL 2011–FALL 2014</td>
<td>CLASS ENTERING FALL 2014</td>
</tr>
<tr>
<td><strong>Masters</strong></td>
<td><strong>Freshmen</strong></td>
</tr>
<tr>
<td>AY15</td>
<td>AY11</td>
</tr>
<tr>
<td>Applicants - AY15</td>
<td>1771</td>
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<tr>
<td>Admitted - AY15</td>
<td>1771</td>
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<tr>
<td>Enrolled - AY15</td>
<td>132 Masters</td>
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<tr>
<td><strong>Doctoral</strong></td>
<td><strong>Transfer</strong></td>
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<tr>
<td>AY15</td>
<td>AY15</td>
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<tr>
<td>Applicants - AY15</td>
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<tr>
<td>Admitted - AY15</td>
<td>1771</td>
</tr>
<tr>
<td>Enrolled - AY15</td>
<td>132 Masters</td>
</tr>
</tbody>
</table>

**Notes:**
- **Masters:** 926 M.Arch., 425 MCP, 266 MLA, 93 MUD, 61 MS
- **Doctoral:** 98 ARCH, 90 DCRP, 19 LAEP
- **Freshmen:** 827 ARCH, 77 LAEP, 107 DCRP, 210 SED
- **Transfer:** 207 ARCH, 22 LAEP, 45 DCRP, 23 SED
- **Admissions Ambassadors:** Alexa Vaughn
- **Community Fellows:** Alexa Vaughn
- **Social Ambassador:** Alexa Vaughn
- **Contact:** Nearly 10,000 student contacts
- **Enrichment Services:** 67 outreach and yield activities
- **Support Services:** 600 CED undergraduate students
- **Advising Model:** Strengths-based
- **Employment Trends:** 29% career changers, 87% employed while enrolled, 68% planning to seek employment in environmental design field
Undergraduate and graduate students at CED receive financial aid from a number of resources. In addition to grants and loans offered by state and federal agencies, the UC Berkeley campus provides significant aid to ensure accessibility for all students regardless of their socioeconomic background or immigration status. Campus programs have successfully helped undergraduate students coming from families with household income up to $150,000, while graduate students receive significant aid from grants and fellowships administered by the UC Berkeley Graduate Division.

CED supplements this aid with grants from Professional Degree Supplemental Tuition revenue, teaching and research appointments for graduate students, and donative student support funds administered by the college. From donor-supported funds alone, CED was able to make 200 awards amounting to $850,000 during the 2014-15 academic year.

### GRADUATE FINANCIAL AID

#### 2013-14 AVERAGE TOTAL AID

**DOCTORAL STUDENTS**

\[
\$28,948
\]

Mandatory tuition/fees for CA residents during 2013-14 was $13,049. The average for gift aid to doctoral students was $26,948. Financial aid was awarded to 100 CED doctoral students, or 86% of CED doctoral students. (Source: Cal Answers)

#### 2013-14 AVERAGE TOTAL AID

**MASTERS STUDENTS**

\[
\$24,283
\]

Mandatory tuition/fees for CA Residents during 2013-14 was $20,654. The average gift aid for masters students was $15,386. Financial aid was awarded to 306 masters students, or 91% of CED masters students. (Source: Cal Answers)

#### 2014-15 TEACHING/RESEARCH APPOINTMENTS

<table>
<thead>
<tr>
<th>453 CED MASTERS &amp; DOCTORAL STUDENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>308 NOT APPOINTED</td>
</tr>
<tr>
<td>102 APPOINTED</td>
</tr>
<tr>
<td>9 READERS</td>
</tr>
<tr>
<td>1 GRADUATE STUDENT INSTRUCTORS</td>
</tr>
</tbody>
</table>

Appointments of at least 25% time include partial to full fee remission plus stipend.

#### 2013-14 AVERAGE FEDERAL DEBT

**MASTERS DEGREE RECIPIENTS WITH LOANS**

\[
\$53,926
\]

Although 51% of CED’s masters degree recipients graduated with no federal debt, 49% of the graduating masters class were burdened with loans ranging from less than $10K to more than $100K. (Source: Cal Answers)

### UNDERGRADUATE FINANCIAL AID

#### 2013-14 AVERAGE TOTAL AID

**UNDERGRADUATES**

\[
\$21,331
\]

During the 2013-14 academic year, 384 CED undergraduate students, or 73% of CED’s undergraduate student body, were recipients of financial aid. The average gift aid for these students was $16,874. (Source: Cal Answers)

#### 2013-14 CED PELL GRANT RECIPIENT AVERAGE HOUSEHOLD INCOME

\[
\$24,739
\]

In 2014, the poverty threshold for a family of four was $23,850 (US Department of Health & Human Services). The average Pell Grant award to a CED student was $4,397 during the 2013-14 academic year (Cal Answers).

