



GSD

Annual Report

2017-2018



Dean Mohsen Mostafavi (far left) with John May MArch '02 (center) and review participants during the final review for the fall 2017 course “Experiments in Computer Graphics.”

Dear Alumni and Friends,

With the passing of each academic year, our community has the opportunity to reflect on our many accomplishments and to anticipate and imagine future achievements. The previous fiscal year saw some significant milestones for the GSD, including the energizing and successful final year of our Grounded Visionaries campaign, the University’s capital campaign, and some important leadership appointments. As always, the talent, dedication, and optimism of our community this year remind us why we engage in our project and what we can accomplish when we listen to, collaborate with, and encourage each other.

This Annual Report represents a synthesis of everything we have pursued and accomplished over the past fiscal year and how the GSD—through its pedagogy, collaborations, and community—leads the conversation about the future of design.

As we continue to investigate the question of how design can respond to urgent challenges and opportunities in cities, nations, and ecologies around the world, design research and its translation to applied innovation remains the cornerstone of this effort. In the pages ahead, you will read about the Harvard Center for Green Buildings and Cities, which celebrated the commissioning of its much-anticipated “HouseZero” project last April (see page 27). With generous support from the John S. and James L. Knight Foundation, we also launched the “Future of the American City” initiative last spring, announcing our inaugural research projects in the cities of Miami and Miami Beach. I hope you will also visit the Research (see page 26) and Philanthropic Support (see page 44) sections of this Report to learn more about the many exciting opportunities we are pursuing.

Some of the most groundbreaking dialogue and progress at the GSD take place in our courses and studios. Each of our departments has the opportunity to bring leading practitioners to the GSD and to engage students in site visits around the world, ranging from Marina Tabassum’s architectural exploration in Bangladesh

to Eelco Hooftman and Bridget Baines's look at Mount Desert Island in Maine, not to mention important investigations of our home city of Cambridge and neighboring areas. Please take a moment to learn about these and other department highlights on pages 13, 17, and 18.

The opportunity to not only gather but also share, celebrate, and reflect on the richness of our work is significant, and I am always impressed by how creatively and powerfully we illustrate our pursuits to the rest of the world. We invite and hear from many enormously talented speakers, whose perspectives enrich our learning and our community (see pages 33–37). Special moments last year included an October symposium in celebration of the 100th birthday of our friend and GSD alumnus I. M. Pei MARCH '46, as well as our second Black in Design Conference, organized by students in the GSD's African American Student Union. In celebrating a generous gift from Ronald M. Druker LF '76, we named our main exhibition space the Druker Design Gallery. In January, K. Michael Hays and Andrew Holder filled this Gallery with its inaugural exhibition, "Inscriptions: Architecture Before Speech," which brought together a rich diversity of work from the GSD community and beyond Gund Hall. The many other fascinating and rewarding exhibitions and publications produced this past year are listed on pages 38–39 and 42–43.

As we recognized the change in leadership from Harvard University President Drew Gilpin Faust to President Lawrence S. Bacow in summer 2018, we also celebrated a leadership change of our own: the appointment of Mark Lee MARCH '95 as chair of our Department of Architecture. We also thanked Beth Kramer, associate dean for development and alumni relations, for her years of dedication to the School and for leading us through a successful capital campaign. The Development and Alumni Relations Office, along with the many faculty and staff who assisted in the work of the Campaign, made this final year a powerful one, and I hope you will read more about their work and impact on pages 44–47.

As we look back in this Annual Report at what we have accomplished, we are reminded of our potential, especially at this pivotal moment for the design fields and for the GSD. I hope it inspires you to engage with the School in the coming year and to remain committed to empowering the next generation of design leaders and innovators.

Best,



Mohsen Mostafavi

Dean and Alexander and Victoria Wiley Professor of Design

Top Left: *Jeanne Gang MArch '93 delivers the 2018 Open House Lecture entitled "Thinking Through Practice and Research."*

Top Right: *Rahul Mehrotra MAUD '87 points to a map during the studio trip to Mumbai, India, for the spring 2018 option studio "Extreme Urbanism." Shaney Peña-Gómez LF '18, Sebastian Gomez MAUD '19, and Claire Pang Zhuo MAUD '18 (left to right) observe.*



Mark Lee MArch '95 gestures to a model during the final review for the fall 2017 option studio "The Monument," led by Emanuel Christ (second from right) and Christoph Gantenbein.



Faculty

To support our strategically expanded student enrollment, the GSD has continued to grow its faculty cohort this year with a focus on developing junior faculty and promoting diversity. The overall number of faculty has grown to 179. Our faculty represent a range of interests within our core disciplines—46 percent represent architecture, 29 percent landscape architecture, and 25 percent urban planning and design—and global diversity: 40 percent of all GSD faculty hail from outside the United States.

of Ladder Faculty

75

The GSD recruits and promotes innovative practitioners and educators who shape the global future of design practice and research. Following a trend among other schools at Harvard University, this year the GSD moved to a formalized tenure track system, continuing to support the development of junior faculty and providing a more defined path forward for this increasingly diverse group.

of Multi-Year Faculty

23

We recently announced three significant appointments that will bring new energy and ideas to the Department of Architecture: Jeanne Gang MArch '93, Sharon Johnston MArch '95, and Mark Lee MArch '95 were named professors in practice of architecture. Lee later accepted the position of chair of the Department of Architecture. In addition, Teresa Galí-Izard was appointed associate professor of landscape architecture; Pablo Pérez-Ramos MLA '12, DDes '18 was appointed assistant professor of landscape architecture; and John May MARCH '02 was appointed assistant professor of architecture.

Balancing bold early-career innovators with experienced leadership, the School has recognized faculty at various stages in their careers. Five junior faculty members were awarded Dean's Annual Junior Faculty Research Grants to support the publication of their research, and six received design innovation grants to work on nonprofit or community design projects. Two senior faculty members were honored with named professorships: Erika Naginski was named the Robert P. Hubbard Professor of Architectural History, and Gary R. Hilderbrand MLA '85 was named the Peter Louis Hornbeck Professor in Practice of Landscape Architecture.

of Ladder and Multi-Year Faculty by Department

98

Total

48

ARCH

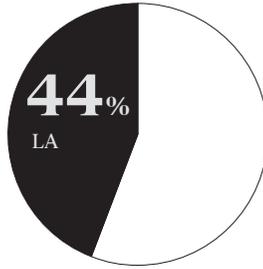
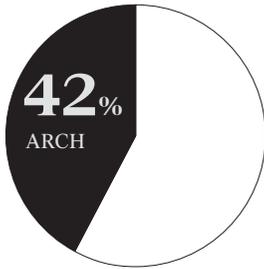
24

LA

26

UPD

% of Faculty Born Outside the United States



40%

Total

of Visiting Faculty*

81

Total

35

ARCH

28

LA

18

UPD

*Department numbers may be slightly higher than total head count due to faculty who are affiliated with two departments.



Top: *David Ling MArch '20 and Pamela Cabrera MDes '19 participate in a clay storming workshop led by Anna Heringer LF '12 over J-Term.*

Bottom Left: *Carlos Espinoza MLA '17, Gideon Finck MLA '17, and Ana Cristina Garcia Baena MLA '17 at Commencement.*

Bottom Right: *Grace McEniry MArch '19 checks out a thesis model by Justin Jiang MArch '17, part of the spring 2018 exhibition "Live Feed: Platform 10."*

Students and the Student Experience



Average Age

26

of Matriculating Students

905

of Countries Represented
in the Student Body

60

Students

Balanced across gender lines and between domestic and international citizenship, GSD students represent the best and brightest from around the world. While the studio-based degree programs in architecture, landscape architecture, urban design, and urban planning continue to embody the identity of the school, the largest incoming segment of students is now the Master in Design Studies program. The eight MDes areas, along with the Doctor of Design and Master in Design Engineering programs, are attracting cohorts with ever-expanding disciplinary breadth and multiple professional interests, leading to a more diverse array of students, discussions, and opportunities.

Student Experience

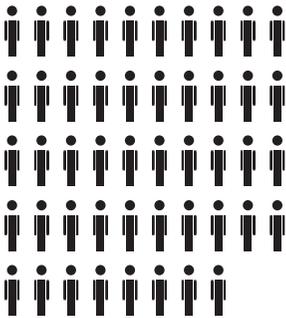
The GSD experience takes place both inside and outside the classroom. Students participate in a unique combination of rigorous coursework and a constantly evolving spectrum of enrichment opportunities, including lectures, design competitions, University-wide collaborations, topical symposiums, grassroots global relief efforts, and student-led activism. This year, life on campus was especially robust.

The GSD's African American Student Union organized the second biannual Black in Design Conference, "Designing Resistance, Building Coalitions," in October 2017, featuring powerful keynote addresses by LAXART Executive Director Hamza Walker and Black Lives Matter activist DeRay Mckesson. Women in Design honored International Women's Day with a curated exhibition, "Feminine Power," and a capstone lecture by Beatriz Colomina in which she examined female influence and the often invisible role of women in the collaborative design process throughout history.

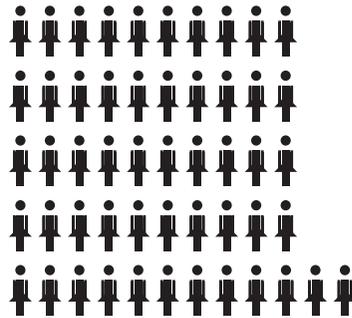


Boston-based dance company RootsUprising, led by choreographer Nailah Randall-Bellinger (second from right), perform during the 2017 Black in Design Conference organized by the GSD's African American Student Union.

