

Dean, School of Architecture and Planning

The School of Architecture and Planning is composed of five main divisions:

- The Department of Architecture, the first such department in the nation (1865), which came to be known as a leader in introducing modernism to America
- The Department of Urban Studies and Planning (DUSP), which began as the Program in City Planning in 1932, was the second of its kind in the country, and has evolved into the longest continuous planning program in the United States
- The Media Laboratory, the birthplace of multimedia computing (1985), which has come to be known around the world as a world-class incubator of new design ideas
- The Center for Real Estate, which established the nation's first one-year graduate program in real estate development (1984), becoming recognized worldwide as a leader in the field
- The Program in Art, Culture and Technology (ACT) (2010), which was the result of a merger between the academic Visual Arts Program (1989) and the Center for Advanced Visual Studies (CAVS) (1967), a research program in visual arts

The unifying theme of all of our activities is design. Through the design of physical spaces, and through the design of policies and technologies that shape how those spaces are used, we aim to sustain and enhance the quality of the human environment at all scales, from the personal to the global.

What follows are some of the highlights from the year. For more information, consult the divisions' individual reports.

Campus-Wide Activities

The School of Architecture and Planning (SAP) played a leading role in MIT's 150th anniversary celebration this year.

Most prominently, our people played key roles in organizing and producing the MIT Festival of Art, Science, and Technology (FAST) under the direction of Tod Machover of the Media Lab, who headed the interdisciplinary organizing committee. FAST presented a wide range of work over the entire spring semester, including symposia, exhibits, concerts, forums, plays and the US premiere of Machover's visionary opera *Death and the Powers*.

A central part of the festival was a series of more than 20 architectural installations and multimedia public artworks, all of them conceived, created, and produced by students and faculty from the School of Architecture and Planning. The series of installations was curated by Machover with architecture professor Meejin Yoon, working with Leila Kinney, MIT's director of Arts Initiatives, and producer Meg Rotzel from the Office of the Arts. [Photos](#), a [slideshow](#) and [videos](#) from FAST are available online.

FAST also featured a pair of exhibits at the List Visual Arts Center (LVAC) exploring the work of two artists who were fellows at the School of Architecture and Planning's Center for Advanced Visual Studies, a precursor to the current Program in Art, Culture and Technology. *The Culture Intercom* exhibited work by media art pioneer Stan VanDerBeek (1927–1984), a research fellow at the center from 1969 to 1971, and a second solo exhibit featured Chilean-born video artist Juan Downey (1940–1993), a research fellow at the center in 1973 and 1975.

In addition to the LVAC exhibits, SAP was well represented in the MIT150 exhibit at the MIT Museum.

Another contribution to the MIT150 celebration was the Lobby 7 Design Competition organized by associate dean Mark Jarzombek, who also chaired the jury. The contest challenged students in all departments to come up with ideas for filling the four empty plinths in Lobby 7. The competition received 54 entries from across the Institute, 14 of which were chosen as finalists and included in an exhibit in SAP's Wolk Gallery; the six winners were presented with a total of \$27K in prizes from MIT's Class of 1954, sponsor of the competition.

Architecture

Since 2006, the department has participated in the Institute's Freshman Pre-Orientation Program by offering "Discover Architecture," a two- or three-day program of fun exploration for incoming freshmen. This year, led by lecturer Joel Lamere, the program included visits to noteworthy buildings in Cambridge and Boston, a design competition, exploration of the Boston waterfront, and dinner at Ginger Park, designed by Architecture Department head Nader Tehrani. Twelve freshmen participated.

The department participated in the Minority Introduction to Engineering and Science program again in the summer of 2010 by teaching an architecture design component as part of elective study.

As part of the MIT150 celebration, professor Caroline Jones organized the kickoff event for FAST; Computation group students organized an exhibition, *Things to Think With*; and the Aga Khan Program for Islamic Architecture presented a seminar on "The Global Architect in the Free Trade Age" with Aziza Chaouni, Deeba Haider, Kevin Mark Low, and Todd Reisz.

