

## Department of Architecture

The Department of Architecture incorporates outstanding research and teaching programs in each of the following discipline groups: Architectural Design; Building Technology; Computation; History, Theory, and Criticism; and Visual Arts. Each of these disciplines has specialized advance degree programs. Undergraduates receive a bachelor of science in the Architecture Studies program. Notable strengths of the department that cut across the discipline groups are our devoted teaching, the grounding of architecture in both social and material issues, interdisciplinarity, and the remarkable internationalism of faculty, students, teaching, and research.

The faculty includes architects, urbanists, building technologists, historians of art and architecture, artists, and various specialists in areas of architectural research, including computation as it addresses design issues. The presence of this range of faculty assures a professional program of both depth and breadth. The strength and well-being of the master's of architecture program is fundamental in maintaining and enhancing our position as one of the world's most respected professional schools of architecture.

Academic year 2005 saw significant transitions in department leadership. Stanford Anderson stepped down as department head on December 31, 2004, having served in that role for thirteen and a half years. As the search for a new department head was ongoing at that time, Dean Adèle Naudé Santos took on the additional role of acting head. The search concluded during the spring term with the appointment of Yung Ho Chang as professor of architecture and department head, effective July 1, 2005. During the spring term, the position of associate head, with particular responsibility for the master of architecture program, was withdrawn, pending review of needs by the incoming department head. In place of a department council, the dean appointed an interim advisory committee of faculty and staff and scheduled regular all-faculty meetings and meetings with the department's Student Council. The year was remarkable for the number of successful promotion reviews: Terry Knight was promoted to full professor effective September 1, 2004; Mark Jarzombek was promoted to full professor effective July 1, 2005; and John Fernandez, Wendy Jacob, Heghnar Watenpaugh, and J. Meejin Yoon were promoted to associate professor without tenure, effective July 1, 2005.

The Visiting Committee for the Department of Architecture met on February 24 and 25, 2005. The committee expressed optimism for the opportunities inherent in new leadership, especially that of Santos as dean. In particular, the committee supported increasing the size and stature of the core professional degree program; while noting the continued excellence of the discipline groups, it recommended better integration of these groups into the design studio; and it questioned the department's commitment to the undergraduate program.

The discussion below is organized by discipline group, followed by individual topics that cross discipline areas.

## **Architectural Design**

### **Faculty Matters**

Personnel in Architectural Design (AD) were professors Stanford Anderson (on leave, spring), Julian Beinart, Charles Correa (on leave), John de Monchaux (on leave, fall), Michael Dennis, Anne Spirn (on leave), and Jan Wampler; associate professors Mark Goulthorpe, Ann Pendleton-Jullian, and Andrew Scott; assistant professors Alexander d’Hooghe (beginning January 2005), Paul Lukez (on leave, fall), and J. Meejin Yoon (on leave, spring); senior lecturers Fernando Domeyko and Shun Kanda; adjunct associate professor Bill Hubbard, Jr.; principal research associate Reinhard Goethert; visiting professors Lindsay Bremner (spring, South Africa) and Waro Kishi (fall, Japan); visiting associate professors Carol Burns (fall, Boston), Hubert Murray (spring, Boston), Nader Tehrani (spring, Boston), and Pierre Thibault (fall, Quebec); lecturers Hansy Luz Better (IAP, spring), Robert Cowherd (fall), Peter Roth, Alexander Tsamis, and Joel Turkel (spring); research scientist Franco Vairani; and technical instructor Christopher Dewart. A search continued for a tenure-track studio faculty member. Adèle Naudé Santos, as acting head, served as director of the AD group in the spring term. Yoon was promoted to associate professor without tenure, effective July 1, 2005.

### **Program Notes**

#### ***Goals in Architectural Education***

New theories and new technologies are changing our concept of what architecture can do and how architects conceive their tasks and accomplish them. MIT’s Department of Architecture surveys the development of theory from a decades-old departmental commitment to viewing such developments through the long lens of the history of criticism. We also investigate technology’s role in society, so we are open to—indeed, are enthusiastic about—new technologies and theories, but we also feel impelled to test the results of our designing against long-held social and environmental values. As we embrace new conceptions of architecture, we demand of ourselves that our designs have the qualities of space, light, air, tectonic soundness, and place that allow for appropriate, even poetic, inhabitation.