% of Male and Female Students



Male 48%



Female 52%

% of International Students

54%

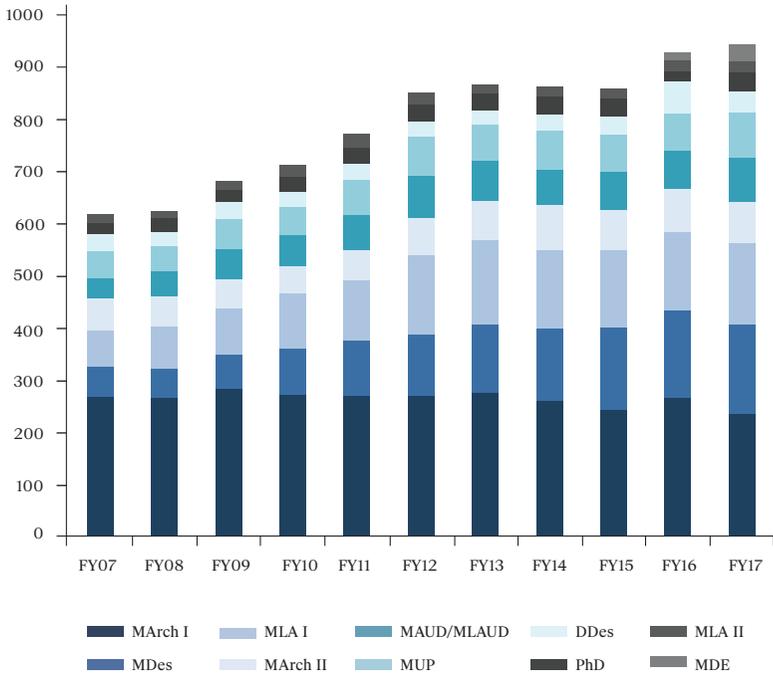
% of Minority Students

20%

GSD students collaborated to provide grassroots relief for global disasters. In the aftermath of Hurricane Maria, students organized with University of Puerto Rico faculty and students to create the Puerto Rican Research Group, designed to address the challenges facing this Caribbean territory. A website acts as the repository for a series of conversations that will inspire future work. Similarly, a group of students organized to support relief efforts in Mexico after a series of earthquakes devastated regions of the country in 2017.

Our students are recognized leaders, collaborating with peers throughout the Harvard community. Isaac Stein MLA '20, MDes '20 and Maggie Tsang MDes '19 won first place in the Radcliffe Institute Public Art Competition with a poetic design narrative on climate change, and a cross-Harvard team led by Gina Ciancone MUP '19 won seed funding from the South Asia Institute to produce a zero-electricity modular ventilation panel, made from an agricultural waste byproduct, for the slums of New Delhi. The GSD hosted the annual Harvard xDesign Conference, "Explore Your Influence," welcoming design thinkers from a variety of global firms and students from the Harvard Business School, the John A. Paulson School of Engineering and Applied Sciences, Harvard College, and the GSD.

Student Enrollment (Matriculated) Fall 2007-2017



Students in the spring 2018 option studio "Model as Building—Building as Model," led by George L. Legendre, take a selfie in Scotland. Left to right: Benjamin Hait, Christina Hefferan, Hyunsuk Yun, Chantine Akiyama, Carolyn Yi, all MArch '19.

Core Disciplines & Advanced Study Programs



Right: Students in Sonja Dümpelmann's course "Forest, Grove, Tree: Planting Urban Landscapes" on a field trip to Harvard Forest.



Thesis review for "TransVision: Exploring the State of the Visual Field" by Jiabao Li MDes '18, recipient of the 2018 Project Prize in Design Studies.

Department of Architecture

of Students

316

of First-Year Students

106

Our consistently acclaimed Department of Architecture was delighted to welcome new leadership for the 2018–2019 year and beyond. After a multi-year search, Mark Lee MArch '95 was appointed chair of the Department as of July 1, 2018. In making this announcement, Dean Mostafavi acknowledged the tireless commitment and significant accomplishments of K. Michael Hays, who chaired the Department for the past two years. Throughout the year, Jon Lott MArch '05 and Jennifer Bonner MArch '09 continued as directors of the MArch I and MArch II degree programs, respectively. Lee, who joined the School as a Visiting Critic in 2013, is a founder and principal at Johnston Marklee; his cofounding partner is newly appointed Professor in Practice of Architecture Sharon Johnston MArch '95. Lee brings decades of experience as a global practitioner and innovative educator to his post.

The Department of Architecture, and the discipline itself, have entered a period of self-reflection. This year, the Department experimented with “how the field can question itself” while also anticipating and responding to contemporary concerns. Hays moderated a conversation between faculty members Preston Scott Cohen MArch '85 and Eric Höweler in which they explored their respective approaches to “what we think we know about typologies, technologies, criticality, and design,” and the exhibition “Inscriptions: Architecture Before Speech” questioned our understanding of contemporary practice.

Students studied the built environment on a variety of scales through core and option studios. Odile Decq offered an option studio that asked “why, where, and how people move on a global scale,” and Marina Tabassum led a housing studio in Bangladesh, asking what kind of residential structure students could design and build on a \$2,000 budget.



Khoa Vu MArch '19 works at his desk.

Architecture faculty received wide acclaim this year: Jorge Silvetti was awarded the 2018 AIA/ACSA Topaz Medallion for Architectural Education, considered the highest honor given to an educator in architecture, and Farshid Mousavvi MArch '91 was recognized with an Order of the British Empire award. The work of three assistant professors of architecture—Jon Lott MArch '05, Eric Höweler, and Andrew Holder—was among 10 projects honored by Progressive Architecture's 65th Annual Awards, and around Commencement the *Harvard Gazette* profiled Toshiko Mori alongside outgoing president Drew Faust as part of its "Experience" series on leaders at Harvard.

GSD alumni and architecture enthusiasts around the world were able to experience design through the HarvardX course orchestrated by K. Michael Hays, Eliot Noyes Professor of Architectural Theory and associate dean for academic affairs. Titled "The Architectural Imagination," the course was the GSD's first foray into the realm of massive open online courses (MOOC). The 10-module course was free and open to all, with an option to pursue a verified certificate for a fee. An impressive 107,000 students representing 208 countries and having a mean age of 27 enrolled in the course.

Undergraduate Architecture Studies Track

of Concentrators

16

The Undergraduate Architecture Studies track continued to thrive this year under the energetic leadership of Program Director Megan Panzano MArch '10. K. Michael Hays provided ongoing oversight for program, which he helped to initiate in 2013. Two undergraduate design studios that are central to this relatively new program—"Transformations" and "Connections"—were overenrolled, resulting in the largest class sizes to date.

As the program grows, Panzano and her team continue to develop new courses and market course offerings across the University to ensure that design education reaches the broadest Harvard undergraduate audience. A new website, which is scheduled to launch in the 2018–2019 academic year, will surely enhance access. In addition to the foundational design studios, an undergraduate senior seminar course will be offered for the first time in 2018. "Design Speculations" will focus on representation and making and is designed to be taken in parallel with senior thesis research or elective capstone projects.

Last fall, Panzano and instructor Lisa Haber-Thomson MArch '09, PhD '17 curated an exhibition of student models and renderings in Gund Hall, celebrating the creative work of our undergraduate designers and inspiring the entire Harvard community.



Micaela Rodriguez AB '20 (left), Rekha Auguste-Nelson AB '13, MArch '18 (Teaching Fellow, inside structure), and Gabe Martinez AB '18 (right) during the final review for the fall 2017 undergraduate design seminar "Tectonics Lab," led by Mark Mulligan MArch '90.

Department of Landscape Architecture

of Students

176

of First-Year Students

83

Under the steadfast leadership of Department Chair Anita Berrizbeitia MLA '87, the Department of Landscape Architecture maintained its #1 ranking in the *DesignIntelligence* survey of the best graduate landscape architecture programs. The leadership team, which includes Gareth Doherty DDes '10, who was appointed director of the Master in Landscape Architecture degree program at the start of the academic year, and Chris Reed, who serves as codirector of the Master of Landscape Architecture in Urban Design degree program, continues to assert the field's potential to shape and reshape our world. To support the program's enrollment growth, there are now 52 faculty in the Department of Landscape Architecture, made up of 24 ladder and multi-year faculty and 28 visiting critics. Recent promotions to associate professor include Silvia Benedito MAUD '04 and Jill Desimini, and Gary R. Hilderbrand MLA '85 was named the Peter Louis Hornbeck Professor in Practice of Landscape Architecture.

Steven Handel hands a piece of wildlife to Varat Lim MLA '19 during a field trip to Plum Island for the fall 2017 course "Ecologies, Techniques, Technologies III: Ecology and the Design World."



The Department is committed to exploring the role of science and research in the discipline and to developing climate change pedagogy that focuses on adaptation. The entire core sequence in landscape architecture is now permeated with issues related to the topic of climate change, from thermal control and comfort in urban landscapes to adaptation in coastal communities and on a territorial scale. The 2017–2018 option studios reflected this focus. A number of studios offered by the Department explored the adaptation of waterfront sites: Eelco Hooftman and Bridget Baines’s Mount Desert Island studio considered an island setting in Maine; Toru Mitani’s MLA ’87 studio focused on an ancient riverbed site in Tokyo; and a studio taught by James Lord MLA ’96 and Roderick Willey MLA ’96 reflected upon the decaying seawall in the San Francisco Bay.

The Department of Landscape Architecture also hosted lectures by three major international designers and two significant historians, and curated several innovative exhibitions in GSD galleries to elevate and enliven the ongoing discourse at the GSD about the role and reach of landscape architecture. The contributors included Teresa Moller of Santiago, Chile, who shared the impact of her simple, responsive forms on the South American landscape; renowned historian and critic Michael Jakob, who returned to the GSD from Geneva, Switzerland; and Aaron Sachs, who delivered the Frederick Law Olmsted Lecture. Finally, the School hosted a major exhibition by Japanese landscape architect Toru Mitani MLA ’87 entitled “Landscape: Fabric of Details,” which demonstrated the powerful impact of detail expression over vast landscape space.

As the reach and influence of the discipline expands, skills are increasingly essential. To this end, the Department introduced the first online course for entering MLA I students—a summer preparatory class that introduces them to visualization of landscape, basic grading, and orthographic projection before they begin their program of study at the GSD.

