Canizares, Gibson get top posts

MIT Provost L. Rafael Reif has announced that Associate Provost Claude R. Canizares will become vice president for research and associate provost and that Professor Lorna J. Gibson will become associate provost, effective Tuesday, Aug. 1.

They will be part of an academic leadership team that includes the provost and Professor Philip S. Khoury, whose appointment as associate provost effective July 1 was announced in April.

In his new position, Canizares succeeds Professor Alice Gast, who will become president of Lehigh University on Aug. 1. As vice president for research and associate provost, Canizares will have overall responsibility for research policy, as well as for the Institute's research misconduct policies and process. He will have oversight of several major interdepartmental laboratories and centers and of MIT Lincoln Laboratory.

Several research-related offices report to the vice president for research as well, as does the Division of Comparative Medicine.

As associate provost, Gibson will oversee academic and space planning, including chairing the Committee for the Review of Space Planning. She will be responsible for faculty affairs, including faculty development and renewal. In addition she will have oversight of the policies and process for handling faculty grievances.

In making the announcement, Reif said, "I am delighted that Professors Canizares and Gibson have agreed to take on these new responsibilities on behalf of the Institute. They each bring a depth of experience, sound and thoughtful judgment, and a strategic perspective to their respective positions that will serve our academic enterprise very well. Together with Professor Khoury, they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MTI's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very well. Together they will form an outstanding leadership team, and I look forward to working with them to support our faculty and further MIT's academic enterprise very wel
MISTI helps bring iLabs to Chinese universities

Undergraduates are at the forefront of MIT’s latest efforts to share educational technology with China. On Tuesday, June 13, students joined MIT faculty at the first Asian MIT-iCampus Conference in Beijing, an unprecedented effort to introduce China’s top universities to iLabs, MIT’s free online remote laboratory initiative.

“iLabs allows students and educators anywhere to access MIT equipment to conduct science and engineering experiments,” said Alex Abelson, co-founder of the MIT-MicroSoft Research Alliance for Educational Technology and professor of electrical engineering and computer science at MIT.

“Universities can share what would ordinarily be extraordinarily expensive equipment, just using the Internet,” said Hal Abelson, co-founder of the MIT-Microsoft Research Alliance for Educational Technology and professor of electrical engineering and computer science at MIT.

Thousands of students in Europe, Asia, Africa and the Middle East have used iLabs in their studies, using such equipment as a heat exchanger (which is important in the chemical engineering curriculum) and a shake table (which engineering students can use to study earthquakes).

At the Beijing conference, the MIT faculty who invented iLabs demonstrated how the shared online laboratories can be integrated in the classroom, and representatives from the MIT-China Program (one of the eight work and study abroad programs organized by MISTI, the MIT International Science and Technology Initiative) explained the key role MIT students play in internationalizing iLabs.

A two-day technical workshop follows for the Chinese universities that want to employ the lab technology and design their own experiences.

Last summer, a team of undergraduates worked with Chinese students at Tsinghua University in Beijing through MISTI, demonstrating how to set up and access MIT’s free online course textbooks, courses and labs. The team also collaborated with back from the participants about how well the initiative worked within China’s educational system. "It's about introducing people to the technology so they can adopt it and use it," said tech fellow Leo Frank, a computer science student from Salt Lake City.

"There are different teaching methodologies between the two countries but we really learn from each other. It's really collaborative."
Joyous grads receive doctoral hoods

MIT Tech Talk
June 14, 2006

New mechanical engineering Ph.D. Anton Thomas receives his doctoral hood at MIT on Thursday, June 8, at Rockwell Cage.

Reunion classes give more than $46 million to MIT

More than 3,300 alumni and guests — from 106-year-old Charles Yardley Chittick (S.B. 1922) to the youngest Class of 2006 members — gathered last weekend to celebrate their MIT connections and give back to the Institute. Alumni gifts to MIT, reported at the annual Tech Day luncheon at the Johnson Athletic Center on Saturday, June 10, totaled $46,511,164.

The Class of 1956, which honored the 40-year-old tradition of donning red blazers at their 50th reunion, added to their class history of philanthropy with a five-year giving total of $136,515 from 22.6 percent participation rate, breaking the Institute record for a 40th reunion class, with gifts totaling $6,491,165. The 25th reunion class, 1981, turned in a $3,172,728 gift with 75 percent participation rate, setting a new Institute record for a 25th reunion class.

Three people were named honorary members of the MIT Alumni Association, a tradition since 1987. Dean for Graduate Students Ike Colbert, aeronautics and astronautics head Wesley L. Harris, and New House Housemaster Lisa Miloscia earned the honor for their outstanding service to the association and the Institute.