Planning

In August 2010, DUSP participated in MIT's Freshman Pre-Orientation Program, offering 20 new freshmen a two-day session on "Discovering Urban Studies and Planning." A similar but expanded orientation program is being planned for summer 2011 in partnership with the Department of Architecture.

Media

In addition to Machover's opera and several campus installations, the Media Lab's contributions to FAST included a symposium on the history and future of music and technology moderated by Machover and associate professor Joe Paradiso.

Art, Culture and Technology

The FAST Future Forum on New Performance/New Media featured Joan Jonas in discussion with Ute Meta Bauer. At the same event, ACT lecturer and alumnus Oliver Lutz and newly appointed junior faculty member Azra Aksamija discussed their practice in a roundtable.

A concert on April 25 with sound artist Francisco Lopez was also part of the MIT150 celebration.

Education

Architecture

Effective September 1, 2011, Department of Architecture undergraduate degrees will carry new names: bachelor of science in architecture (BSA) and bachelor of science in architecture studies (BSAS).

More full-time faculty participated in teaching undergraduate subjects this year than in previous years, including both tenure-track and tenured faculty who previously taught only in the graduate program. This past year, undergraduates and graduates also shared more classes in building technology, design computation, visual arts, and history, theory, and criticism of architecture and art. In addition to sharing subjects and faculty, the students shared resources and studio space productively with the graduate students.

The core program, which consists of the first three semesters of the MArch program, was established three years ago and graduated its first class (admitted in 2007) in January 2011. The core continued to be developed in several specific ways to ensure that each of the department's discipline groups has a bearing on the development of professional education in the MArch program. In particular, a new subject taught in conjunction with the Media Lab, 4.140J How to Make (Almost) Anything, was introduced to first-year MArch students during the Independent Activities Period (IAP) in January.

The MArch thesis preparation subject taught in the sixth semester and the design thesis undertaken in the seventh semester have been reconceived as a yearlong process of introduction, research, development, and production of the selected thesis topic.

Studios continued to benefit from international support and collaboration. Examples include the Harbin Institute of Technology, which helped fund a studio focused on the development of an athletic village for Harbin's upcoming bid for the Winter Olympics; a studio led by associate professor Andrew Scott on the Galapagos Islands, an eco-tourist destination faced with a rapidly expanding population; and a study of the waterfront

district in Bilbao funded by the local government and led by Alexander D’Hooghe, associate professor of architecture, and Alan Berger, associate professor of urban studies and planning.

Associate professor John Fernandez was awarded a \$10K grant from the MIT Class of 2011 funds for the development of demonstration setups illustrating building science phenomena for 4.401 Introduction to Building Technology.

Associate professor John Ochsendorf cotaught a new class on school design in developing countries that focused on improving the design of government schools in Cambodia.

The History, Theory, and Criticism program sustained its commitment to undergraduate education with a new subject open to undergraduates on Asian architecture; a revised survey subject based on Mark Jarzombek’s coauthored text, *A Global History of Architecture*; and professor Caroline Jones’ continued engagement with exhibition planning and production at the List Visual Arts Center and the addition of an undergraduate track in her graduate seminar on installation art.

Planning

DUSP developed a new international development minor and is seeking approval from the relevant Institute committees.

Media

Now in its 13th year, the Program in Media Arts and Sciences (MAS) alternative freshman-year program enrolled 24 students in 2010–2011. These students participated in weekly Media Lab tutorial/laboratory sessions connected with two core freshman subjects, pursued Media Lab Undergraduate Research Opportunities Program (UROP) projects, and took two MAS undergraduate subjects on design and research, one of which is an option for satisfying part of the undergraduate Communication Requirement. The program has also turned out to be a successful “feeder” program for graduate students: the current MAS graduate student body includes many freshman-year program participants.