#### ***The Themes We Pursue to Accomplish Our Goals***

A hallmark of studio education at MIT is that instructors propose to their students not merely a project but a process by which that design might be accomplished. Our faculty employ a shared set of themes as vehicles for advancing their pedagogies. Those themes include: tectonic expression (materiality, the manner of construction, and the means of managing natural forces); light and inhabitation (the capacity of light to transform and model space in ways appropriate to a range of human activities and emotions); building community (respecting the identity and social needs of inhabitants of places); preserving cultural heritage; urbanism (specifically of architecture’s ability to contribute spatially, symbolically, and functionally to the shared but divergent social and economic life of cities); engaging the landscape (the impact that designed environments have on natural systems—and vice versa); sustainability (including the conservation of natural resources, not just in terms of the efficiency of the buildings but in terms of larger practices like

settlement and transportation); and virtual environments (the use of digital media to study and represent physical spaces and phenomena).

Special opportunities for project-generated student travel are a continuing strength of the department. Shun Kanda again led an extended summer study trip in Japan. Jan Wampler led the Beijing summer workshop last summer with Dennis Frenchman from our sister department, Urban Studies and Planning. This year the fall urban design studio was conducted in collaboration with the University of Newcastle. Reinhard Goethert led a group of students to Peru during IAP. Thanks to the generosity of alumni, students also pursued individual research studies in the United States and abroad.

The design faculty met regularly during the year to clarify our philosophical direction and define the unique possibilities inherent in being part of MIT. The intention is to present this material to the incoming head of the Department of Architecture, Yung Ho Chang, early in the fall term.

### Faculty Activities and Achievements

Stanford Anderson's achievements are listed in the History, Theory, and Criticism section. Alexander D'Hooghe published *Public Form* (Brussels: VAI/A16 Publications, 2005). Fernando Domeyko conducted workshops and office visits, served as a visiting critic, consulted for the city of Santiago, Chile, and advanced his design practice with a church project in Chile. Mark Goulthorpe received the 2005 FEIDAD International Digital Design Competition Award, lectured and exhibited in the US and abroad, and organized a conference on non-standard praxis at MIT. His firm, dECOi, was included in an *Architectural Record* feature on young firms in December 2004. Paul Lukez received a BSA Interior Design Award, a BSA/NYAIA Housing Award, and a Central Massachusetts AIA Design Award. He completed his book, *Suburban Transformations*, scheduled for publication in spring 2006 by Island Press. His firm's published work includes a project in Taunton Press's book on the 50 best projects it has ever published, *Celebrating the American Home*, and several exhibitions. Ann Pendleton-Jullian continued her work on the new Asian University for Women. Andrew Scott contributed a chapter to the forthcoming book *Sustainable Urban Housing in China* for the Alliance for Global Sustainability and completed construction of the Expedition Center for Thompson Island Outward Bound in Boston Harbor. He continued work on the competition-winning Waterside Place project in South Boston (with Kallmann McKinnell & Wood Architects), the largest LEED-approved project undertaken to date in the US. Jan Wampler completed a design prototype for pediatric AIDS care centers in Zambia, a project whose sponsorship by the Power of Love Foundation, and by MIT's UROP, Public Service Center, and Edgerton Center permitted two students (Stephen Form and Katice Helinski) to travel with him and provide design assistance. J. Meejin Yoon received a 2005–2006 Rome Prize in Design and will spend spring 2006 at the American Academy in Rome. A smaller version of her *White Noise/White Light* from the 2004 Olympics in Athens was installed at MIT for the inauguration of President Susan Hockfield.

## **Admissions**

Students in our professional MArch degree program are admitted at two levels: at Level 1, for those who come from undergraduate studies in other areas of study, and, at Level 2, for those who come from undergraduate programs in architecture and thus receive one year of advanced standing in our three-and-a-half year graduate program. Students applying and admitted at Level 1 come almost wholly from the most prestigious private colleges and universities. As usual our principal competitor was Harvard. Most of the students admitted at Level 2 come from major public universities, here and abroad. Harvard and Yale were the main competitors. Results for Level 1 were: 163 applications, 37 admissions, and 14 enrollments (including four from our waitlist and one late special admission). Results for Level 2 were: 150 applications, 45 admissions (including six BSADs who deferred), and 16 enrollments. Results for SMArchS were: 143 applications, 40 admissions, and 24 enrollments.

## **Architectural Practice**

Architectural Design faculty members who also practice as architects include Julian Beinart in association with Charles Correa, Michael Dennis, Alexander D'Hooghe, Fernando Domeyko, Mark Goulthorpe, Bill Hubbard, Shun Kanda, Paul Lukez, Ann Pendleton-Jullian, William Porter, Adèle Naudé Santos, Andrew Scott, Jan Wampler, and J. Meejin Yoon.