Department of Urban Planning and Design

of Students

172

of First-Year Students

84

Diane E. Davis continued to inspire students and colleagues to push the boundaries of the discipline, providing visionary leadership as chair of the Department of Urban Planning and Design (UPD). With support from Felipe Correa MAUD '03, director of the Master of Architecture in Urban Design degree program, Ann Forsyth, director of the Master in Urban Planning degree program, and Richard Peiser, who assisted while Forsyth was on sabbatical, the Department encouraged students and faculty to explore issues of mobility and infrastructure and perform humanitarian work related to global crisis. Following the departure of Correa to become Chair of Architecture at the University of Virginia School of Architecture, the Department was pleased to announce that former chair Rahul Mehrotra MAUD '88 would assume leadership of the MAUD degree program.

The Urban Planning and Design programs have grown considerably over the past decade. This larger cohort naturally exerts more influence across all programs—studios and research on cities are at an all-time high. Option studios investigated housing in Mumbai, sea level rise in San Francisco, and mass transit in Tallinn. Core studios stayed closer to home, taking on East Cambridge and Somerville as first-semester sites of investigation and working with the Lowell Department of Planning and Development during the second semester to identify ways to make the city more welcoming to immigrants and refugees.

New faculty led important initiatives on especially timely subjects, including mobility and just cities. Andres Sevtsuk shared the work of his “Future of Streets” project, which considers how cities might adapt streets to newly emerging technologies, with a larger audience during a keynote address at the

Strategic Visioning Workshop on Autonomous Vehicles in June. Toni L. Griffin LF '98 presented her work with the Just City Lab to a rapt audience at the Black in Design Conference and traveled to South Africa with students for a series of engagements related to her research, including a presentation at the Nelson Mandela Foundation.

Several long-standing UPD faculty members received well-deserved recognition: *The Harvard Crimson* honored Alex Kreiger MCPUD '77 as one of the University's "15 Professors of the Year"; Eve Blau was acknowledged by the Society of Architectural Historians for her outstanding work as an architectural historian; and Rahul Mehrotra's firm, RMA Architects, received a Special Mention at this year's Venice Biennale "for three projects that address issues of intimacy and empathy, gently diffusing social boundaries and hierarchies."

Deni Lopez MAUD '19, MDes '19 presents during the final review for the spring 2018 option studio "Extreme Urbanism," led by Rahul Mehrotra MAUD '87.



Master in Design Studies

of Students

170

The Master in Design Studies program continued to flourish and grow under the guidance of Program Director John May MArch '02. Ali Malkawi and Holly Samuelson MDes '09, DDes '13 assumed the roles of co-area heads of Energy and Environments; Charles Waldheim took over as area head of Urbanism, Landscape, Ecology; and Robert Pietrusko MArch '12 joined as one of three area heads for the Technology concentration.

of First-Year Students

76

Maintaining eight distinct and robust areas of concentration, the MDes program continues to attract a diverse and talented cohort of students interested in pursuing alternative specialization in design education. To provide more choice in course selection and improve the final-year thesis program, MDes was restructured slightly this year, formalizing the option to pursue either a three- or four-semester degree plan.

Areas of Concentration

Art, Design, and
the Public Domain

Critical Conservation

Energy and Environments

History and Philosophy
of Design

Real Estate and the
Built Environment

Risk and Resilience

Technology

Urbanism, Landscape, Ecology

MDes hosted lectures on a variety of topics. Among them: Alan Hess—an architect, critic, and historian of car culture and the American West—presented “A Martian’s Guide to Los Angeles”; Anne Whiston Spirn, a professor of landscape architecture at MIT, spoke on “Restoring Millcreek: Landscape Literacy, Environmental Justice, & Urban Design” as part of the Critical Conservation Colloquia; and Ann Lui and Mimi Zeiger, curators of the 2018 United States Pavilion at the Venice Biennale, presented their proposal “Dimensions of Citizenship,” which takes up the question of how architecture can promote or undermine our rights as citizens.



“WE ALL,” designed by Francisco Alarcon MDes '18, Carla Ferrer Llorca MDes '17, and Rudy Weissenberg MDes '18, debuted in September 2017 at The Grove in Allston.

On campus and around the world, MDes students and alumni are having an impact and attracting attention. “WE ALL,” a design-build installation by Francisco Alarcon MDes '18, Carla Ferrer Llorca MDes '17, and Rudy Weissenberg MDes '18, opened at The Grove, a green space in North Allston, drawing praise from people around the University. Two MDes thesis projects, one exploring human interaction and the other focused on artificial intelligence, were exhibited outside the dean's office in Gund Hall.



Right: Carla Saad MDE '19 (left) explains her project to MDE faculty Martin Bechthold DDes '01 (center) and Andrew Witt MDes '02, MArch '07 (right).

Bottom: The first class of MDE graduates. Back row (left to right): Ramon Gras, Julie Loiland, Jeremy Burke, Karen Su, Zeerak Ahmed, Peter Fan, Brian Ho. Front row (left to right): Chien-Min Lu, Chao Gu, Nicole Bakker, Michael Raspuzzi, Ngoc Doan, Santiago Mota, Neeti Nayak.



Design Engineering

of Students

31

of First-Year Students

17

Under the imaginative leadership of Program Codirectors Martin Bechthold DDes '01 and Woodward Yang (SEAS), the Master in Design Engineering (MDE) program graduated its first class of 14 students and published a provocative and forward-looking studio book entitled *Food Systems* this year. As the nascent collaborative degree program continued to evolve and refine its path forward, Andrew Witt MDes '02, March '07 joined the studio team and helped restructure the fall semester into a series of mini-projects that targeted specific skill sets, and Heather Boesch AB '02, March '09 of IDEO joined as an instructor during the spring semester. While second-year students worked independently on the program's first Independent Design Engineering Projects, which produced diverse content and drew upon expert reviewers from industry and a variety of Harvard schools, first-years worked collaboratively in the studio on projects in the health and aging space.

MDE brought some exciting new voices to campus to speak to the broader GSD community. Harry West of frog, a global design and innovation firm, spoke about the potential opportunities and unforeseen responsibilities of deploying artificial intelligence, and Yvonne Cagle, a NASA astronaut and senior flight surgeon, donned her official uniform to introduce NASA's projects in global mapping, sustainable energies, green initiatives, and disaster preparedness.

MDE students are benefiting from exposure to both GSD and SEAS campuses. First-year students work and study in Maxwell-Dworkin (SEAS) and second-year students in Gund Hall.

Doctoral Programs

of DDes Students

38

of First-Year DDes Students

8

of PhD Students

38

of First-Year PhD Students

5

Martin Bechthold DDes '01 continued as program director for the Doctor of Design (DDes) program, providing steadfast leadership to some of the GSD's most advanced design students. This year the DDes program launched two new initiatives that support students: "Alumni Encounters," which promotes and facilitates connections between DDes alumni and current students, allowing them to share their work, discuss career opportunities, and make valuable connections; and the DDes Research Grant program, which supports student research, fieldwork, and writing.



Justin Stern MUP '12, PhD '19 presents his talk "Global Outsourcing, Local Transformations: Business Process Outsourcing and Urban Restructuring in the Philippines" at the 2018 Harvard Horizons Symposium in Sanders Theatre.

In December, the School published *Design Thinking in the Digital Age*, the fifth title in the book series *The Incidents*, which chronicles Peter G. Rowe's lecture during the DDes 30th Anniversary Program in 2017. In February, Editors Mariano Gomez-Luque MArch '13, DDes '19 and Ghazal Jafari MDes '14, DDes '18 launched the release of *New Geographies 09: Posthuman* with a presentation in Loeb Library.

The leadership of Erika Naginski, program director for the Doctor of Philosophy (PhD) program, extends beyond Gund Hall—this year she played a significant role in a panel discussion organized by the Harvard University Committee on the Arts in conjunction with the Faculty of Arts and Sciences and the GSD, “On Monuments: Place, Time, and Memory,” which brought together scholars from across Harvard.

Two GSD PhD candidates, Justin Stern MUP '12, PhD '19 and Adam Tanaka PhD '18, were among eight Harvard students chosen to receive personalized mentorship around presentation skills as 2018 Harvard Horizons Scholars. Their selections mark the first time a GSD student has been honored by the program, which began in 2013. In conjunction with the Urban Theory Lab and the History/Theory Platform, the PhD program in Architecture, Landscape Architecture, and Urban Planning organized an April colloquium, “Territorializing the Urban, Urbanizing the Territory: New Research.”

Research



The Harvard Center for Green Buildings and Cities unveiled its much-anticipated “HouseZero” headquarters (above) in April.

At the GSD, research and teaching go hand in hand. Since the School formalized a more ambitious design research agenda nearly a decade ago, growth has been unprecedented; there are currently six design labs, two research centers, two research programs, and several active sponsored-research projects (plus any number of less formalized faculty research projects) under way at the School. Financial support for research programs at the GSD, from both philanthropy and sponsored grants, has grown in recent years—from \$500K in 2009 to \$7.5M last

academic year. This progress reflects the thoughtful leadership and strategic intent of Dean Mostafavi and Faculty Director of Research Antoine Picon, who are purposely increasing collaborative projects that engage expertise from the larger Harvard community, to conduct design research with real-world applications.

Research at the GSD is ever evolving; new inquiries are regularly being formalized into research projects. This year, GSD faculty presented work and launched inquiries around the globe. In January, Eve Blau, Robert Pietrusko MArch '12, and Eric Höweler collaborated on "Intermedia," a multi-city exhibition on urban studies that grew out of the Harvard-Mellon Urban Initiative project. In April, the Harvard Center for Green Buildings and Cities and Founding Director Ali Malkawi unveiled the much-anticipated "HouseZero" headquarters project, the retrofit of a 1940 stick framed residential structure into a data-absorbing, energy-producing living laboratory. In March, the GSD announced the launch of "The Future of the American City," a multi-year, multi-city research project in Miami supported by the Knight Foundation and others. And in December, "PULSUS," a collaborative project created by Cambridge-based INVIVIA and the GSD's Responsive Environments & Artifacts Lab (REAL) and led by Associate Professor Allen Sayegh MDes '96, was exhibited in New York City and at Gund Hall.