Art, Culture and Technology

The master of science in visual studies (SMVisS) degree was renamed master of science in art, culture, and technology (SMACT).

A d’Arbeloff grant of \$40,000 was awarded to develop a new subject, “Art as Intervention: Creative Responses in Contested Spaces, Conflict, and Crisis” (to be offered in fall 2011), to enhance the MIT undergraduate experience in service learning through the arts.

Research

Architecture

John Fernandez and professor Les Norford partnered with two professors at Boston University to win a four-year National Science Foundation (NSF) contract in the Emerging Frontiers in Research and Innovation program.

John Fernandez is the lead faculty member for the Sustainable Built Environment Grand Challenge of the International Design Center (IDC), a research organization of the new Singapore University of Technology and Design (SUTD). Fernandez coordinates all research in this area and heads up a research group investigating the urban metabolism of rapidly growing cities in Asia and beyond.

Professor Leon Glicksman is a project leader in the new China/US Clean Energy Research Center focused on buildings.

Les Norford is the lead investigator for the Center for Environmental Sensing and Modeling, an interdisciplinary research group under the Singapore-MIT Alliance for Research and Technology.

John Ochsendorf and Les Norford are principal investigators in MIT's Concrete Sustainability Hub, where their work focuses on the development and application of life-cycle analysis techniques for buildings and pavements to identify energy consumption and emissions during the operation of buildings and use of pavements as well as in the construction and demolition phases.

Associate professor Larry Sass received multiyear research support for studies in prototyping and visualization from SUTD (2010–2019) and multiyear education support to develop three new courses at SUTD on design and computation (2010–2019).

Planning

In collaboration with colleagues at China's Tsinghua University, researchers from DUSP have created a new set of tools that can evaluate the energy performance of real estate projects while they are still in the process of design. The new tools are intended to help shape the process of urbanization at the scale at which cities are actually built—one neighborhood at a time—producing cleaner energy patterns than would otherwise be possible. The tools include a pattern book for neighborhood forms that have proven to be energy efficient and an “energy proforma” that represents the energy value of a neighborhood form with a single number.

Researchers in the SENSEable City Laboratory have created a prototype robot for a system they call Seaswarm, a fleet of vehicles that can make cleaning up future oil spills, such as the BP spill in the Gulf of Mexico, both less expensive and more efficient than current skimming methods. Unveiled at the Venice Biennale's Italian Pavilion in August, the Seaswarm robot uses solar panels for self-propulsion; using just 100 watts, the equivalent of one household light bulb, it can potentially clean continuously for weeks.

Alan Berger's Project for Reclamation Excellence (P-REX) received a \$100,000 grant from Tiffany & Co. Foundation to aid in the publication of a joint booklet series with the US Environmental Protection Agency Superfund Group.

Associate professor JoAnn Carmin received the Abe Fellowship for her work on "Planning for a Changing Climate: A Comparative Assessment of Urban Adaptation Initiatives." She also received a supplemental research award from NSF and convened a meeting of 14 global urban adaptation leaders at the Rockefeller Bellagio Conference and Study Center.

Professor Diane Davis received a \$385,000 research grant from the Division of Conflict Mitigation and Management at the US Agency for International Development to conduct case study research on urban resilience in situations of chronic violence.

Associate professor Eric Klopfer and the Scheller Teacher Education Program (STEP) received a \$2.1M grant from NSF for a four-year collaboration with the University of Pennsylvania to improve the teaching of biology at the high school level.

Professor Larry Vale completed a major report for the MacArthur Foundation assessing the Chicago Housing Authority's Plan for Transformation.

Professor James Wescoat received two grants from the MIT Energy Initiative on water, energy, and environmental systems. His work on disaster-resilient design is being pursued in collaboration with Aga Khan Planning and Building Services (Pakistan) and is the subject of a new seminar at MIT.