## **Building Technology**

### **Faculty Matters**

Personnel in Building Technology (BT) were professors Leon Glicksman and Leslie Norford; associate professor Andrew Scott; assistant professors Marilyn Andersen, John Fernandez, and John Ochsendorf; lecturers Stephen Diamond (spring) and Carl Rosenberg (spring). Fernandez was promoted to associate professor without tenure effective July 1, 2005.

### **Program Notes**

The major focus of BT research continued to be on sustainable buildings. A key element is the development of simple web-based tools to assist the selection between sustainable alternatives during preliminary building design. These tools include a simple web based tool to assess energy, natural ventilation, and lighting, developed by the faculty and students working on the Cambridge-MIT Institute project. It is available at <http://designadvisor.mit.edu/>. In addition, John Fernandez continued collaboration with Mike Ashby and Granta Design in the development of the first materials selector software tool for architecture and buildings; it will be released in September 2005. Andersen began the development of a highly innovative computational tool for daylighting design that employs an inverse approach to support the design process. John Ochsendorf began a simple design tool for three dimensional roof structures.

Fernandez, Norford, Scott, and Glicksman continued their collaborative research with Cambridge University through the Cambridge-MIT Institute. The work focuses on sustainable design for commercial buildings with a special focus on natural ventilation.

The group is monitoring a large, naturally ventilated building in the UK, developing simple web-based tools to assist technology selection during preliminary building design, and carrying out small-scale models and numerical modeling of naturally ventilated buildings. Several cooperative projects have been undertaken with British Petroleum to help in the conceptual design of green office and laboratory projects. Additional studies include noninvasive monitoring of energy use and real options assessment of the value of flexible buildings.

### **Faculty Activities and Achievements**

Marilyne Andersen set up a comprehensive daylighting laboratory, including the development of an original and time-efficient measurement device for the detailed investigation of the daylight distribution within buildings along with an apparatus to measure detailed light distribution properties of innovative daylighting systems that will increase daylighting use within buildings. Several of Andersen's students participated in collaborative research activities with the Swiss Federal Institute of Technology in Lausanne. John Fernandez was appointed to the Board of Directors of the Building Environment and Thermal Envelope Council. He completed his book, *Material Architecture: Emergent Materials for Innovative Buildings and Ecological Construction*, which will be published by Oxford's Architectural Press in summer 2005. John Ochsendorf continued to develop his research program on the structural analysis of unreinforced masonry construction. MIT undergraduate and graduate students worked closely together on structural studies of Romanesque churches in the Bourbonnais region of central France. This project, in collaboration with art historians and computer scientists from Columbia University, was awarded significant funding from the Mellon Foundation in 2004 as well as initial support from the MIT-France Program. Over the past year, other research students received financial support to travel to India, Egypt, England, Germany, and China in order to carry out a range of research projects on historical masonry buildings. In May 2005, Ochsendorf's research group launched a web page (<http://web.mit.edu/masonry/>) to distribute their findings and to share new analysis programs with other researchers. Scott's achievements are listed above in the section on Architectural Design.

### **History, Theory, and Criticism**

#### **Faculty Matters**

Personnel in History, Theory, and Criticism (HTC) were Professor Stanford Anderson (on leave, spring); associate professors Arindam Dutta, David Friedman, Mark Jarzombek, Caroline Jones, and Nasser Rabbat; assistant professors Erika Naginski (on leave, fall) and Heghnar Watenpaugh (on leave); visiting professor Alice Friedman (spring); visiting associate professor Mohammad al-Asad (spring); visiting assistant professor Lisa Pon (fall); and lecturers Marek Bartelik (fall), Leila Kinney (fall), and Irvin Schick (fall). Jarzombek was promoted to full professor and Watenpaugh was promoted to associate professor without tenure, both effective July 1, 2005. Review of Naginski for promotion to associate professor without tenure was deferred until fall 2005.

## Program Notes

HTC produced a strong record of research, conference participation, and publication. Graduates of the advanced degree programs continued to receive excellent teaching positions and current students to receive prestigious fellowships and conference invitations, both important measures of HTC's success. Three PhD candidates, two HTCSMArchS candidates, plus two additional HTCSMArchS candidates who worked closely with HTC faculty, and one Course 4 undergraduate following the HTC discipline stream graduated. In the second year of the exchange program between HTC and Fondazione Scuola di Studi Avanzati–Venezia, in Italy, two students came to MIT, one for one term and one for the academic year.