### UNDERGRADUATE FINANCIAL AID

Compared to averages across campus, the need for financial assistance is especially great at CED. Among the undergraduate student body, approximately 40% of students are Pell Grant recipients whose average household income amounts to $24,739. And while 91% of masters students are receiving aid, approximately half of the graduating class in 2014 was strapped with an average of $53,926 in federal loans.

Raising private funds for student support remains a top priority for all departments at the college. CED is also implementing cost-saving solutions to reduce the financial burden of educational expenses for its students. The recently-opened Materials Store brings competitively-priced fabrication materials to all CED students, while the Technology Access Program (TAP) provides modest grants to low-income students for fabrication shop, digital fabrication lab, and computer lab access costs.

The Federal Pell Grant Program provides need-based financial aid for low-income undergraduates through 5,581 participating colleges and universities. During the 2013-14 academic year, 9,091 undergraduates at UC Berkeley were awarded Pell Grants, or 35% of campus undergraduates, which included 243 CED students, or 40% of CED undergraduates. By comparison, 16% of students on average received Pell Grants at Ivy League schools during 2013-14 (US Office of Postsecondary Education).
ENRICHMENT PROGRAMS

The college’s enrichment programs invite students, professionals, academics, and the interested public into the fold of the CED community to engage with current curricula and discourses in research and design. Notable programs from 2014-15 that enhanced CED’s academic mission and brought the college’s programs to a wider audience are highlighted in this section.

Non-degree programs, represented by summer academic programs and the Cal Design Lab, provide participants ranging from high school-aged to career-transition students with a variety of immersive and tailored educational experiences introducing current and emerging issues in design and planning within urban environments. The programs also provide valuable faculty-guided teaching experience for CED graduate students, all while generating vital revenue for the college.

Not only do public programs, which include lecture series events and special exhibitions, expand the academic horizons of the college by bringing industry leaders to campus, but they also showcase new work by CED faculty and students, as well as the collections of the college’s valuable archival resources. These thought-provoking programs fuel conversations on the environmental design disciplines, oftentimes inspiring new insight through the process of exploring CED’s rich history.

“CED Unite for Peace” from the Environmental Design Archives Marc Treib Collection, and featured in the DESIGN RADICALS exhibition during Fall 2014.
CED’s non-degree programs provide intensive educational experiences focused on current and emerging issues within environmental design for three key demographics. During the summer months of 2014, the Summer [IN]STITUTE introduced 134 continuing and career-transition students to some of the most pressing issues and innovative methodologies in environmental design through lectures and critiques by leading practitioners and academics, as well as an immersive studio experience. Nearly 90% of program participants in 2013 who reported applying to graduate school were admitted.

In its third annual cycle, the embARC Summer Design Academy engaged 20 advanced high school students in a design-build and architecture/urban planning studio curriculum focused on sustainable development within the West Berkeley neighborhood. Students designed housing complexes and bus shelters that addressed issues of pedestrian access and patterns of exclusion in urban development, and applied their design-build skills to construct a chicken coop in partnership with Spiral Gardens, a local non-profit urban gardening center.

Disc* (Design & Innovation for Sustainable Cities), the newest summer program, exposes advanced undergraduates to the challenges of global urbanization and empowers them to craft innovative design-based solutions for the urban environment. After the program’s successful pilot in 2014, Program Director Ghigo Di Tomasso began planning and recruiting for Disc*2015 on the theme of “Rising Waters.” The second cycle of Disc* in July-August 2015 will look at regional biodiversity, green and grey infrastructures, living shorelines, and biophilic cities, undertaking a case study series of “walkabout” excursions tracing the San Francisco Bay coastline.

SUMMER PROGRAMS

<table>
<thead>
<tr>
<th>TOTAL SUMMER PROGRAM PARTICIPANTS</th>
<th>TOTAL GUEST SPEAKERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>JUNE-AUGUST 2014</td>
<td>FOR ALL 2014 SUMMER PROGRAMS</td>
</tr>
<tr>
<td>175</td>
<td>50</td>
</tr>
</tbody>
</table>

134 Summer [IN]STITUTEs, 20 embARC, and 21 Disc*2014

33 Practitioners, 10 CED Faculty Members, four Visiting Instructors, and three Students
During the 42 events that comprised the 2014-15 CED Lecture Series, academics, practitioners, and theorists engaged CED’s community in discussion on provocative local and international issues in the fields of environmental design. Wurster Hall also hosted seven exhibitions that highlighted the work of CED’s community partners, students, and faculty, as well as the EDA, VRC, and Environmental Design Library collections.