Media

The Media Lab filed 27 patent applications during FY2011, and 23 patents were issued. A sampling of 2010–2011 Media Lab research initiatives includes:

- LuminAR, which transforms a traditional, incandescent light bulb and desk lamp into a robotic, digital information device that provides just-in-time projected information.
- New tools for affective-cognitive project evaluation that can help to predict customer decisions better than any focus group. This involves using multimodal affective measures (such as facial expressions and skin conductance) combined with behavioral, anticipatory-motivational, and self-report cognitive measures in a novel computational model.
- Advances in commonsense computing and natural language recognition for the detection, prevention, and mitigation of cyberbullying in social networks.
- The Glass Infrastructure, a social, place-based information window into the Media Lab via 30 touch-sensitive screens strategically placed throughout the physical complex. The Glass Infrastructure facilitates discussion about research; demonstrates a framework for an open, integrated information technology (IT) system; and shows new uses for the system.

- Beyond, a collapsible input device for direct 3D manipulation. When pressed against a screen, Beyond collapses in the physical world and extends into the digital space of the screen, giving users the illusion that they are inserting the tool into the virtual space and allowing them to interact directly with 3D media without having to wear special glasses. Users can select, draw, and sculpt in 3D virtual space and seamlessly transition between 2D and 3D manipulation.
- Living Wall, which experiments with interactive wallpaper that can be programmed to monitor its environment, control lighting and sound, and generally serve as a beautiful and unobtrusive way to enrich environments with computation. By running a hand across the wallpaper, a person can turn on a lamp, play music, or send a message to a friend.

Art, Culture and Technology

AR–Artistic Research, a yearlong collaboration between ACT and Munich-based Siemens Stiftung, focused attention on artistic research, how it intersects with science, and the differences between the two methodologies. The collaboration featured exhibits by artists working at the intersection of art, science, and technology; a lecture series that brought artists together with scientists to discuss their different forms of inquiry; and a spring-term subject exploring the relation of current artistic practice to the German Bauhaus movement, including an examination of the archive of the Center for Advanced Visual Studies, a precursor to ACT that was itself rooted in the Bauhaus movement and dedicated to creative collaboration between artists and scientists.

The newly launched “Mobile ACT Lab” joined forces with MIT architecture faculty Shun Kanda and Jim Wescoat and the 3/11 Japan Disaster Relief Initiative, directed by MIT’s Center for International Studies, to engage in a collaboration with Miyagi University on a multiyear initiative in the Miyagi region that was heavily destroyed by the recent earthquake and tsunami on Japan’s coastline. The Mobile ACT Lab is also involved in the youth workshop in filmmaking led by ACT fellow and lecturer Nitin Sawhney in collaboration with MIT’s Center for Future Civic Media.

Events

Architecture

In May, under the direction of Alexander D’Hooghe, the Department of Architecture hosted Archiprix, a biennial competition of thesis projects in architecture, urban design, and landscape architecture. The resulting exhibit of some 300 top theses from 70 countries offered a rare opportunity to assess current trends in design education around the world. Participants were invited to MIT for a series of intensive workshops conducted by designers from leading schools of architecture in the United States.

In March, the History, Theory, and Criticism program organized a conference, “Shenzhen+China, Utopias+Dystopias,” to explore the historical and transnational trajectories of contemporary Chinese society through a specific focus on the Shenzhen region.

Associate professor Takehiko Nagakura participated in the exhibition *Building the Revolution – Art and Architecture in Russia, 1915–1935* (organized by the Royal Academy of Arts, London), with his film of Tatlin’s Tower, which traveled to Barcelona, Madrid, and London.

Professor Nasser Rabbat organized the “Where Does the Field of Islamic Art and Architecture Stand Today?” workshop at MIT in November.

Planning

In April DUSP participated in the American Planning Association’s National Planning Conference, which was held in Boston. Students and faculty organized sessions and workshops and staffed a poster booth in the exhibitors’ hall for the five days of the conference. The department also organized a 300-person reception, held at the new Media Lab building the night before the conference, to welcome alumni and members of the planning community to Boston.