There were 47 applications for admissions (29 PhD, 18 HTCSMArchS), with 20 prospective student visits. Four PhD and four HTCSMArchS candidates accepted enrollment for fall 2005. Though the applicant pool for the PhD program remains strong, the number of high caliber students has decreased along with the size of the overall number of applicants. HTC determined to launch a promotional campaign in the coming year in order to compete with the growing number of new PhD programs. It set a goal to increase the applicant pool to 102 and 63 for the PhD and HTCSMArchS programs, respectively. A continuing concern is the rising cost of nonresidency for PhD students which will soon make it difficult to compete against such schools as Harvard, Columbia, and Princeton that have low or no nonresidency costs. Highest among comparable institutions, MIT's nonresident fee removes a large portion of a student's fellowship money, which is designed as a partial living stipend to cover expenses while conducting research. HTC will lobby for a reduced rate, especially for those traveling on fellowships away from campus. Through the Foreign Scholarships Office, HTC hopes to acquire access for its students to apply for the predoctoral fellowships of the Georges Lurcy Charitable and Educational Trust, as MIT currently is not one of the eligible institutions. HTC was pleased that increased funding for HTCSMArchS students resulted in winning its leading applicants for MIT, instead of losing a significant number as in previous years to competing universities with better funding.

The companion publication to last year's conference Architecture—History—Pedagogy was published in *Thresholds 28* with the theme "Concerto Barocco" in honor of Henry Millon, and was coedited by Erika Naginski and PhD candidate Patrick Haughey. A Henry Luce Foundation application yielded \$30,000 in research funding for doctoral candidates to visit archives in the US and abroad. The student-run HTC Forum's focus was "After the Cold War" in the fall term, and Jimena Canales, Nana Last, Tom Gunning, and Gwendolyn Dubois Shaw were invited to lecture in the spring term. In addition, the faculty invited two guest speakers to lecture: Donatella Calabi, from the University of Venice; and Michael Meister, from the University of Pennsylvania. The theme of the fall HTC Film Series was "Visions of the East."

HTC discussed its contribution to MIT's curriculum requirements in terms of graduate and undergraduate subjects offered, undergraduate certifications, and possible subject restyling. Research for two public events was initiated: a conference on architecture and religion tentatively scheduled for spring 2006; and, in collaboration with the MIT Museum, subject offerings on beaux arts in America in spring 2006, and an exhibition and accompanying catalog in spring 2007.

## Faculty Activities and Achievements

All faculty contributed notably to their fields through conferences, lectures, and publications. Stanford Anderson traveled and lectured widely, including keynote addresses at the EAAE Administrators Conference (published in *Transactions on Architectural Education No. 24*, Thessaloniki: EAAE, 2004) and Behrens Centennial Symposium and the naming of Peter Behrens School of Architecture, Fachhochschule Düsseldorf, in Germany. Following on the success of his book *Eladio Dieste: Innovation in Structural Art* (NY: Princeton Architectural Press, 2004), he gave the annual Felix Candela Lecture on the work of Dieste at MIT, the Museum of Modern Art, and Princeton University, presented lectures associated with the traveling Dieste exhibition he organized, and published a major article on Dieste in *Dialogue 89* (Taipei). Arindam Dutta presented a paper on Patrick Geddes and participated in a panel session on colonial urbanism at the annual meeting of the Society of Architectural Historians. He gave the 2005 Elson Lecture in Judaic Studies at Harvard University and lectured at the American University in Beirut, the University of Rochester, and Yale University. David Friedman was awarded a senior fellowship at the Dibner Institute for spring 2006. He organized an international conference, Arnolfo's Moment, at Villa I Tatti, Florence, and traveled in Italy for his research. He wrote on Italian architectural drawings for the Museo dell'Opera del Duomo, in Orvieto, Italy. Jarzombek was awarded a Clark Fellowship at the Sterling and Francine Clark Art Institute, for fall 2005. His book, *Designing MIT: The Architecture of William Welles Bosworth*, was published by Northeastern University Press (Boston, 2004). He contributed a chapter on Dresden to *Memory and Architecture*, edited by E. Bastea (University of New Mexico Press, 2004) and presented papers on Joseph August Lux at the annual conferences of the Society of Architectural Historians and the College Art Association. Other lecture subjects included the rebuilding of Dresden, Bosworth, the Pantheon, critical historiography, and art and the fragmentation of urban space. In addition to numerous international lectures, Caroline Jones contributed chapters to *Remote Viewing* by E. Sussman (New York: Abrams, 2005); *Skin/Control* by C. Csikszentmihályi (Milan: Charta, 2005); and *Things That Talk: Object Lessons from Art and Science* by L. Daston (New York: Zone Books, 2004). She wrote the cover essay for *Art Papers* (January 2005). Erika Naginski, with S. Melville and P. Armstrong, coedited a special issue of *Res Anthropology and Aesthetics* 46 (Autumn 2004) on polemical objects, contributing the introduction and an article on Poussin. She conducted research in Paris during her leave. Nasser Rabbat's and Hegnar Watenpaugh's activities are noted in the section on the Aga Khan Program.