MIT community

Joyous grads receive doctoral hoods

Applause and shouts of glee erupted following the MIT tradition of honoring the substance over the style of doctoral regalia, Clay offered a swift decoding of the robe-and-hood ensemble, whose roots run deep in the Middle Ages, when scholars’ robes were needed for warmth and hoods were used to catch and store the meager coins their students tossed them. Today’s regalia have little practical value but immense symbolic power: They denote high academic achievement.

The senior class, spurred by a challenge from their 50th reunion, added to their giving total of $12,353,460. Reunion classes at their 50th reunion, added to their class history of philanthropy with a five-year giving total of $46,511,164. Reunion class history of philanthropy with a five-year giving total of $46,511,164.

Chancellor Phillip L. Clay greeted the family, originally from Pakistan, will move to Hong Kong after six years at MIT.

The Zhang family shared their fellow graduates’ affection for life at MIT “Eastgate was a great community for us,” Zhang said.

Chancellor Phillip L. Clay greeted the family, originally from Pakistan, will move to Hong Kong after six years at MIT.

The Zhang family shared their fellow graduates’ affection for life at MIT “Eastgate was a great community for us,” Zhang said.

“Make no mistake in understanding the potential of your hard-won new skills, because the world needs you as never before,” she said. “We loved living at Westgate. We had friends here,” she said. A specialist in economic development, Saadat had a “wonderful experience working with Sponsors and Partners at MIT,” she said. “The Boudreaus’ 1-year-old daughter Amelia, wiggled in her stroller as her mother strained to hear daddy’s name. The family will move to France, where Boudreau has a job at HEC School of Management, outside Paris.

As Marek Pycia worked toward the Ph.D. degree in economics, his wife, art historian Anna Pycia, enjoyed their five years living in Westgate, she said.

The MIT community is very friendly. I was very happy that as the spouse of a student I could borrow books from the libraries here. My favorite is Rotch. We were treated very well,” she said. Native of Warsaw, Poland, the Pycias will move to State College, Pa., Marek has a job there. Michael Zhang, a new Ph.D. in management, will be a professor at Hong Kong University of Science and Technology next fall, so he and his wife and their two daughters, Alannah, 4, and Ashley, 1 months, will move to Hong Kong after six years at MIT.

The Zhang family shared their fellow graduates’ affection for life at MIT “Eastgate was a great community for us,” Zhang said.

“Make no mistake in understanding the potential of your hard-won new skills, because the world needs you as never before.”

Susan Handcock
MIT President

Four people were named honorary members of the MIT Alumni Association, a tradition since 1987. Dean for Graduate Students Ike Colbert, aeronautics and astronautics head Wesley L. Harris, and New House Housemaster Lisa Miloscia earned the honor for their outstanding service to the association and the Institute.

“The MIT community is very friendly. I was very happy that as the spouse of a student I could borrow books from the libraries here. My favorite is Rotch. We were treated very well,” she said. Native of Warsaw, Poland, the Pycias will move to State College, Pa., Marek has a job there. Michael Zhang, a new Ph.D. in management, will be a professor at Hong Kong University of Science and Technology next fall, so he and his wife and their two daughters, Alannah, 4, and Ashley, 1 months, will move to Hong Kong after six years at MIT.

The Zhang family shared their fellow graduates’ affection for life at MIT “Eastgate was a great community for us,” Zhang said.

Reunion classes give more than $46 million to MIT

More than 3,300 alumni and guests — from 106-year-old Charles Yardley Chittick (S.B. 1922) to the youngest Class of 2006 members — gathered last weekend to celebrate their MIT connections and give back to the Institute. Alumni gifts to MIT, reported at the annual Tech Day luncheon at the Johnson Athletic Center on Saturday, June 10, totaled $46,511,164.

The Class of 1956, which honored the 40-year-old tradition of donning red blazers at their 50th reunion, added to their class history of philanthropy with a five-year giving total of $136,515 from 22.6 percent participation rate, breaking the Institute record for a 40th reunion class, with gifts totaling $6,491,165. The 25th reunion class, 1981, turned in a $3,172,728 gift with 75 percent participation rate.

Three people were named honorary members of the MIT Alumni Association, a tradition since 1987. Dean for Graduate Students Ike Colbert, aeronautics and astronautics head Wesley L. Harris, and New House Housemaster Lisa Miloscia earned the honor for their outstanding service to the association and the Institute.

The MIT community is very friendly. I was very happy that as the spouse of a student I could borrow books from the libraries here. My favorite is Rotch. We were treated very well,” she said. Native of Warsaw, Poland, the Pycias will move to State College, Pa., Marek has a job there. Michael Zhang, a new Ph.D. in management, will be a professor at Hong Kong University of Science and Technology next fall, so he and his wife and their two daughters, Alannah, 4, and Ashley, 1 months, will move to Hong Kong after six years at MIT.