Students are increasingly engaged in design research. MDes and DDes students are regularly hired by design labs and research centers to support investigations in their particular areas of concentration. A cohort of student researchers assisted with an exhibition, "Design and the Just City," that asks whether design can have an impact on correcting urban injustice, inequality, and disparity.

Research Centers

| | |
|---|---|
| Harvard Center for Green Buildings and Cities | Aims to transform the building industry through a commitment to a design-centric strategy that directly links research outcomes to the development of new processes, systems, and products. |
| Harvard Joint Center for Housing Studies | Leading organization in the United States for research on housing. Advances the understanding of housing issues and informs policy through research, education, and public outreach programs. |

Design Labs

| | |
|---|--|
| Healthy Places Design Lab | Investigates how health is related to the places where people live and how to make places healthier. |
| City Form Lab | Develops new software tools for researching city form; applies cutting-edge spatial analysis and statistics to investigate how the physical pattern of urban development affects the quality of urban environments; and develops creative design and policy solutions for contemporary urban challenges. |
| Computational Geometry Lab | Engages with core questions of architectural geometry and computational design. |
| Just City Lab | Investigates the definition of urban justice and the just city, and examines how design and planning contribute to the conditions of justice and injustice in cities, neighborhoods, and the public realm. |
| Material Processes and Systems Group | Understands, develops, and deploys innovative technologies in the promotion of design as an agent of change in the quest for a better future. |
| Responsive Environments & Artifacts Lab | Takes an interdisciplinary look at the design of the physical environment with regard to technologically augmented experiences. |
| Social Agency Lab | Studies the ways in which individuals, institutions, and organizations shape social outcomes in cities. |

Programs & Initiatives

| | |
|---|--|
| Aga Khan Program for Islamic Architecture | Dedicated to the study of Islamic art and architecture, urbanism, landscape design, and conservation, and the application of that knowledge to contemporary design projects. |
| Ecological Urbanism Collaboration between the Graduate School of Design at Harvard University and Peking University | This endeavor takes the School one step further along in its mission to engage and collaborate globally by investigating urban challenges faced by three mid-sized cities. |

Programs & Initiatives (cont'd)

| | |
|--|--|
| Harvard Mellon Urban Initiative | Multi-year investigation of urban studies funded by the Mellon Foundation and directed toward establishing an interdisciplinary and coordinated study of urban environments in the humanities. |
| Office for Urbanization | Researches and addresses societal conditions associated with contemporary urbanization. |
| Transforming Urban Transport | Advances our knowledge of how, when, and where political leadership has been critical to the successful implementation of path-breaking transportation policies. |
| Zofnass Program for Sustainable Infrastructure | Develops and promotes methods, processes, and tools that quantify sustainability for infrastructure with the goal of facilitating the adoption of sustainable solutions. |



“PULSUS,” a collaborative project created by Cambridge-based INVIVIA and the GSD’s Responsive Environments & Artifacts Lab (REAL), was exhibited outside Gund Hall during the fall term.

Design Studios



Aga Khan Design Critic in Architecture Marina Tabassum (center) performs a desk crit with Jingyi Bi MArch '19 (left) and Zahra Safaverdi MArch '17, 2017 Irving Innovation Fellow (right), for the fall 2017 option studio "\$2,000 Home."

As the primary teaching method at the GSD since the School's inception, design studios offer students the opportunity to solve site-specific design problems, addressing a wide range of topics, contexts, and opportunities with direction from experienced critics.

This year's design studios were diverse and robust, promoting innovation and discovery for students across disciplines. In addition to core studios, which focus on design fundamentals, the GSD offered 40 elective option studios on a wide range of topics in contexts around the globe. Over half of the option studios investigated sites outside the United States.

While several related to issues prominent in the news cycle, considering topics from gentrification to disputed political borders and from affordable housing solutions to urban density, each approached its subject from a unique perspective. As global leaders debated disarmament, Niall Kirkwood, Jungyoon (Yuni) Kim MLA '00, and Yoonjin Park MLA '00 offered a landscape architecture studio to redefine the Korean Peninsula's Demilitarized Zone (DMZ).

Right: Gloria Chang MArch '19, MDes '19 presents during the final review for the fall 2017 option studio, "The Anatomy of an Island," led by Eelco Hooftman (third from left) and Bridget Baines.

Bottom: Students in the fall 2017 option studio "Tibet Contemporary: Building in the Himalayas," led by Zhang Ke MArch '98, tour a visitor center in Tibet designed by Ke's firm, ZAO/standardarchitecture.



**# of Students Enrolled in
Option Studios**

237

Fall 2017

245

Spring 2018

In the wake of Hurricanes Irma and Maria, Jeanne Gang MArch '93 led an option studio focused on the Caribbean islands of St. John and St. Thomas. In the shadow of ongoing social injustice, Toni L. Griffin LF '98 asked students to examine the city of St. Louis through the lens of social justice, asking "How can design and planning contribute to the conditions of justice and injustice in cities, neighborhoods, and the public realm?" As people all over the world face housing struggles, Marina Tabassum forced students to keep budget top of mind, asking "What kind of residential structure could be designed and built in the deltas of Bangladesh for \$2,000?"

**# of Option Studios Offered
in FY18**

40

This year's Studio Abroad program offered two options during the fall semester and two in the spring. Students traveled to Tokyo to study with Toyo Ito (fall), London to study with Hanif Kara (spring), and Rotterdam to study with Rem Koolhaas (offered both semesters). Studio Abroad students spend the entire semester abroad, immersed in their studios, two seminars, and an optional independent study.

Studio Travel in the Fall 2017 Semester

15

Traveling Studios

12

Students/Studio (approx.)

9

Total Countries

Studio Travel in the Spring 2018 Semester

15

Traveling Studios

12

Students/Studio (approx.)

13

Total Countries



Public Programs & Exhibitions

Piper Auditorium was transformed for a film screening and lecture by Rouse Visiting Artist Kahlil Joseph.

Public programs and exhibitions at the GSD continued to inspire, complementing our core curricula while providing important opportunities for exchange with the broader design community. This year’s Rouse Visiting Artist Program brought a diverse roster of speakers to Gund Hall, including Kahlil Joseph, Iwan Baan, James Welling, and Otobong Nkanga. The series concluded with a rare opportunity to hear fashion designer Raf Simons, and Los Angeles-based artist Sterling Ruby discuss their decade-long collaborative practice.

To commemorate the life and accomplishments of one of the most celebrated yet under-theorized architects of the 20th and early 21st centuries, the GSD community came together for “Rethinking Pei: A Centenary Symposium,” an event that examined the work and life of legendary architect I. M. Pei MArch ’46. The symposium brought his innovative



Jessica Morgan, director of the Dia Art Foundation, Sterling Ruby, Los Angeles-based artist, and fashion designer Raf Simons, during the last Rouse Visiting Artist Lecture of the academic year.

work back to the forefront, allowing faculty scholars to re-examine it and the next generation to be introduced to his genius. In the spring, the GSD welcomed an array of Harvard luminaries, including President Drew Faust, for an important and timely conversation by way of the symposium “On Monuments: Place, Time, and Memory.”

The first exhibition in the newly named Druker Design Gallery, “Inscriptions: Architecture Before Speech,” surveyed the landscape of contemporary architecture practice, presenting over 400 images and models from more than 100 design offices around the world. Fall 2017 main exhibitions, “Soft Thresholds” and “Landscape: Fabric of Details,” explored global themes, while the spring’s Platform exhibition “Live Feed” chronicled life at the GSD from a database of 117,518 crowd-sourced files.

Other exhibitions around the School and Harvard challenged our perceptions of the world around us. The Dean’s Wall featured inspiring work from recent graduates, including Irving Innovation Fellow in Architecture Zahra Safaverdi MARCH ’17, whose show “Inhabiting the Limbo” examined our understanding of space in a world increasingly dominated by virtual realities.

Fall 2017 Public Program

| | |
|------------|--|
| Aug. 31 | Rouse Visiting Artist Lecture: Luisa Lambri with Mark Lee |
| Sept. 5 | Screening: REM (2016), directed by Tomas Koolhaas |
| Sept. 6 | Exhibition Lecture: Rahul Mehrotra MAUD '87, "Soft Thresholds" |
| Sept. 12 | Rouse Visiting Artist Lecture: Iwan Baan |
| Sept. 14 | Chicago Architecture Biennial Symposium: "New Materialisms: Histories Make Practice Practices Make History" |
| Sept. 18 | Simon Allford: "Constructing the Idea: The Essential and the ExtraOrdinary" |
| Oct. 3 | Clare Lyster and Mason White |
| Oct. 5 | Sylvester Baxter Lecture: Teresa Moller, "A Moment of Silence" |
| Oct. 6-8 | Black in Design Conference 2017 |
| Oct. 12-13 | "Rethinking Pei: A Centenary Symposium" |
| Oct. 16 | Rouse Visiting Artist Lecture: Liam Gillick |
| Oct. 16 | Alumni Insights: Timothy Greer MArch '82, "Why Tear Down the Oldest Building on 5th Avenue?" |
| Oct. 17 | Richard Sennett, "The Open City" |
| Oct. 23 | Senior Loeb Scholar Lecture: Kenneth Frampton, "Megaform as Urban Landscape" |
| Oct. 24 | Senior Loeb Scholar Lecture: Silvia Kolbowski, "This Monument Which Is Not One" |
| Oct. 26 | Core Studio Public Lecture: Virgil Abloh, "Insert Complicated Title Here" |
| Oct. 26 | Odile Decq, "Architecture Thinking" |
| Oct. 30 | Anna Neimark and Andrew Atwood, "Working Buildings" |
| Oct. 31 | Daniel Urban Kiley Lecture: Toru Mitani MLA '87 |
| Nov. 2 | Open House Lecture: Patricia Urquiola, Margaret McCurry Lectureship in the Design Arts |
| Nov. 6 | Malkit Shoshan, "Border Ecologies" |
| Nov. 7 | Michelle Chang, "Songs You Know by Heart" |
| Nov. 7 | Eduard Sekler Memorial Lecture: Jorge Silvetti, "Architecture's Elusive Obsession and the Rituals of an Impasse" |
| Nov. 9 | Wheelwright Prize Lecture: Erik L'Heureux, "Hot & Wet" |
| Nov. 13 | Rouse Visiting Artist Lecture: James Welling, "Pathological Color" |
| Nov. 14 | Ronald Rael, "Borderwall as Architecture" |
| Nov. 16 | Michael Jakob, "Landscape Architecture and the 'New Generic'" |
| Nov. 27 | Harry West, "Servant or Svengali: Design, AI and CX" |
| Nov. 29 | Junya Ishigami |