## Visual Arts

### Faculty Matters

Personnel in the Visual Arts Program (VAP) were professors Joan Jonas (on leave, spring) and Krzysztof Wodiczko; assistant professor Wendy Jacob (on leave); visiting professor Antonio Muntadas (spring); visiting associate professor Allan McCollum; and lecturers Nathan Carter (foundations and sculpture), Andrea Frank (photography), Joseph Gibbons (video), and Pia Lindman (foundations). Joan Jonas was acting director in the fall and Krzysztof Wodiczko was acting director in the spring. Wendy Jacob was promoted to associate professor without tenure, effective July 1, 2005. The search for a new director and faculty member concluded with the appointment of Ute Meta Bauer, effective July 1, 2005.

## Program Notes

VAP supports the undergraduate education curriculum of the Institute and also conducts a small graduate program that addresses the relation of artistic practice to new media, performance, architecture, urbanism, and related questions of sociopolitical content and supports the department's core MARCH program. Three applicants were accepted into the SMVisS degree program for fall 2005. The Photographic Resource Center at Boston University featured works by two MIT students in its 2005 PRC Student Exhibition. VAP celebrated thesis reviews with its fourth annual reception and Open Studios event, "Research + Development, New Work from the MIT Visual Arts Program," funded by the Council for the Arts and the provost for the arts. VAP hosted a number of visiting artists, lecturers, and reviewers in conjunction with its subject offerings and public events. The program maintains a website at <http://web.mit.edu/vap/>.

## Faculty Activities and Achievements

Wendy Jacob was on leave with a fellowship at the Radcliffe Institute for Advanced Study. She exhibited her work at MASS MoCA, Kunsthaus Gratz in Austria, Gigantic Art Space in New York City, Radcliffe Institute, and Museum Tinguely in Switzerland. Joan Jonas was on leave as a resident scholar in the spring term at the Getty Foundation and received the Distinguished Body of Work Award from the College Art Association. She performed *Lines in the Sand* at the Tate Modern in London and had a solo exhibition at the Yvon Lambert Gallery in New York City. Krzysztof Wodiczko continued his appointment as a faculty member in VAP while serving also as director of the Center for Advanced Visual Studies at MIT. His work was exhibited at MASS MoCA, Museum Tinguely in Switzerland, Hiroshima City Museum of Contemporary Art, Baltimore Museum of Art, and Zacheta National Gallery of Art in Warsaw, Poland. *Alien Staff*, a major public project, became part of the permanent collection of the Barcelona Museum of Contemporary Art. His commissioned *Memorial to the Abolition of Slavery* was approved by the Municipal Council of the City of Nantes, in France. Among other lectures and conferences, he gave keynote addresses at Ars Electronica in Linz, Austria, and at Art and Commitment at the University of Minnesota. Major projects and texts published were: *Extreme Housing* (Prestel, 2004), *Extreme Fashion* (Prestel, 2005), *Slide Show—Projected Images in Contemporary Art* (Pennsylvania State University Press, 2005), and *Vita Brevis (Life is Short) History, Landscape and Art 1998–2003* (Institute of Contemporary Art, Boston, 2005). A television segment on his work, produced by WGBH and shown nationally via PBS, received the 2004 New England regional Emmy Award for the best cultural affairs segment. Krzysztof Wodiczko was invited by PBS to be part of *Art 21*, a series presenting the most accomplished 21st-century American artists.

## Computation

### Faculty Matters

Personnel in the Computation discipline group were professors Terry Knight, William Mitchell, and George Stiny; associate professor Takehiko Nagakura; assistant professor Larry Sass; professor without tenure (retired) William Porter; principal research scientist Kent Larson; and research scientist Stephen Intille. Terry Knight served as director of the group. Larry Sass was named Cecil and Ida Green career development professor, effective July 1, 2005.