The Zhang family shared their fellow graduates’ affection for life at MIT “Eastgate was a great community for us,” Zhang said.

Joyous grads receive doctoral hoods

MIT graduates receiving the Ph.D. or Sc.D. degree were investi...
President Hockfield's charge to the graduates

Below is the text of MIT President Susan Hockfield's charge to the graduates, delivered at MIT's 140th Commencement held June 9, 2006.

You, our graduates, are truly exceptional individuals. Even before you arrived here at MIT, you had already demonstrated your great talents and your willingness to work hard. But at MIT we raise the bar for ourselves and for one another. We challenge every member of our community to reach farther and to dream larger than ever before. Fortunately, along with MIT's challenge comes its inspiring teachers and guides: a brilliant faculty and, just as important, brilliant students.

Every part of the Institute — from lecture hall to residence hall, from problem sets to athletics, from the Public Service Center to the music practice rooms — has provided opportunities for your education: an education that embraces not just the subjects you have studied, but the lessons of how to work together for the common good and — probably the most important of all — how to live a life of learning.

You will draw on all these lessons after you leave here, because the world looks to you — the graduates of MIT — to take the lead in answering its most pressing challenges. And at times in the years ahead when a choice of direction presents itself, I hope you will ask yourselves, "Where can I do the most good? How can I make the greatest difference in the world?"

During your years here, your passion and ideas have already changed the world. You have tutored students in the life sciences and engineering to cure, and even to prevent, disease. You will develop ways to accommodate urban growth without urban sprawl. You will bring the benefits of economic growth to developing economies. And you will answer fundamental questions about nature and society.

And even as you take up the world's challenges, you will remain part of this community. At the close of this morning's ceremony, Scott Marks, the president of the Alumni Association, will formally welcome you into the association's membership. We hope that even after you leave campus, your lives will be enriched by an ongoing connection with the Institute.

It is my fervent hope that you will transmit the values that define this community to the other communities you will now join. I hope that you will see leadership as an opportunity to serve the common good. I hope that you will make integrity the touchstone of your judgments. That you will exemplify the pursuit of truth and an unwavering drive for excellence. And that you will continue to demonstrate the value of good, old-fashioned hard work.

Finally, and perhaps most crucially: I ask you to inspire others to realize that promise, we need to kindle in others the same love and passion for truth and discovery, for creativity and problem-solving, that brought all of us here. I hope that you will lead the way.

For your accomplishments on this campus, I offer my congratulations, graduates of MIT!

Families weather ceremony with style

MIT Commencement is a family affair for the Hemonds. From left are graduate student Brian Hernando; his mother, Carol Thomason; his brother Christopher Hernando, who received the S.B. in brain and cognitive sciences; their father, Professor Harold F. Hernando; and brother Michael Hernando, also a graduate student.

The crowd gathered on Kihillian Court managed to keep the mood sunny despite the clouds hanging in the sky over MIT's 140th Commencement exercises, held Friday, June 9.

"It could have been uncomfortable if it had rained like yesterday," said Dottie Ferrara, who was in Boston from Crete, Ill., to watch her daughter, Aimee Vessell, get her M.B.A. from the MIT Sloan School of Management.

Wearing a gold coat and sparkly jewelry, Ferrara brought her two close family friends — wore one of the floral leis that were air-shipped delayed that the trip took 25 hours in total, according to Shoch-Rodriguez's mother, Fay Schoch. Still, they said they would not have missed the day.

"This was her heart's dream," her mother said.

Many graduates were creative in their grading, particularly when it came to headgear. One senior who earned her S.B. in mechanical engineering, put her degree to good use by constructing a series of tassels atop her mortarboard.

Another graduate wore a giant carrot easily visible amid the sea of black. But it was far from being the only accessory that had fun with headwear. David Gold, senior Class of 1950, wore a red beret — the perfect match to his reunion red jacket.
continued from Page 1

You set the bar high in entering MIT, and you are setting it higher by graduating from it.

Sylvain Bruni
Graduate Student Council president

selves. ‘Where can I do the most good? How can I make the greatest difference in the world?’

Hockfield also asked the Class of 2006 to ‘inspire your own generation and the generations to come with a renewed sense of possibility and optimism for the future. Here at MIT, we see up close the myriad ways in which science and technology promise to benefit humankind. If we are to realize that promise, we need to kindle in others the same love and passion for truth and discovery, for creativity and problem-solving, that brought us all here.’