Spring 2018 Public Program

| | |
|---------|---|
| Jan. 23 | Exhibition Lecture: K. Michael Hays and Andrew Holder, "Architecture Before Speech: A Conversation" |
| Jan. 25 | Rosa Sheng, "Why Equity Matters for Everyone: A New Value Proposition for Design" |
| Jan. 26 | Ken Yeang, "Ecoarchitecture and Ecomasterplanning: The Work of Ken Yeang" |
| Jan. 30 | Annabelle Selldorf |
| Feb. 1 | Rouse Visiting Artist Lecture: Sarah Oppenheimer, "FE_20180201" |
| Feb. 2 | Gerard & Kelly, "On Modern Living" |
| Feb. 9 | Kiley Fellow Lecture: Danielle Choi MLA '08 |
| Feb. 20 | Mayor Rahm Emanuel |
| Feb. 22 | Rouse Visiting Artist Lecture: Kahlil Joseph, "Gamma" |
| Feb. 27 | "On Monuments: Place, Time, and Memory" |
| Mar. 1 | Frederick Law Olmsted Lecture: Aaron Sachs, "A Common Treasury for All: Toward a Deeper History of Environmental Justice" |
| Mar. 2 | Mark Joseph and Amy Khare, "Succeeding Where Mixed-Income Transformation Falls Short: A Path to Equity and Inclusion in Our Cities" |
| Mar. 5 | Wheelwright Prize Finalist Presentations 2018 |
| Mar. 6 | Zhuang Weimin, "Lever Social Change in China through Design—Teaching, Research, and Practice" |
| Mar. 8 | Zhang Jian and Meng Yan, "Urban Coexistence: City upon the City" |
| Mar. 8 | Rouse Visiting Artist Lecture: Otobong Nkanga |
| Mar. 9 | Aga Khan Program Lecture: Samia Henni, "Designing for the 'Milieu Féminin': France's Attempts to Keep Algerian Women away from Islamic Customs" |
| Mar. 20 | Aga Khan Program Lecture: Suad Amiry, "Reclaiming Space: RIWAQ's 50 Villages Project in Rural Palestine" |
| Mar. 22 | Thomas Phifer, "Recent Work" |
| Mar. 27 | "The Camp and the City: Territories of Extraction" |
| Mar. 28 | Beatriz Colomina, "The Secret Life of Modern Architecture, or We Don't Need Another Hero" |
| Mar. 29 | Reinier de Graaf, "Phantom Urbanism" |
| Mar. 30 | Alumni Insights Lecture: David Mizan Hashim MARCH '86, "Experiments in Global Design Practice: The VERITAS Adventure" |
| Apr. 2 | Peter Märkli, "My Profession, the Art of Building" |
| Apr. 3 | Harvard "HouseZero" Typology Symposium |
| Apr. 5 | Open House Lecture: Jeanne Gang MARCH '93, "Thinking through Practice and Research" |
| Apr. 9 | Amanda Levete |

- Apr. 10 “Territorializing the Urban, Urbanizing the Territory: New Research” Colloquium
- Apr. 10 John T. Dunlop Lecture: Raphael W. Bostic, “Fair Housing in the U.S.: Past, Present, and Future?”
- Apr. 12 Eric Parry, “Webs, Plates, Fists, and Gloves: Designing with Metals in Architecture”
- Apr. 13 “Reframing Housing Development: How Changes in Design, Construction, and Regulation Could Reduce the Cost of Housing”
- Apr. 17 Henry N. Cobb AB '47, MArch '49, Peter Eisenman, and Rafael Moneo, “How Will Architecture Be Conceived?”
- Apr. 19 Yvonne Cagle
- Apr. 23 Rouse Visiting Artist Lecture: Raf Simons and Sterling Ruby with Jessica Morgan
- Apr. 24 Stig L. Andersson, “After Nature”



The Master in Design Engineering program brought Dr. Yvonne Cagle to the GSD to talk about her work as a NASA astronaut and family physician.

Druker Design Gallery

**Soft Thresholds: Projects of
RMA Architects, Mumbai**
Aug. 21–Oct. 15, 2017

**Inscriptions: Architecture
Before Speech**
Jan. 22–Mar. 11, 2018

Landscape: Fabric of Details
Oct. 30–Dec. 21, 2017

Live Feed: Platform 10
Mar. 26–May 11, 2018

Frances Loeb Library

**Portman's America &
Other Speculations**
Aug. 28–Oct. 22, 2017

Border Ecologies
Nov. 1–Dec. 21, 2017

**Feminine Power and
the Making of Modern
Architectural History**
*Organized by Harvard
Graduate School of Design*
Women in Design
Jan. 29–Mar. 18, 2018

Design for the Just City
Mar. 26–May 11, 2018

Experiments Wall

**Transformations +
Connections: Harvard
Undergraduate Architecture
Studies studio projects**
Aug. 25–Sept. 28, 2017

Real Talk
*Organized by Harvard
Graduate School of
Design African American
Student Union*
Oct. 5–Dec. 21, 2017

**Baroque Machinations
(2012–2017)**
Jan. 22–Mar. 11, 2018

**ULSAN REMADE:
Manufacturing the
Modern Industrial City:
The Case of Ulsan, Republic
of Korea**
Mar. 19–May 11, 2018

Dean's Wall
“A Spoon” and “Client ID”

Aug. 28–Oct. 15, 2017

**Global Energy Landscapes:
Evolutionary Process of
Infrastructures in New****Territories: The Patagonia
Case**

Jan. 22–Mar. 4, 2018

**“286 South” and the Essential
Role of Architects**

Oct. 23–Dec. 21, 2017

Inhabiting the Liminal Zone

Mar. 12–May 11, 2018

Campus Installations
“PULSUS”*Gund Hall*

Fall 2017

“WE ALL”

Harvard University

Allston Campus Installation

*The Grove, located at the
nexus of N. Harvard Street and
Western Avenue in Allston*

Ongoing

Curated by the GSD's K. Michael Hays and Andrew Holder, “Inscriptions: Architecture Before Speech” was the first exhibition to occupy the newly named Druker Design Gallery.

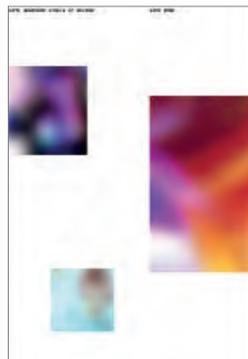
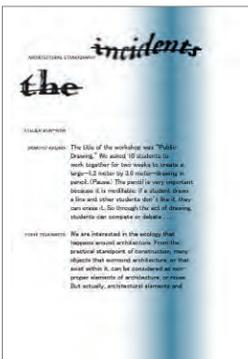
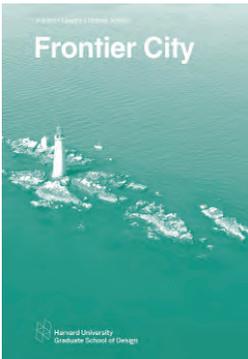
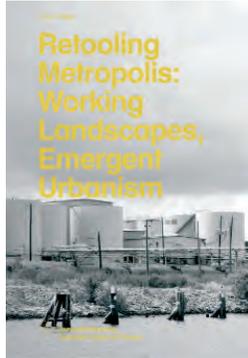
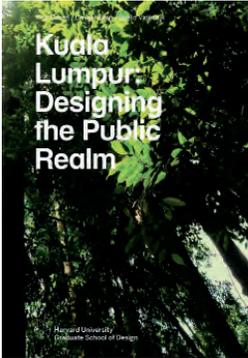




A powerful moment with Toni L. Griffin LF '98 during the 2017 Black in Design Conference, "Designing Resistance, Building Coalitions."



Publications



A sampling of publications from the 2017-2018 academic year.

From adolescence to climate change, from the future of work environments to the future of human existence, GSD publications tackled a range of topics in 11 new releases. At the start of the year, *Metropolis* magazine included three GSD publications among its “25 Architecture and Design Books to Read This Fall,” an annual feature. The books spanned the publications department’s diverse output, including *Retooling Metropolis* from the Studio Reports series, Atelier Bow-Wow’s *The Incidents: Architectural Ethnography*, and a provocative book on the work of John C. Portman, Jr.

Harvard Design Magazine released two issues, both of which featured contributions by noted critics and theorists across the design field. “Seventeen,” the Fall/Winter issue, explored what it means to be 17 in 2017 and the impact on teens of all sorts, while “Into the Woods,” the Spring/Summer issue, took a multidisciplinary but design-interested approach to the theme of “wood and the woods.”

Platform—our annual compendium of select student work, events, lectures, and exhibitions—celebrated its 10th year with the issue “Live Feed.” Compiled from a database of 117,518 crowd-sourced files, the book confronted what it means to document life in the 21st century. A corresponding exhibition was mounted in the Druker Design Gallery in the spring of 2018.

Designer Virgil Abloh hand draws a series of unique book covers that were live printed during the Venice Architecture Biennale launch of “Insert Complicated Title Here,” the sixth title in The Incidents series. The book features a core studio public lecture delivered by Abloh in the fall of 2017.





Philanthropic Support

Guests applaud the closing of the Grounded Visionaries campaign at the Accomplished Ambition Campaign Celebration.