The Design Radicals initiative, organized by Associate Professor Greg Castillo, was a major highlight of public programs. A lecture series, workshop series, and exhibition explored the college’s role and perspectives on UC Berkeley’s tradition of political activism as the campus celebrated the 50th anniversary of the Free Speech Movement.

EXHIBITION HIGHLIGHTS

SENTENCED: ARCHITECTURE & HUMAN RIGHTS
10.14-11.20.2014 | WURSTER GALLERY
Curated by ADPSR, SENTENCED highlighted little-known spaces within US prisons and detention centers that house activities deemed to violate human rights: execution chambers, supermax prisons, and juvenile isolation cells.

DESIGN RADICALS
10.16-12.19.2014 | ENV DESIGN LIBRARY
Organized by Associate Professor of Architecture Greg Castillo to commemorate the 50th anniversary of the Free Speech Movement. Featuring posters from EDA’s Marc Treib Collection and other loaned materials.

DESIGNING PEOPLE
2.11-5.10.2015 | ENV DESIGN LIBRARY
Curated by EDA Curator Waverly Lowell and Reference Archivist Chris Marino, this exhibit used EDA collections to highlight the figures that inhabit architectural and landscape renderings.

LECTURE SERIES HIGHLIGHTS

LIZ OGBU (CCA) V. KEVIN CONGER (CMG)
LAEP THUNDERDOME DEBATE
9.8.2014

DIANA AGREST (COOPER UNION), NICHOLAS DE MONCHAUX (BERKELEY), SYLVE LAVIN (UCLA), JONATHAN MASSEY (CCA)
THE MAKING OF AN AVANT GARDE
10.8.2014

LINCOLN CUSHING (DOCSPOPULI.ORG)
DESIGN RADICALS LECTURE
GRAPHIC ARTS INSURGENCY: THE POSTER LEGACY OF WURTERSE HALL
10.16.2014

BRADLEY CANTRELL [HARVARD GSD]
RESPONSIVE LANDSCAPES
11.10.2014

MICHELLE WILDE ANDERSON (STANFORD), JENNIFER GRANHOLM (BERKELEY), TONI GRIFFIN (CCNY), MALO HUTSON (BERKELEY)
ENVISIONING THE FUTURE OF DETROIT
11.13.2014

RICK LOWE [PROJECT ROWHOUSES]
REGENTS LECTURE
SOCIAL AND COMMUNITY ENGAGED WORK: THE GENUINE AND THE ARTIFICIAL
11.17.2014

ALICE T. FRIEDMAN [WELLESLEY]
ARCUS LECTURE
QUEER OLD THINGS: IMAGE, MYTH AND MEMORY IN 20TH CENTURY PARIS
2.11.2015

PAUL GOLDBERGER (VANITY FAIR & THE NEW SCHOOL)
HITCHCOCK LECTURE
THE GENERIC CITY & THE CREATIVE CITY
4.20-4.21.2015
The college has made significant strides this year in realizing its strategic and financial vision. Motivated by a desire to improve training for students and resources for faculty as they address current issues facing the practices of planning and design, CED is making some major revisions to its business practices and strategic vision that will better position the college to support future methods of learning and research. In addition to updating CED’s original teaching spaces to accommodate collaborative and multi-media learning, college leadership is working with faculty, students, and staff to develop new multi-disciplinary curricula and create a greater focus on diversity issues within its public programs.

In order to foster financial stability and improve resources for student support, CED is supplementing variable campus resources with other revenue-generating programs and opportunities that directly benefit the college community. Existing support from the successful summer programs and an already robust philanthropy program will soon be bolstered by revenue from new programmatic and business ventures. Extra care continues to be taken to minimize expenses and improve institutional efficiencies in tandem with the development of new strategic initiatives. During this crucial turning point in its 55-year history, CED is prepared to fully support its founding mission for years to come.
Implementation of the six initiatives of our strategic plan, CED Frontiers, focused intently on faculty research development, curricular and co-curricular enhancement, and facility renovation. More information on the plan and ongoing updates can be found at CED.BERKELEY.EDU/ABOUT-CED.

RESEARCH IMPACT Seventeen faculty presented ‘what’s next on the horizon’ for their research to their colleagues, and several guests from LBNL, the Office of the Vice Chancellor for Research, Stamen Design, the CED Dean’s Advisory Council, and CED Staff at the faculty research retreat at the UC Berkeley Botanical Gardens in February.