## Program Notes

The research and teaching of the Computation group is focused on areas at the intersection of architectural design, computer applications, and computational theory—in design representation, synthesis, and construction, with consideration for the broader cultural and societal impacts of digital technologies on built form at all scales. The work includes applications with immediate implications for current practice as well as on strategic, long-term research with the potential to transform design practice in the future. It is through the latter that the group seeks to distinguish itself from competing programs at other institutions. The group began efforts to gain outside funding and cultivate stronger relationships with industry to help support research initiatives and graduate students. Program goals included expansion of the teaching program to include more undergraduates either through a computation stream in the BSAD program or through a stream within a new, School-wide undergraduate degree, and initiation of a subject in architectural construction and computation to be offered for the first time in fall 2005; restructuring of SMArchS teaching and advising in response to the retirement of longtime faculty member William Porter and the revision of the required introductory subject under a new name, Inquiry into Computation and Design; and the continued search for a new junior faculty member to bridge the Computation and Architectural Design groups. The Computation Lecture Series included 11 distinguished academics and practitioners: in the fall, Michael Leyton, Fredo Durand, Simon Greenwold, Tuba Kocaturk, William Porter, Natalie Jermijenko; and in the spring, Michael Fox, Malcolm McCullough, Mary Lou Maher, John Hamilton Frazer, and Paul Keel.

## Faculty Activities and Research

Terry Knight cochaired DCC'04, the first international conference on Design Computing and Cognition, and cochaired and wrote an invited paper for the Visual and Spatial Reasoning in Design '04 workshop, both held at MIT in July 2004. She continued work on computational synthesis, including the development of rule-based design tools. William Mitchell continued work on information and digital technologies in architecture, urban design, and society. Takehiko Nagakura continued work on visualization tools and grammar systems for design, including his Deskrama project (interactive projection machine for architecture sections), Unbuilt Chandigarh (visualization project), and ScripToShape/NITROS (shape grammar interpreter software development). He exhibited two previous projects in Europe. Larry Sass received HASS funding for a project in instant design manufacturing and lectured on aspects of his research on digital fabrication and prototyping. George Stiny's book, *Shape: Talking about Seeing and Doing*, is scheduled for release by MIT Press in November.

## Undergraduate Program

Leslie Norford, undergraduate officer, and Renée Caso, administrator for academic programs, continued to support and strengthen the undergraduate experience. Faculty members who served as undergraduate advisors, in addition to Leslie Norford, were Arindam Dutta, John Fernandez, Leon Glicksman, Bill Hubbard, Terry Knight, Paul Lukez (on leave, fall), Erika Naginski (on leave, fall), John Ochsendorf, Larry Sass, George Stiny, and Jan Wampler. Thirteen sophomores entered the department in AY2005, joining 13 juniors and 23 seniors to bring the total number of undergraduate majors to 49. A new elective subject, an intensive four-week workshop in design skills—including drawing, drafting, and model building—was offered during the January Independent

Activities Period to help students better prepare themselves for 4.104 Architecture Studio. The department sponsored a number of activities for undergraduates, including an open house for freshmen and admitted students, a new major orientation program, senior thesis presentations, and a celebratory senior dinner. The department also supported initiatives undertaken by the MIT chapter of the American Institute of Architects Students (AIAS), including a faculty lunch presentation by associate professor Ann Pendleton-Jullian, a department familiarization tour to introduce tools and resources to students new to studio, participation in the annual AIAS conference that took place in Boston in the fall, and a Campus Preview Weekend “Fun with Balsa” event for admitted students. Michelle Ha and Briar Lowe were undergraduate student representatives to the Architecture Student Council. Evan Pruitt and Cecilia Ramos spent the fall term in Delft as exchange students.

### **Aga Khan Program for Islamic Architecture**

The Aga Khan Program for Islamic Architecture (AKPIA) at MIT, established in 1979, is a leading program in the study of architecture and urbanism in the Islamic world. The program’s teaching and research mandate emphasizes research at the cutting edge of architecture, urbanism, and conservation; interpreting Islamic architecture in light of critical theories; and maintenance of an extensive and open database about architecture in the Islamic world. Its outreach activities include a lecture series, a travel grant program open to all students in the School of Architecture and Planning, and a visiting postdoctoral program, in addition to organizing a yearly international conference. In AY2005 the program consisted of two professors, one librarian, one visual material archivist, one administrative assistant, and a small number of graduate students (six PhD and six SMArchS students). Faculty, listed in the department under the History, Theory, and Criticism Program, were associate professor Nasser Rabbat, director of the program, and assistant professor Heghnar Watenpaugh (on leave). Visitors were Irvin Schick (fall) and Mohammad al-Asad (spring). Heghnar Watenpaugh was promoted to associate professor without tenure, effective July 1, 2005.

### **Program Activities**

One new PhD student and two new SMArchS students entered the program in AY2005. One PhD student and five SMArchS students graduated. AKPIA travel grants for AY2006 were awarded to Asra Aksamija and Zahra Pamela Karimi. Postdoctoral fellows were Yosef Jabareen, Munir Jiwa, Gulia Annalinda Neglia, and Abier Shamma. Lectures in the fall term were given by Ethel Sara Wolper, Holly Edwards, Bethany Walker, Sinan Antoon, Munir Jiwa, and Giulia Annalinda Neglia. Lectures in the spring term were given by recipients of the 2004 travel grants and by Elie Haddad, Alka Patel, Ahmad Hamid, Sinan Hassan, Abier Shamma, and Yosef Jabareen. AKPIA hosted an international conference at MIT on May 6-7, *Islamic Cities in the Classical Age*, organized by Nasser Rabbat. Two subjects are listed with MIT’s OpenCourseWare project and five more are under construction.