Over the past four years, the Grounded Visionaries campaign has brought together thousands of people from around the world who care deeply about the GSD—from students, faculty, and alumni to donors, collaborators, and friends. The Campaign outlined a bold and ambitious vision for the GSD—to create a more humane and beautiful world. Through over 150 events in places including Hong Kong, Chicago, Miami, London, and New York, alumni and friends gathered to hear the School’s vision for itself and for the future of design education. Their excitement galvanized support from their peers. With the successful conclusion of the Campaign on June 30, 2018, the GSD is thinking openly about the fundamentals: the future practices of design pedagogy, their integration into research in the sciences and the arts, and their impact on practitioners working at all scales of the built environment.

Highlights of the final year of the Campaign include a historic gift from Ronald M. Druker LF ’76 and the Bertram A. and Ronald M. Druker Charitable Foundation, as well as significant and impactful support for key Campaign priorities. In recognition of the largest single gift from an individual in the School’s history, the GSD named its primary exhibition gallery the Druker Design Gallery. The gift provided the necessary seed funding to launch an ambitious renewal and building expansion of Gund Hall, designed to support work in design innovation. Thanks to the generosity of donors worldwide, support for student financial aid grew in the final year of the Campaign—a total of nine new fellowships and financial aid funds will empower GSD students through better access to innovative design education.

Gifts directed to faculty are supporting the thought leaders who provide the intellectual underpinnings of our cutting-edge pedagogy and research. The Joe Brown MLAUD ’72 and Jacinta McCann Fund for

**# of Alumni & Friends Donors
to Annual Giving Funds**

1,075

Faculty Research is aiding new and ongoing research projects by junior landscape and urban design faculty, and the Daniel L. Schodek Fund for Research in Design Technology, a gift from Kay Schodek in memory of her late husband, is supporting research in design technology with a focus on the Laboratory for Design Technologies.

**# of New Members Who
Joined the Josep Lluís Sert
Council with Sert-Level Gifts**

110

Funds raised through the Campaign extended far beyond the Harvard University campus, as donations helped expand the GSD's domestic and global reach. The John S. and James L. Knight Foundation is supporting urban research in Miami and Miami Beach to better understand the cities' opportunities and challenges and launch a multi-year study of building solutions shaped by residents as part of the School's "The Future of the American City" effort. In Arles, France, a gift from the LUMA Foundations for the Landscape and Ecology Research Series is supporting the investigation of innovative landscapes.

**# of Donors Who Renewed
Their Gifts in FY18**

641

April brought many Campaign milestones. Nearly 200 alumni, faculty, friends, staff, and students gathered to celebrate the successful and powerful impact of the GSD's Campaign at the Accomplished Ambition event. The theme of the celebration captured the enduring spirit of duality, looking back to recognize donors and celebrate their contributions while looking ahead to the GSD's bright future. Presentations from six junior faculty members gave a powerful glimpse into the remarkable minds that comprise the next generation of GSD faculty. Harvard University President Drew Faust toasted alumni and friends during her remarks on Campaign achievements. Also in April was the announcement of the Rome Travel Fund in honor of Rafael Moneo, the first Josep Lluís Sert Professor of Architecture, made possible by the generosity of Seng Kuan AB '98, MUP '04, PhD '11 and Angela Y. Pang MArch '02. The Fund will provide a financial award to allow deserving master in architecture students in their second year of study to travel to Rome. The inaugural winner of the prize is Kaoru Lovett MArch '20, who will spend the summer of 2019 living and studying in Rome.

**# of Graduating Students
Who Donated to the Give
\$20.18 Campaign**

51

GSD 2017-2018

\$48,660

Tuition

\$74,574

Total Cost with Expenses

Cost of a Four-Year Education
at the GSD

~\$300K

of Students Who Benefited
from Financial Aid in FY18

670

of New Student Fellowships
Established in FY18

9



Top: Lionel Spiro AB '60, March '63 and William Baumgardner MLA '18, the 2017-2018 Spiro Fellow, at the Accomplished Ambition Campaign Celebration.

Bottom: Matthew Kiefer LF '96, Leah Pickett MUP '18, the 2017-2018 recipient of the James G. Stockard, Jr. MCP '68, LF '78 Fellowship Fund, and Edward McNamara LF '95 at the Accomplished Ambition Campaign Celebration.

Top: *Mohsen Mostafavi (back to camera), dean and Alexander and Victoria Wiley Professor of Design, addresses the crowd at the 2017 Reunion attended by classes ending in 2 and 7.*



Bottom: *David Gamble MAUD '97 (far left), lecturer in urban planning and design, speaks as part of the Alumni Panel at the 2017 Reunion.*





Alumni

The GSD alumni community is emblematic of the value of design education and its increasing relevance in a growing array of tangential and nontraditional professions. A comprehensive survey of alumni completed in the spring shed light on alumni career paths and their impacts in a range of areas. The Alumni Research Initiative obtained detailed feedback from over 3,000 alumni about their professional trajectories and their numerous professional and volunteer contributions to the built environment and community development. Overall, GSD alumni remain highly productive in design and planning fields: 83 percent are creating built projects and 70 percent are generating master plans or city plans through

professional or volunteer work. Beyond professional practice, they are driven to give back as active volunteers in their communities; many are invested in social impact, the seeds of which were often sown at the GSD. Connections made at the GSD can be fruitful throughout one's lifetime—44 percent of organizations established by GSD alumni began with ideas developed, research conducted, or personal connections made while at the School.

Twenty-five events with nearly 1,000 alumni in attendance were hosted by the GSD and Alumni Council members in the past year, including Reunion, the AMDP Alumni Program, and gatherings at professional receptions in conjunction with AIA, ASLA, ACSA, and ULI. Furthermore, 14 Ambassador events hosted by Alumni Council members and other organizers engaged a broad spectrum of GSD alumni in a wide range of community-building activities. In Seattle, incoming Alumni Council members Ana Maria Pinto da Silva MDes '05 and Sara Zewde MLA '15 hosted a wine tasting along with Rick Krochalis MCRP '78; Pinto da Silva also hosted a talk and reception at Amazon's South Lake Union campus to welcome Professor Richard Peiser and GSD students. In San Francisco, Bryan Shiles MArch '87 assembled alumni for the time-honored tradition of Beer 'n' Dogs along with mayoral candidate Jane Kim. Alumni Council Chair Allyson Mendenhall AB '90, MLA '99 and Mark Johnson MLAUD '82 brought alumni together in Denver with a city councilman whose district has been heavily impacted by change. Convening Canadian alumni Meg Graham MDes '03 and Hunter Tura MArch '00 hosted an event in Toronto with Markus Schaefer MArch '98 to learn about the work of the "Industrious City" option studio. In the South, Paris Rutherford MAUD '93 continued his illuminating hard-hat tour series in Rowlett, Texas, and at Reggie Graham's MArch '78 development on the east side of Downtown Dallas, where Graham co-hosted. Jaya Kader MArch '88 arranged two opportunities for alumni to tour DesignMiami/, including an exclusive opportunity with Rodman Primack, chief creative officer of



Fallon Aidoo PhD '17, Courtney Sharpe MUP '16, and David Henning MUP '15 at the GSD 2018 APA reception in New Orleans.

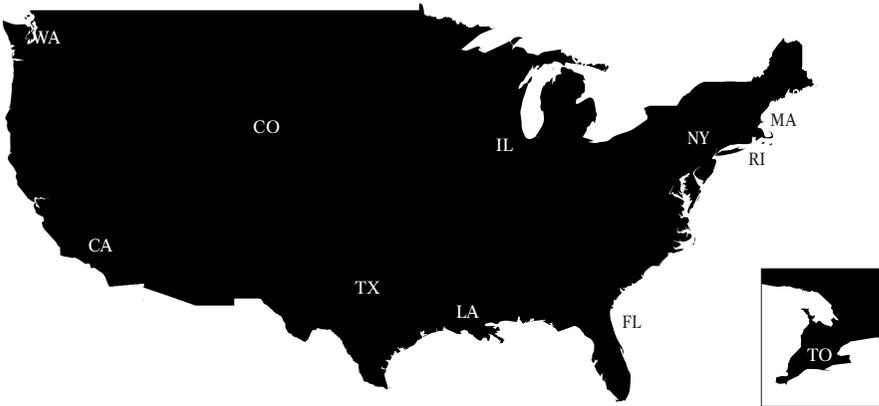
DesignMiami/; and Frank Christopher Lee MAUD '79 and Kristina Yu MARCH '95 hosted a meetup at the National Council of Architectural Registration Boards Summit in Chicago. On the East Coast, Trevor Johnson MUP '14 and Stephany Lin AB '11, MUP '16 orchestrated a planning get-together in New York, and Collette Creppell AB '82, MARCH '90, Almin Pršić MARCH '10, and Cara Liberatore MARCH '12 assembled alumni in Providence for a conversation on the future of housing. Closest to the GSD's backyard, Mark Favermann MCRP '78 brought alumni together to consider transportation planning for the Allston, Massachusetts Landing Interchange.

The GSD continues to be well represented on the Harvard Alumni Association's board of directors. Allyson Mendenhall AB '90, MLA '99 and Jennifer Luce MDes '94 served as appointed directors for the GSD, with Mendenhall also serving as co-chair of volunteer leadership, and Collette Creppell AB '82, MARCH '90 was elected one of the six Harvard Alumni Association Elected Directors in the spring 2018 Alumni Election for Elected Directors and Overseers—the first GSD alum to be elected to this role! She will serve in this office from July 1, 2018 to June 30, 2021.

of Alums Who Attended Alumni Events in FY18

988 Alums at **25** Alumni Events

Locations of Alumni Events in FY18



- | | |
|-----------------|-------------------|
| Boston, MA | New Orleans, LA |
| Chicago, IL | New York, NY |
| Dallas, TX | Providence, RI |
| Denver, CO | San Francisco, CA |
| Los Angeles, CA | Seattle, WA |
| Miami, FL | Toronto, CANADA |

of Student/Alumni Participants in Alumni Council Student Alumni XChange Committee Events

27 Students **248** Alumni Council Members and Alumni

Loeb Fellows



The 2018 Loeb Fellows (left to right): Matthew Mazzotta, Eric Williams, Surella Segu, James Shen, Andrew Freear, Shancy Peña-Gómez, Samuel Bonnet, Tau Tavengwa, and Johanna Gilligan.