Coinciding with the National Planning Conference, DUSP students and faculty organized a daylong conference on technology and planning and researchers at the SENSEable City Lab hosted a forum on “Future Cities,” where leading thinkers from around the world convened to discuss pressing issues of urbanization and a wave of new distributed technologies.

Together with the interuniversity Program on Negotiation at Harvard Law School, the MIT-Harvard Public Disputes Program, headed by professor Larry Susskind, organized a series of problem-solving sessions focused on the mediation of human rights and other values-based disputes, the land claims of First Nations, and the use of scenario planning to help cities understand the best ways of adapting to climate change risks.

In conjunction with NSF’s grant to Tufts University to establish a new PhD in water diplomacy, the Environmental Policy and Planning Group organized the first Water Diplomacy Workshop. Drawing 31 participants from 17 countries, this weeklong train-the-trainer event instructed senior water professionals in negotiation techniques that can be used to resolve cross-boundary water management disputes.

Media

The Media Lab’s 25th anniversary celebration in October brought together approximately 1,000 alumni, sponsors, and friends. For many, this was the first opportunity to experience the new building firsthand, as well as to reconnect with old friends while meeting current students and faculty. The event included a daylong program hosted by Tod Machover.

Real Estate

During FY2011 the Center for Real Estate and the Master of Science in Real Estate Development (MSRED) program continued to celebrate their 25th anniversary, culminating with a black-tie gala at Boston’s InterContinental Hotel in October. During the gala the center’s highest honor, the Visioneer Award, was presented to Jonathan F.P.

Rose, president of the Jonathan Rose Companies, a green real estate policy, planning, development, owner's representative, and investment firm. A second Visioneer Award was presented to Google for the company's innovations, which are transforming the way people design workplaces. These innovations have led to the creation of innovative tools, such as Google Maps and Google Earth, and "have revolutionized the way we think about and use space—the essence of real estate." Brian Cusack accepted the award on behalf of the company. The final Visioneer Award went to Charles (Hank) Spaulding, the "original" visioneer and founder of the Center for Real Estate.

A partners' dinner was held in September at the newly renovated MIT Museum. Individuals representing approximately 15 partner firms participated along with members of the MSRED Class of 2011, faculty, and alumni.

A daylong industry conference, "Real Estate Re-engineered," began with "Financial Re-engineering," a panel moderated by William Wheaton. The morning's second session, "Re-engineering Buildings—Innovations in Building Technology," was moderated by Tony Ciochetti, chairman of the center. An afternoon panel of prominent practitioners, assembled to react to the broad slate of ideas discussed during the morning sessions, was moderated by Raymond Torto, chief economist for CB Richard Ellis.

Art, Culture and Technology

ACT presented "Sound Shapes and Ear Dances/A Tribute to Maryanne Amacher" honoring the pioneering sound artist and former CAVS fellow on the first anniversary of her death. A symposium was followed by live performances by contemporary sound artists Florian Hecker, Kevin Drumm, and Jessica Rylan Piper attended by over 200 people.

Publications

Architecture

Alexander D'Hooghe published *The Liberal Monument: Urban Design and the Late Modern Project* (New York: Princeton Architectural Press), described as "a provocative, accessible work of theory that challenges all of the accepted truths of urban design."

The second edition of Mark Jarzombek's textbook, *A Global History of Architecture* (with D.K. Ching and V. Prakash), was published (New York: Wiley, 2010).

John Ochsendorf published the book *Guastavino Vaulting: The Art of Structural Tile* (New York: Princeton Architectural Press, 2010).