## Faculty Activities

Nasser Rabbat published a book, *Making Cairo Medieval*, which was coedited with Nezar AlSayyad and Irene Bierman (Lanham, MD: Lexington Press, 2005), and numerous articles in English and in Arabic. An edited book of essays on the courtyard house, a book of collected essays delivered at the Institut du Monde Arabe, in Paris, and a book on the 15th-century historian al-Mazqri are forthcoming. Rabbat also lectured widely, including the keynote address at the American Research Center in Egypt's annual meeting in Cambridge. Among other activities he moderated conference sessions, was external examiner for dissertations at the Politecnico de Bari, in Italy, and served on a number of academic, editorial, and grants advisory boards. Heghnar Watenpaugh was on leave in AY2005 as the recipient of a J. Paul Getty postdoctoral fellowship in the history of art and the humanities. She published a book, *The Image of an Ottoman City: Imperial Architecture and Urban Experience in Aleppo in the Sixteenth and Seventeenth Centuries* (Leiden: E.J. Brill, 2004) and participated in or attended conferences in Cambridge, Aix-en-Provence, Cairo, Beirut, San Francisco, Damascus, and Florence.

## Department of Architecture Enrollments

Course 4 counted a total of 263 students: 56 undergraduates (including one in Course 4-B), 89 MArch, 47 SMArchS/SM without specification, three SMBT, six SMVisS, 45 resident PhD, nine nonresident PhD, and three special (non-degree) students. There were two exchange students from Scuola di Studi Avanzati–Venice SAV, two exchange students from Technical University of Delft, and one exchange scholar from the University of California at Berkeley.

## Highlights of the Past Year

### Lectures

The Architecture Lecture Series welcomed Koichi Nagashima, David Billington, Stefan Behnisch, Marc Angélil, Waro Kishi, Ming Fung, Stefano Boeri, Yung Ho Chang, Mark Burry, Jürg Conzett, and Enrico Sicignano in the fall; and Santiago Calatrava, Marjetica Potrc, Michel Gondry, Sara Caples and Everardo Jefferson, and Winy Maas in the spring. The Arthur H. Schein Memorial Lecture was not given in AY2005. Stanford Anderson gave the 8th Felix Candela Lecture (cosponsored by the Department of Civil and Environmental Engineering). Carme Pinós presented the 12th Pietro Belluschi Lecture. The programs in Building Technology, Visual Arts, and History, Theory, and Criticism, Computation, and Aga Khan also sponsored lecture series that were open to the public.

### Publications

*Thresholds*, published twice a year as a journal edited and produced by students, is noted for developing diverse architectural themes in each issue. PinUp, also wholly edited by students, served as an internal newsletter. Beginning in the spring term, the Architecture Student Council assumed responsibility for appointing PinUp editors. Foundations is a periodic electronic newsletter sent to approximately 2,400 undergraduate and graduate alumni whose email addresses are registered with the Alumni Association. The newsletter contains brief items about the department as well as news of and opportunities for alumni.

## Architecture Student Council

The Architecture Student Council (ASC) played an active role in the governance and community life of the department. Through its officers, the ASC sponsored design competitions (Unuseless, Drill a Hole in Simmons Hall, Culture Lab's redesigned Steam Café), assumed responsibility for appointing *PinUp* editors (beginning in spring term), updated its website at <http://web.mit.edu/asc/index.html>, organized a Beaux Arts Ball, sent representatives to department committees and met with Dean Santos, solicited student input through Town Hall meetings, and initiated a forum with faculty members on intern compensation and the profession. ASC officers were Michael Ramage, president; Carlos Berrios, vice-president; Marcel Botha, treasurer; and Elliot Felix, secretary. Representing programs were Casey Renner and Meelena Oleksiuk-Baker (Level 1), Jimmy Shen and Coryn Kempster (Level 2), Michael Ramage and Elliot Felix (Level 3), Elizabeth Burow (MArch Thesis), Marcel Botha (SMArchS, Year 1), Scott Francisco (SMArchS, Year 2), Carlos Berrios (PhD, Design Technology), Lauren Kroiz (PhD, HTC), and Michelle Ha and Briar Lowe (BSAD).