Under the direction of Loeb Curator John Peterson LF '06, the Loeb Fellowship at the GSD has become increasingly international and diverse, welcoming fellows from five countries, including four from various regions within the U.S., to explore a diversity of topics—from housing and food production to the intersection of public art and activism. This past academic year, the Fellowship hosted nine new fellows and two Senior Loeb Scholars—architectural historian and critic Kenneth Frampton and artist Silvia Kolbowski—who brought their unique perspectives to the table.

The Loeb Fellowship serves an increasingly important role at the GSD, bringing in people who expand the School's breadth of experience and promote intellectual curiosity by exploring the timely, complex, and sometimes controversial social challenges that our communities face today. In the tradition of the 48-year-old program, last year's cohort spent the year in residence at the GSD, exploring all that the University has to offer. While here, Loeb Fellows learn, challenge assumptions, and convene, always eager to engage and broaden their impact.

Fellows sponsored several impactful events on campus, including a powerful day of discourse in which both current and past fellows joined forces with the Joint Center for Housing Studies to sponsor "Reframing Housing Development: How Changes in Design, Construction, and Regulation Could Reduce the Cost of Housing" and an installation in Harvard Yard that was part of the University's Arts First Festival and featured the Plugin House, a collaborative project by two fellows reflecting their work in affordable housing and community engagement.

Further afield, the dramatic cityscape of Chicago was the backdrop for this year's Loeb Study Tour, bringing the current class of fellows together with more than 50 alumni for discussions, networking, tours, and a deeper understanding of the city. Happily, the event coincided with the opening of the 2017 Chicago Biennial, the largest architecture and design exhibition in North America, offering a window on design thinking and placemaking around the world. In the spring, fellows accompanied an urban design studio led by Rahul Mehrotra to Mumbai to experience first hand the challenges of what Mehrotra calls "extreme urbanism." Alongside students and faculty, the fellows experienced the housing challenges facing Mumbai, where 40 percent of residents live in slums.

Design Discovery

Age Range

18-53

Design Discovery, a six-week summer program at the GSD, welcomed 241 students, ranging from college graduates to seasoned professionals, for its 2018 program. The program appeals to people with a broad spectrum of interests and remarkably diverse plans and goals; enrollment has been growing in recent years. Through a rebranding effort, Design Discovery launched its new name (formerly Career Discovery) and a social media campaign to promote the program.

of States Represented in the Student Body

37

Program leadership include Jeff Klug, who served as faculty director, and three coordinating faculty: Danielle Choi MLA '08, Jenny French MArch '11, and Stephen Gray MAUD '08. Twenty-four recent graduates and high-performing current students served as studio instructors.

of Countries Represented in the Student Body

16

The dominant pedagogical theme of Design Discovery was collaboration, both within a discipline and across disciplines. Identifying the tools of successful collaboration, developing a common vocabulary, focusing on the operative ideas of a project, and embracing an alternate viewpoint as a point of departure were leitmotifs in many studio discussions. One outcome was a large analytical model of Boston and Cambridge above the MBTA Red Line, a collaboration between landscape architecture and urban planning and Design students and among all small Design Discovery groups.

Executive Education



Top: *Advanced Management Development Program (AMDP) Class XVII on graduation day.*

Bottom: *Executive Education students on Level 112 of the Burj Khalifa, Dubai, United Arab Emirates.*

**# of International
Participants**

539

Executive Education had a bumper year, with strong growth across programs: a booming Advanced Management Development Program; a new, customized program for a large Chinese real estate company, jointly offered with Harvard Business School; and new programs on future cities launched in the United Arab Emirates for both government and the private sector. Our enrollment reflects our international reach and strong domestic base—more than a third of program participants come from cities in the United States.

of Countries Represented

69

This year, our knowledge areas expanded and diversified to stay abreast of many game-changing technologies and innovations in the urban design, real estate, and city development spaces, mining the fertile intersections between disciplines. Our future-oriented work has impacted cities worldwide as our senior professionals have learned and deployed lessons on distributed energy systems and walkable cities, blockchain-based real estate investments and redesigned affordable housing, the latest versions of green, healthy buildings, and new collaborative forms of cultural master planning. The list of the needs of professionals and the innovations in the market space keeps growing.

Total # of Participants

850

**% of International
Participants**

63%

As cities around the globe continue to grow, plans for economically viable, beautiful, sustainable, and healthy cities are in rising demand. GSD Executive Education is well poised to help shape urban growth in the century ahead as it continues to build bridges between the GSD's knowledge and the world's immense needs.

% of Domestic Participants

37%

of Programs

27

Library



Curated by Toni L. Griffin LF'98, the "Design and the Just City" exhibition transformed the library with a multimedia presentation of research from the Just City Lab.

The Frances Loeb Library continues to reposition itself as a 21st-century library, offering physical, digital, and instructional resources that support the research of students, faculty, and scholars from the GSD and around the world. A newly drafted three-year strategic plan reinforces this ongoing transformation. To support the 24/7 nature of architectural education, the Library provided 24-hour access to the upper level during a trial period this spring. Students leaped at the chance to use the Library and its vast resources late into the night—over 1,000 visitors took advantage of evening hours in just one month's time. As a result, the Library will remain open 24/7 during the academic year.

of Questions Answered at
Service Desk

863

Library acquisitions this year included several significant physical archives, including drawings, papers, and historical texts that expand the rare book archive. One work by Leon Battista Alberti dates back to 1541. In the interest of making these international treasures available to a wider audience, Library Director Ann Whiteside will use an Institute of Museum and Library Services National Forum grant to study the issue of the preservation of digital architectural documentation.

of Electronically Received
and Answered Questions

705

A hub of inquiry and research for the entire GSD community, the Library hosts a series of annual exhibitions on the Sarah and Rolando Uziel AB '57 Exhibition Wall that chronicle and celebrate student, faculty, and alumni work. This year, the exhibitions included "Feminine Power and the Making of Architectural History," curated by the Women in Design student group with oversight from Special

of Support Consultations
for Course Websites

1,147

Gate Count

of Research Class Sessions

99

201,331

of Volumes

of Research Class Attendees

3,607

297,956

of Research Consultation
Sessions

2,479

of Volumes Added FY18

14,956

Collections Archivist and Reference Librarian Ines Zaldueño MArch '95, and “Design and the Just City,” curated by planning professor Toni L. Griffin LF '98.

To ensure that the space offers an appealing study environment, the Library continues to make physical improvements. This year, the upper-level lounge was made more inviting with the addition of new tables, chairs, and soft seating, and new carpet freshened up the lower level. As part of the effort to create a 21st-century library, traditional library staff and Computer Resources Group staff now share a common open-plan office that promotes synergies and discourse as these two groups increasingly collaborate.

Photographs by Iwan Baan from the book Portman's America: & Other Speculations, edited by Dean Mostafavi, were featured in a fall 2017 Loeb Library exhibition.



Financial



The fall 2017 main exhibition "Soft Thresholds: Projects of RMA Architects, Mumbai," curated by Rahul Mehrotra MAUD '87.

Financial Overview

Consistent with recent years, the GSD saw a modest operating surplus of \$2.3M for fiscal 2018. The year also marked the end of a successful five-year Capital Campaign in which the GSD raised more than \$160M. Funds raised are supporting existing priorities and have also launched new initiatives, positioning the School well for the future. FY18 activities made possible through donor support include:

- Opening “HouseZero,” headquarters for the Center for Green Buildings and Cities, which retrofitted a pre-1940s wood frame house as a test case to achieve unprecedented levels of building efficiency
- Unveiling of the Druker Design Gallery in Gund Hall
- Establishing new financial aid fellowships for students
- Purchasing new model-building equipment for the Fabrication Lab
- Continuing the Irving Innovation Fellowship program
- Growing the Office for Urbanization’s research portfolio
- Continued academic activities at the Philip Johnson Thesis House and Wimbledon House

Revenue

The GSD is excited about and thankful for the investments made by our generous donor community, and we look forward to continuing the Campaign’s momentum.

Net revenue grew by \$3.4M over the prior year, reaching a total of \$64.5M. Tuition delivered an additional \$2.3M in FY18, as enrollment ticked up in several programs due to strong yields; moreover, the Masters in Design Engineering program entered its second year, with two full cohorts enrolled for the first

time. Although sponsored research funding declined by \$0.4M as existing projects reached completion, several new research proposals have received gift funding. Overall, current use gifts grew by nearly \$1M, reaching \$8.7M in the final drive of the Campaign. Higher demand for Executive Education and the newly rebranded Design Discovery summer program added \$0.3M. The annual endowment distribution, which accounts for about a third of GSD revenues, increased by \$0.6M.

Expenses

Supported by the Campaign, the GSD increased spending in FY18, with total expenses growing by \$5.4M to \$62.2M. The GSD awarded \$1.7M more in financial aid, in part due to enrollment trends but also because of generous donor-funded fellowships and support for study abroad. Ramping up new initiatives related to the Campaign required investment in additional infrastructure. Personnel costs accounted for \$1.7M, including new staff to support expansion, annual cost of living increases, and the filling of vacant positions. Equipment and furniture, including investments in the Fabrication Lab and Loeb Library, added \$0.5M. Additionally, facilities operation, maintenance, and repair costs, particularly in Gund Hall, led to a \$0.7M increase in space-related outlays.