In addition to several articles in English and Arabic, four of Nasser Rabbat's books were published between June and October 2010: *The Citadel of Cairo: A Guidebook*, published by the Egyptian Supreme Council of Antiquities in English and Arabic; *The Courtyard House between Cultural Reference and Universal Relevance*, an edited volume (London: Ashgate); *al-Mudun al-Mayyita: Durus min Madhih wa-Ru'an li-Mustaqbaliha (The Dead Cities in Syria: Lessons from Its History and Views on Its Future)* (Damascus: al-Aws Publishers); and *Mamluk History Through Architecture: Building, Culture, and Politics in Mamluk Egypt and Syria* (London: I.B. Tauris).

Planning

JoAnn Carmin and Julian Agyeman published the edited volume *Environmental Inequalities Beyond Borders: Local Perspectives on Global Injustices (Urban and Industrial Environments)* (Cambridge: MIT Press). With Adam Fagan, Carmin also published *Green Activism in Post-Socialist Europe and the Former Soviet Union* (New York: Routledge).

Diane Davis and Nora Libertun de Duren published the edited book *Cities and Sovereignty: Identity Politics in Urban Spaces* (Bloomington: Indiana University Press).

Professor Ralph Gakenheimer and Harry T. Dimitriou published the edited volume *Urban Transport in the Developing World: A Handbook of Policy and Practice* (Northampton, MA: Edward Elgar Publishing).

Associate professor Judith Layzer published *The Environmental Case: Translating Values Into Policy* (Washington, DC: CQ Press College).

Larry Susskind and Patrick Field published *Dealing with an Angry Public: The Mutual Gains Approach To Resolving Disputes* (New York: The Free Press).

The MIT Science Impact Collaborative, a field-based graduate training program in DUSP, released a new publication titled *Managing Risk: Helping Cities in Massachusetts Adapt to Climate Change*.

Media

Professor Frank Moss published *The Sorcerers and Their Apprentices: How the Digital Magicians of the MIT Media Lab Are Creating the Innovative Technologies That Will Transform Our Lives* (New York: Crown Business).

Art, Culture and Technology

Ute Meta Bauer published several essays and Antoni Muntadas published *About Academia (The Transcriptions: An Internal Document)*.

Facilities

Architecture

With the opening up of Room 7-431, the fourth floor space around the dome—an area now dubbed the “halo”—became a seamless arcade of activity, accommodating reviews, lectures, meetings, and social events.

The new fabrication laboratory created tremendous design innovation and production opportunities for studio and other projects.

Work began on a new centrally located exhibition space that will display work by students, visiting critics, and faculty.

Real Estate

The MSRED program and the Center for Real Estate were offered space in Building 9 if \$1M could be raised from MSRED alumni by the end of the fiscal year. These funds would be matched (up to \$1 million) by an MIT alumnus and funds from the Institute. Gifts and pledges exceeded \$1.5M as of year-end; the \$1M match was also received by the Institute at year-end. The development time frame is aggressive. The renovation is scheduled to start midsummer 2011, and the goal is to complete the renovation so that the center can occupy the new space mid-FY2012.

Art, Culture and Technology

ACT completed its move to Buildings E15 and E14 in the summer of 2010.

ACT holds the CAVS archive, which contains materials associated with collaborative and time-based productions generated by or related to the tenure of nearly 100 internationally recognized artist-fellows over the past 44 years. For the first time the archive is being held in a climate-controlled room, an important step in protecting its contents.

Personnel

Architecture

In the spring term, Walter Hood Jr. was named the first Robert R. Taylor Fellow, an honor that recognizes Taylor as an MIT alumnus and the first African American to have received an architectural degree in the United States.

Assistant professor William O'Brien Jr. was named the Green career development chair for a period of three years, effective July 1, 2011.

Jan Wampler retired effective January 1, 2011.

Planning

In April DUSP and the wider academic community honored professor Judith Tandler, who retired this year. The occasion was marked with an academic Festschrift exploring and celebrating her work.

The Special Program for Urban and Regional Studies (SPURS) hosted 18 SPURS and Humphrey Fellows in 2010–2011. This year, one Humphrey Fellow, Sopheap Phim from Cambodia, led a group of interdisciplinary MIT students to Cambodia during IAP to investigate locally appropriate technologies for school renovation.