Associate Professors Jason Corburn and Kristina Hill co-chair a new committee charged with drafting a CED Research Infrastructure Plan that will support increased accessibility to data, funding opportunities, proposal writing/team building, and lab space.

DESIGN AND TECHNOLOGY LAB As conceived by Ronald Rael and founding faculty members Iryna Dronova, Paz Gutierrez, Richard Hindle, and Simon Schleicher, the proposed ‘CED Make Tank’ would be a cross-discipline research collective of faculty-led research centers including PrintFARM, Drone Lab, BIOMES, the Bio Inspired Structures Lab, and the Ecological Building Systems Lab located on the emerging Berkeley Global Campus at Richmond.

DIVERSITY PLATFORMS The Diversity Platforms Committee led by Arcus Chair and Associate Professor of Architecture Greig Crysler with members Assistant Professor Charisma Acey, Emily Pilloton (B.A. Architecture ‘03), Graduate Diversity Officer Kathleen Pera, M.Arch. students Alberto Benejam and Zoe Beba, PhD student Divya Sundar, and Urban Studies student Mryna Ortiz seeks to engage faculty, students, staff, and alumni in the critical examination of the intersection of race and ethnicity, gender and sexual orientation, power and privilege, poverty and inequality, restorative justice, and other aspects of human identity and relations within the built environment.

The committee developed a plan to sponsor an annual lecture event, and prepared a call for programs to the CED community for the development of co-curricular events and activities in 2015-16 to be funded by the Arcus Endowment.

CURRICULUM CROSSROADS Associate Dean for Undergraduate Programs Renée Chow and Undergraduate Affairs Committee faculty members Dan Chatman, Raveevarn Choksombatchai, Kristina Hill, and Chip Sullivan proposed the integration of select courses that explicitly introduce multi-disciplinary pedagogy into the college’s breadth requirement for undergraduates. CED’s executive committee endorsed continued development and vetting of the proposal with the departments and instructors in the coming year.
FLEX STUDIOS  The campus provided a 2:1 match for donations raised by CED to implement the Flex Studio pilot program on the 7th floor. The renovation of the studio will include flexible furniture systems, disbursed power sources throughout the floor, and expanded review space with increased pin-up space in the studio bays, as well as the installation of a new critique room with advanced AV technology. The goal is to renovate the floor over Summer 2016. The pilot program will involve studio sections from all three departments over the course of the 2016-17 school year. The Flex Studios faculty committee will work with a design consultant to finalize the design during the 2015-16 academic year.

NETWORKED SPACES  Plans were finalized to begin construction in Summer 2015 to refurbish the 2nd floor lobby. The goal is to enhance this multi-use space for reviews, receptions, study groups, and conversations. The newly designed floor will feature an original piece by Raveevarn Choksombatchai – the ‘Manifold’ – that will serve as a fold out pinup wall. Additional seating will be available with the installation of counter bars along the eastern windows as well as soft seating. We are also planning to add a multi-screen wall that will offer a dynamic display of faculty and student work, and announce upcoming events.
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 fulfill the CED Frontiers Strategic Plan Initiatives. In FY15, CED raised over $1.85 million, of which $1.28 million were restricted gifts and $568K was allocated toward annual fund support for college-wide programming, career services, and facilities improvements. This year there were 1,138 distinct donors to CED representing a 22% increase in participation over FY14.

While CED Annual Fund contributions continue to be anchored by members of the Wurster Society and the Dean’s Advisory Council, a number of new programs were introduced this year to encourage donor participation. The Circus Soirée was reimagined as a fundraising gala for alumni and donors, with a focus this year on those involved in the real estate and development industry. With keynote speaker Carol Galante, I. Donald Terner Distinguished Professor in Affordable Housing and Urban Policy, the event successfully raised $36,465 for the Annual Fund. CED launched the 112 Wurster Club, a new giving society for young alumni, that encourages graduating seniors and alumni who graduated in the last 10 years to stay connected to the CED community as well as giving back. On November 20, 2014, Berkeley’s first ever BIG GIVE, a one day online-giving marathon, added $21,215 to the Annual Fund.

The CED Frontiers Strategic Plan initiatives prompted several new programs to raise funds for Wurster Hall improvements. A total of $1.5 million is needed for the Flex Studio pilot program in anticipation of construction during Summer 2016. Also underway are solicitations for additional support to renovate Wurster Hall’s 2nd Floor Lobby as a networked space.