Future

Looking ahead, continued donor support of the GSD is as critical now as ever, especially as the School tries to ease its space constraints and redefine its campus. Starting in FY19, the GSD has leased additional studio and office space from the University in the iconic Sackler Building, which is located across the street from Gund Hall and has recently been renovated to GSD specifications. Aspiring to more transformational space improvements, the School plans to expand Gund Hall itself, and the architectural firm Herzog & de Meuron was chosen as the design consultant for the proposed renovation, with Beyer Blinder Belle acting as architect of record. This project would mark an important, bold step forward for the GSD—one that will only be possible through the generosity of our donors.

Harvard Graduate School of Design
Statement of Activity
Fiscal Year Ending June 30, 2018

| | FY18 | | |
|---|--------------|-------------|-------------|
| | Unrestricted | Restricted | Total |
| Revenue (in millions) | | | |
| Graduation Tuition and Fees | 39.5 | 0.0 | 39.5 |
| <i>Less: Financial Aid</i> | (10.4) | (5.1) | (15.5) |
| Net Tuition | 29.2 | (5.1) | 24.0 |
| Continuing and Executive Ed. Tuition and Fees | 2.7 | 0.0 | 2.7 |
| Federal Sponsored Programs | 0.0 | 0.4 | 0.4 |
| Non-Federal Sponsored Programs | 0.0 | 1.0 | 1.0 |
| Total Sponsored Support | 0.0 | 1.4 | 1.4 |
| Current-Use Gifts | 0.0 | 8.7 | 8.7 |
| Endowment Distribution | 8.7 | 12.4 | 21.1 |
| Other Income | 3.4 | 3.2 | 6.6 |
| Total Revenue | 41.8 | 20.5 | 64.5 |
| Expense | | | |
| Salaries and Wages | 18.6 | 8.0 | 26.5 |
| Employee Benefits | 6.0 | 1.8 | 7.8 |
| Scholarships, Prizes, and Awards | 0.6 | 2.0 | 2.5 |
| Supplies and Equipment | 1.4 | 0.7 | 2.2 |
| Space and Occupancy | 4.4 | 0.8 | 5.2 |
| Services Purchased | 6.6 | 1.4 | 8.0 |
| Travel | 1.9 | 1.6 | 3.4 |
| University Assessment | 1.9 | 0.0 | 1.9 |
| Other | 0.8 | 2.3 | 3.0 |
| Total Expense | 42.0 | 18.5 | 60.5 |
| Operating Result | 2.0 | 2.0 | 4.0 |
| <i>Less: Depreciation</i> | 1.6 | 0.0 | 1.6 |
| Adjusted "GAAP" Operating Result | 0.4 | 2.0 | 2.3 |

| | FY17 | | |
|--------------|-------------|-------------|--|
| Unrestricted | Restricted | Total | |
| 37.2 | 0.0 | 37.2 | |
| (9.6) | (5.0) | (14.6) | |
| 27.7 | (5.0) | 22.7 | |
| 2.4 | 0.0 | 2.4 | |
| 0.0 | 0.3 | 0.3 | |
| 0.0 | 1.5 | 1.5 | |
| 0.0 | 1.8 | 1.8 | |
| 0.0 | 7.7 | 7.7 | |
| 8.6 | 11.9 | 20.5 | |
| 3.1 | 2.9 | 6.0 | |
| 41.8 | 19.2 | 61.1 | |
| <hr/> | | | |
| 16.7 | 8.6 | 25.2 | |
| 5.4 | 2.0 | 7.3 | |
| 0.3 | 1.4 | 1.8 | |
| 1.1 | 0.7 | 1.7 | |
| 3.7 | 0.8 | 4.5 | |
| 5.8 | 1.1 | 6.9 | |
| 1.7 | 1.3 | 3.0 | |
| 1.9 | 0.0 | 1.9 | |
| 1.5 | 1.4 | 2.9 | |
| 37.9 | 17.3 | 55.1 | |
| <hr/> | | | |
| 3.9 | 2.0 | 5.9 | |
| 1.5 | 0.0 | 1.5 | |
| <hr/> | | | |
| 2.4 | 2.0 | 4.4 | |



Detail from the exhibition "Inhabiting the Limbo," featuring work by Irving Innovation Fellow Zahra Safaverdi MArch '17, presented on the Dean's Wall.

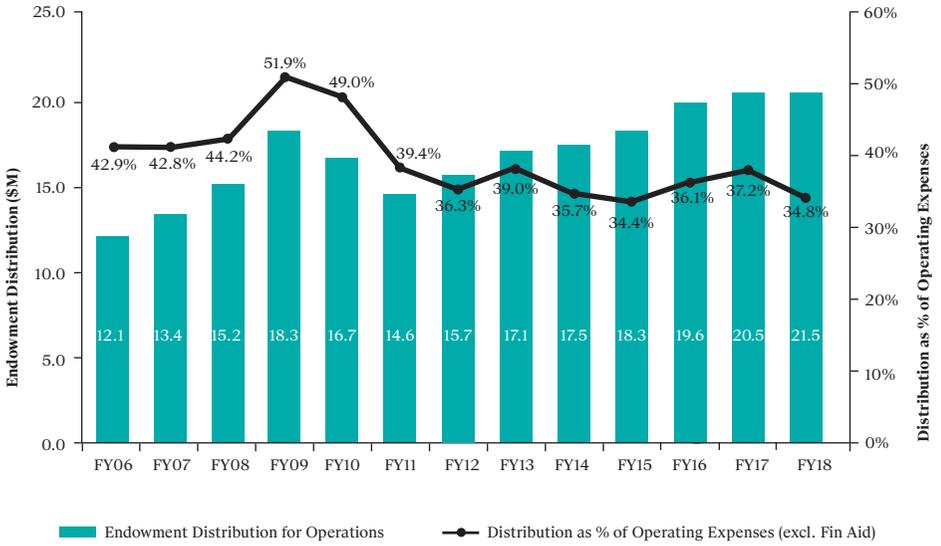
Harvard Graduate School of Design
Consolidated Balance Sheet
Fiscal Year Ending June 30, 2018

| Assets (in millions) | FY18 | FY17 |
|--|--------------|--------------|
| Deposits with the University | 40.6 | 40.0 |
| Receivables | | |
| Student Receivables | 0.5 | 0.4 |
| Other Receivables | 0.0 | (0.1) |
| Prepayments and Deferred Charges | 0.1 | 0.0 |
| Notes Receivable | 5.0 | 5.1 |
| Pledges Receivable | 56.6 | 46.3 |
| Fixed Assets (net of accumulated depreciation) | 39.3 | 33.8 |
| Long-Term Investments (primarily endowment) | 480.1 | 455.0 |
| Total Assets | 622.1 | 580.4 |

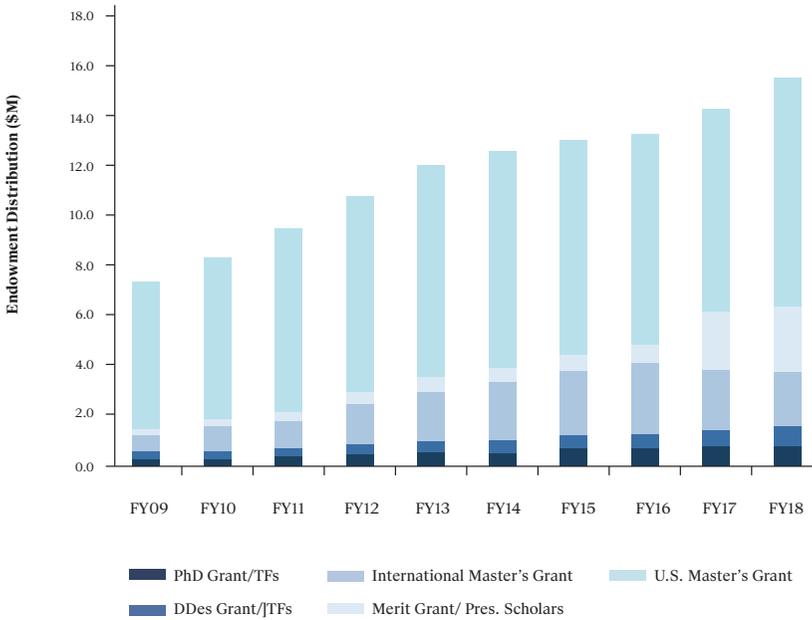
| Liabilities | | |
|--|-------------|-------------|
| Accrued Expenses | 0.8 | 0.1 |
| Deferred Revenue and Other Liabilities | 3.3 | 2.8 |
| Internal Debt Obligations | 21.5 | 20.7 |
| Total Liabilities | 25.6 | 23.5 |

| Composition of Net Assets | | |
|--|--------------|--------------|
| Unrestricted Reserves | 10.7 | 9.5 |
| Restricted Reserves | 23.7 | 19.8 |
| Undistributed Income and Other | 1.3 | 7.0 |
| Pledge Balances | 37.1 | 26.4 |
| Student Loan Funds | 1.1 | 1.1 |
| Investment in Fixed Assets | 22.9 | 18.3 |
| Endowment and Other Invested Funds | 480.1 | 455.0 |
| Endowment Pledges | 19.4 | 19.8 |
| Total Assets Net of Liabilities | 596.4 | 556.9 |

Endowment Distribution and Distribution as % of Operating Expenses (excl. Fin. Aid)



Financial Aid Grants by Source



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Credits:

Jenn Alton: Pages 44, 47 (bottom)

Josh Brasted: Page 51

Chris Combes: Page 56 (bottom)

Giorgio De Vecchi: Page 43

Michael Grimm: Page 26

Benjamin Hait: Page 11

Maggie Janik: Pages 0, 2 (bottom), 6 (top), 12 (top), 14, 15, 16, 30, 31 (top), 34, 53

Anita Kan: Pages 12 (bottom), 22 (bottom)

Justin Knight: Pages 7, 19, 21, 22 (top), 29, 39, 47 (top), 48 (top and bottom), 56 (top), 58, 60, 61, 65

Dinesh Mehta: Page 3

Tony Rinaldo: Page 24

Morgan Starkey: Page 31 (bottom)

Katherine Taylor: Page 6 (bottom)

Zara Tzanev: Pages 2 (top), 9, 33, 37, 40-41

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