Media

Joi Ito was named the Media Lab's next director, effective September 2011. Ito is a leading thinker and writer on innovation, global technology policy, and the role of the Internet in transforming society.

Cesar Hidalgo was appointed as an assistant professor of media arts and sciences; Hidalgo received his PhD in physics from the University of Notre Dame.

Neri Oxman was also appointed as an assistant professor of media arts and sciences; Oxman received her PhD from MIT in June 2010.

Ethan Zuckerman was named the new director of MIT's Center for Civic Media. The Center for Civic Media is a collaborative effort between the Media Lab and the Comparative Media Studies program in the School of Humanities, Arts, and Social Sciences.

Martha Collins became the Media Lab's director of human resources in December 2010.

Real Estate

Marion Cunningham, the managing director of the Center for Real Estate, resigned after having been with the center since November 1998; she accepted a position as an administrative officer with the Program in Art, Culture and Technology.

Art, Culture and Technology

Two new faculty members were appointed, to begin in fall 2012: Renee Green as an associate professor with tenure and Azra Aksamija as an assistant professor.

Gediminas Urbonas was named the Mitsui career development chair effective July 1, 2011.

ACT hosted six resident research fellows, eight nonresident research affiliates, and one visiting student who contributed to the varied research interests and calendar of events of the program.

Recognition

Thirteen SAP students from programs in architecture, urban planning, and real estate development were members of teams that captured top honors in the 2011 Affordable Housing Development Competition. Since the contest was established 11 years ago, SAP has consistently been represented among the top winners, including representation on every first-place team.

All four of the top honors in this year's Harold and Arlene Schnitzer Prize in the Visual Arts went to graduate students in SAP. Since the prize was established in 1996 to recognize a body of artwork by a current MIT student, our students have consistently won top honors in the competition.

Architecture

The Department of Architecture was ranked first in the Computer Application category in the 2011 America's Best Architecture Schools issue of *Architectural Record* magazine.

Professor Michael Dennis received a Charter Award from the Congress for the New Urbanism for the design of the campus master plan for the University of Texas at San Antonio; the project also won an American Institute of Architects (AIA) Austin Design Award in 2010. He was honored with the Athena Medal for Lifetime Achievement from the Congress for the New Urbanism in recognition of a legacy of pioneers who laid the groundwork for new urbanism. His highly praised University of Miami Alumni Center opened in October.

Professor Philip Freelon received the F. Carter Williams Gold Medal from the AIA North Carolina chapter.

Professor Sheila Kennedy's Portable Light Project was one of 21 semifinalists in the 2011 Buckminster Fuller Challenge. Kennedy and her partner Frano Violich were part of a team that won the Minneapolis Riverfront Design Competition, the largest design competition in the city's history.

William O'Brien Jr. received a grant from the Graham Foundation for Advanced Studies in the Fine Arts for his book project, *Cycles*. He was also named one of this year's six winners of the Architectural League Prize for Young Architects and Designers.

John Ochsendorf won a 2010 Earth Award in the Built Environment Category in collaboration with Michael Ramage (MArch '06) and South African architect Peter Rich.

Nasser Rabbat received a Radcliffe Institute for Advanced Study Fellowship and will be on leave for AY2012.

Nader Tehrani began a new phase in his design practice through the establishment of a new Boston-based firm, NADAAA, that will serve as a platform for design investigation at a large scale through public, institutional, and private commissions.

Meejin Yoon and her partner Eric Howeler won an open competition to design the new headquarters for the Boston Society of Architects on Boston's waterfront.

Planning

Students in DUSP won national and international prizes at a pace rarely seen before, including fellowships from the National Science Foundation, the Presidential Management program, and the Rappaport Program in Law and Public Policy and awards from the American Planning Association, the Association of Collegiate Schools of Planning, and others.