## Student Awards and Fellowships

The Department of Architecture honored the accomplishments of the following graduate and undergraduate students:

- Alpha Rho Chi Medal for a graduating student for service, leadership, and promise of professional merit: Carl Solander
- AIA Certificate of Merit: Elizabeth Burow
- AIA Medal for top-ranking graduating MArch student: Danny C. Chan
- Exchange Scholar to the Technical University of Delft: Carolina Razelli
- Marvin E. Goody Awards: Philippe Block and Michael Ramage
- AIA Foundation Scholarship nominees: Stephen Perdue and James Shen
- Ann Macy Beha Traveling Fellowships: Robert Tim Campos, Midori Taki, and Ophelia Wilkins
- Marjorie Pierce/Dean William Emerson Fellowship Award for outstanding academic and design achievement by a Level 2 woman: Rebecca Edson
- Louis Rosenberg Travel Fellowship: Anahita Anandam and Christopher Coryn Kempster
- Renzo Piano Workshop Internship: Jelena Pejkovic
- Takenaka Internship: Luis Berrios-Negron
- William Everett Chamberlain Prize for achievement in design: Cecilia Ramos
- Outstanding Undergraduate Prize for academic and design excellence: Evan Pruitt

- Francis Ward Chandler Prize for achievement in architectural design: Charles Austin and William Jonathan Braddock
- Aga Khan Program Summer 2005 Travel Grants: Asra Aksamija and Zahra Pamela Karimi
- Murcutt Master Class Scholarship: Christopher Coryn Kempster
- 2005 Hyzen Travel Grants: Jennifer Ferng, Zahra Pamela Karimi, Fabiola Lopez-Duran, Mechtild Widrich
- Schlossman Research Fellowships: Joseph Dahmen and Maria Thompson
- Imre Halasz Thesis Prize: Christopher Muskopf
- Tucker Voss Award: Choong Ryun Oh
- SMArchS Prize: Philippe Block, Panagiotis Chatziksakyris, Nikki Moore
- Avalon Travel Grant: Lucia Allais and Jennifer Ferng
- Kristen Ellen Finnegan Memorial Award: Deborah Kully and Melanie Michailidis (awarded retroactively to 2004) and Lauren Kroiz (2005)
- Undergraduate Faculty Design Award: Stephen Form and Jennifer Gaugler
- Sidney B. Karofsky '37 Prize for the outstanding MArch student with one further year of study: Christopher Coryn Kempster
- Rosemary D. Grimshaw Award: Nicole Vlado

Institute and other awards recognized the following students:

- 2005–2006 Bourse Marandon Fellowship, La Société des Professeurs Français et Francophones d'Amérique and 2005–2006 Bourse Chateaubriand Fellowship, Cultural Service of the French Embassy in the US: Deborah Kully
- Drill a Hole in Simmons Hall Competition: Stephen Form and Christopher Coryn Kempster
- Harold Horowitz (1951) Student Research Fund: Talia Dorsey, Wanda Lau, and Emily Whiting
- Edward L. Horton Fellowship Award for fostering fellowship within the graduate student body: Scott Francisco and Nicholas Senske
- 2005–2007 Ittleson Predoctoral Fellowship, Center for Advanced Study in the Visual Arts, National Gallery of Art: Melanie Michailidis
- Henry Luce Research Fellowship: Lucia Allais, Patrick Haughey, Lauren Kroiz, and Michael Osman
- MIT-CCA Collection Research Fellowship: Michael Osman and Tijana Vujosevic

- 2005–2006 Andrew E. Mellon Postdoctoral Fellow, Cornell University: Talinn Grigor
- 2005–2006 Andrew Mellon Dissertation Fellowship, Institute for Historical Research: Kathy Borum
- 2005–2008 Paul Mellon Predoctoral Fellowship, Center for Advanced Study in the Visual Arts, National Gallery of Art and Fellow, Max Planck Institute for the History of Science, Berlin, Germany: Zeynep Celik
- Peter and Edith O'Donnell Grant for Presidential Studies, George Bush Presidential Library Foundation: Patrick Haughey
- The Harold and Arlene Schnitzer Prize in the Visual Arts: Luis Berrios-Negron (First Place) and Cecelia Ramos (Third Place)
- 2005 Doctoral Fellowship, Transatlantic Interdisciplinary Graduate Research Program, Berlin–New York: Florian Urban
- BSA Research Grant: Michael Ramage

**Adèle Naudé Santos**  
**Dean, School of Architecture and Planning**  
**Acting Head, Department of Architecture**

*More information about the Department of Architecture can be found online at <http://architecture.mit.edu/>.*