A major aspect of college development activities is centered around regular engagement of 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 FY15 GIFTS

<table>
<thead>
<tr>
<th>Gift Description</th>
<th>Amount</th>
<th>Fund/Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carla L. Van Slyke Fund for Blake Garden</td>
<td>$354,540</td>
<td>Bequest</td>
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<tr>
<td>Gary R. Lim B.Arch. ’60 &amp; Rita L. Lim</td>
<td>$250,000</td>
<td>Yuk Wah Student Support Fund, Wurster Hall Enhancement Fund</td>
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<td>Yon-Ju Hwang M.C.P. ’69</td>
<td>$100,000</td>
<td>Wurster Hall Enhancement Fund</td>
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<td>Janet K. McKay B.A. ’35</td>
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<td>Professor Raymond Lifchez M.C.P. ’72</td>
<td>$75,000</td>
<td>Judith Lee Bronach Professional Experience Award Fund</td>
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<td>Watson Family Fund</td>
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<td>Autodesk</td>
<td>$47,000</td>
<td>Annual Fund, Studio One Program, 2014-15</td>
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<td>Rene’ J. Tourrier Memorial Scholarship in Architecture</td>
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<td>Siemens Research &amp; Innovation (SCG)</td>
<td>$32,000</td>
<td>Annual Fund, 2015 Berkeley Circus</td>
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<td>James Richard Boyce Affordable Housing Fund</td>
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<td>Joseph D. Wong B.A. ’72, M.Arch. ’74</td>
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<td>Pinterest</td>
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<td>Annual Fund, Arch 1000, Spring 2015</td>
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<tr>
<td>Claremont Resort &amp; Spa</td>
<td>$10,000</td>
<td>Annual Fund, Laep 2008, Spring 2015</td>
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### DONOR DEMOGRAPHICS

<table>
<thead>
<tr>
<th>Decade</th>
<th>Alumni Donor Class</th>
<th>Generosity %</th>
</tr>
</thead>
<tbody>
<tr>
<td>1940’s</td>
<td>7</td>
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</tr>
<tr>
<td>1950’s</td>
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<tr>
<td>1960’s</td>
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<td>1970’s (Most Philanthropic)</td>
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<td>1980’s</td>
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<td>1990’s</td>
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</tr>
<tr>
<td>2010’s</td>
<td>85</td>
<td>85</td>
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| Giving Participation | Percentage increase in donor participation, from 937 in FY14 to 1,138 in FY15 | 22% |

| Alumni to Non-Alumni Ratio | Among CED’s donor population of 1,138 FY15 donors. | 6:1 |
The CED budget is generally comprised of funding from campus, revenue programs and projects, and philanthropy. CED has been managing an increasingly challenging combination of financial circumstances, driven by a steady reduction in campus funds available to schools and colleges in recent years that has created gaps in resources for staff salaries and non-compensation expenses. At the same time, certain types of expenses, like benefits and fee remission paid to student researchers and instructors, continue to grow. As a result, the college has been spending down unrestricted reserves at the encouragement of campus, while focusing on increased revenue prospects. These activities are reflected in the college’s FY15 budget, which shows a net operating deficit ($490,192) that was covered by accumulated financial reserves, following modest surpluses in prior years. However, reserves are partially restricted and not necessarily replenished annually and, therefore, continue to decrease.

The college has taken a two-pronged approach to improving its finances: first, to contain costs, and second, to replenish reserves by growing revenue-generating programs and opportunities.

CED’s summer programs generate revenue that supports several crucial expense categories, including financial aid to students and specific operating needs. Additionally, college leadership and faculty are working together to introduce new revenue generating degree programs, as well as executive education programs in collaboration with other schools on campus. These efforts will be supplemented by revenue from increased enrollment in CED’s existing professional Masters programs, for which campus will return a percentage of tuition directly to the college. However, college leadership is closely monitoring increased administrative and operational demands associated with growth in order to maintain a leanly-staffed yet effective organization.

In addition to these revenue-generating opportunities, the college’s philanthropy program has also delivered increased revenue toward augmenting resources to maintain program quality. During 2014-15, Annual Fund revenue increased by 25% and the college added two new endowment funds, as well as increases to existing endowments. Other future revenue-generating opportunities include a newly designed Wurster Café.

The value of CED’s endowment, which consists of 132 funds, was bolstered by the multi-year Campaign for Berkeley and several gift-matching programs. After the recent economic recession, CED’s annual endowment payout has recovered a positive growth trajectory while maintaining a 4.25% spending policy rate.
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COVER  Night time view of Nest We Grow, winner of the fourth annual LIXIL Design Competition, in Taiki-cho, Hokkaido (Photo: Hsin-Yu Chen, MArch ’16).