Especially noteworthy was the number of team competitions that the department won recently, including the Chase Community Development Competition (in which teams participating in DUSP's efforts in New Orleans swept both first and second place) and the Federal Home Loan Bank of Boston's Affordable Housing Competition (in which teams from DUSP swept first, second, *and* third place).

Two graduate students in DUSP won the Popular Choice Award in a contest to create new international climate agreement proposals for the world community.

Larry Susskind, founder of the Consensus Building Institute, was presented the first Kenneth Cloke Peacemaker Award for outstanding and lasting contributions in international peace building.

The department's ongoing partnership with the city of Lawrence, Massachusetts, known as MIT@Lawrence, won the 2011 Community Partnership Award from the Massachusetts Campus Compact.

In April, the department presented the 2011 Kevin Lynch Award to landscape architect and sociologist Randolph Hester.

For the third consecutive time, the department was ranked number one in Planetizen's "Guide to Graduate Urban Planning Programs."

Media

Doctoral student Leo Bonanni's Sourcemap project received two awards: the Gold Prize in the Korean Open Source Software World Challenge 2010 and a runner-up award in *Scientific American's* World Changing Ideas video contest.

Assistant professor Leah Buechley was named one of the "Top Women in Mobile Technology."

Doctoral student M. Ehsan Hoque received an Institute of Electrical and Electronics Engineers (IEEE) Micro Grant in support of his project "Tell Me More: A Multi-Modal Virtual Platform to Help People with Social Phobia."

Professor Hiroshi Ishii was the 2010 recipient of the Funai Achievement Award, presented by the Forum on Information Technology under the auspices of the Funai Foundation for Information Technology.

Tod Machover was the winner of the 2010 World Technology Network Award for the Arts.

Associate professor Pattie Maes was one of two women named to *GigaOM's* 2010 list of the "Top 15 Mobilize Influencers."

Graduate student Natan Linder was the winner of Audi's Tony Stark Innovation Challenge.

Doctoral students Ming Zher Poh and Daniel McDuff received a third-place award in the Center for Integration of Medicine & Innovative Technology Primary Healthcare Prize competition for their Cardiocam project.

Associate professor Ramesh Raskar received a Defense Advanced Research Projects Agency (DARPA) Young Faculty Award for his project “Looking Around Corners Using Transient Imaging.”

Professor Mitchel Resnick was chosen by *Technology & Learning* magazine as one of its 100@30, a list of the most influential people affecting the advancement of technology in education.

Real Estate

In March, the MSRED and Center for Real Estate team received an Infinite Mile Award in recognition of its hard work and dedication related to the 25th anniversary activities.

Art, Culture and Technology

Alumna Jennifer Allora (SMVisS '03), with her partner Guillermo Calzadilla (jointly known as Allora & Calzadilla, an artist team working in Puerto Rico), represented the United States at this year's prestigious Venice Biennale.

Lecturer John Bell received grants and awards totaling over \$25,000 from the Jane Henson Foundation, the Puppet Slam Network, the Nancy and Marc Schroeder Endowment, and the University of Connecticut.

Ute Meta Bauer is artistic director of the multigenre platform Apparatjik, fusing scientific interest and artistic efforts.

Master's candidates Sarah Witt (first prize) and Sohin Hwang (third prize) were winners of MIT's Harold and Arlene Schnitzer Prize in the Visual Arts.

Master's candidate Matthew Everett Lawson received the 2011 Laya and Jerome B. Wiesner Student Art Award from the Council for the Arts at MIT.

Master's candidate in the Class of 2012, Narda Alvarado, participated in several exhibitions including the Istituto Italo-Latino Americano, 54th Venice Biennale, and Museo de Arte Raúl Anguiano, Guadalajara, Mexico.

Adèle Naudé Santos

Dean

Professor of Architecture and Urban Studies and Planning

More information about the School of Architecture and Planning can be found at <http://sap.mit.edu/>.