Miriam Rosenblum, MIT Jewish chaplain, delivered the invocation. She quoted from the Book of Lamentations, in Hebrew and in English, the very values each of the subsequent speakers stressed — love of learning, service and acts of loving kindness — and urged the graduating class to ‘use learning as a force for good.’

Hockfield presented the following degrees: bachelor of science; bachelor of science/master of science; bachelor of science/master of science/master of science; master of engineering; and advanced degrees in the School of Science, the Woods Hole Oceanographic Institution and the Whitaker College of Health Sciences and Technology.

Provost L. Rafael Reif awarded advanced degrees in the Schools of Architecture and Planning; Engineering; Humanities, Arts and Social Sciences; and in the MIT Sloan School of Management.

For the full text of Bernanke’s Commencement address, visit web.mit.edu/comm-soffice/2006/comm-bernanke.html.

continued from Page 1

You are now part of MIT history. You have entered a lifelong contract that binds you to use your leadership skills and abilities. Strive for greatness! You set the bar high in entering MIT, and you are setting it higher by graduating from it,” he said.

Kimberley Wu, president of the Class of 2006, praised the class for its commitment to public service, noting its record-setting level of participation in donating to the annual class gift, and praising their involvement in hurricane relief, Habitat for Humanity, local tutoring and healthcare programs.

Wu presented President Susan Hockfield with the senior class gift, a check for $31,000 to fund student life scholarships. She then led her peers in the turning of the brass rat, a ritual in which the MIT class ring is reversed on the finger to denote alumni status.

Making a difference

In her charge to the graduates, Hockfield emphasized the leadership roles MIT graduates could take. “At times in the years ahead when a choice of direction presents itself, I hope you will ask your-
Corporation names new members

The MIT Corporation, the Institute’s board of trustees, elected 10 term members at its quarterly meeting on Friday, June 9. Dana G. Mead, chair of the Corporation, announced the election results.

All memberships are effective July 1. At that point, the Corporation will consist of 74 distinguished leaders in education, science, engineering and industry; of those, 22 are life members and eight are ex officio. An additional 29 individuals are life members emeriti, participating in meetings but without a vote.

It was also announced at the meeting that Martin Y. Tang has been named the 2006-2007 president of the Association of Alumni and Alumnae of MIT. As such, he becomes an ex officio member of the Corporation.

The MIT Corporation

MIT Sloan School of Management. He earned a bachelor’s degree from Cornell University before attending MIT’s Sloan School, where he earned an M.S. in management in 1972. He will be the first internationally based Alumni Association president.

MIT Sloan School of Management. He earned a bachelor’s degree from Cornell University before attending MIT’s Sloan School, where he earned an M.S. in management in 1972. He will be the first internationally based Alumni Association president.

MIT Sloan School of Management. He earned a bachelor’s degree from Cornell University before attending MIT’s Sloan School, where he earned an M.S. in management in 1972. He will be the first internationally based Alumni Association president.

MIT Sloan School of Management. He earned a bachelor’s degree from Cornell University before attending MIT’s Sloan School, where he earned an M.S. in management in 1972. He will be the first internationally based Alumni Association president.

MIT Sloan School of Management. He earned a bachelor’s degree from Cornell University before attending MIT’s Sloan School, where he earned an M.S. in management in 1972. He will be the first internationally based Alumni Association president.

MIT Sloan School of Management. He earned a bachelor’s degree from Cornell University before attending MIT’s Sloan School, where he earned an M.S. in management in 1972. He will be the first internationally based Alumni Association president.

MIT Sloan School of Management. He earned a bachelor’s degree from Cornell University before attending MIT’s Sloan School, where he earned an M.S. in management in 1972. He will be the first internationally based Alumni Association president.

MIT Sloan School of Management. He earned a bachelor’s degree from Cornell University before attending MIT’s Sloan School, where he earned an M.S. in management in 1972. He will be the first internationally based Alumni Association president.

MIT Sloan School of Management. He earned a bachelor’s degree from Cornell University before attending MIT’s Sloan School, where he earned an M.S. in management in 1972. He will be the first internationally based Alumni Association president.

MIT Sloan School of Management. He earned a bachelor’s degree from Cornell University before attending MIT’s Sloan School, where he earned an M.S. in management in 1972. He will be the first internationally based Alumni Association president.

MIT Sloan School of Management. He earned a bachelor’s degree from Cornell University before attending MIT’s Sloan School, where he earned an M.S. in management in 1972. He will be the first internationally based Alumni Association president.

MIT Sloan School of Management. He earned a bachelor’s degree from Cornell University before attending MIT’s Sloan School, where he earned an M.S. in management in 1972. He will be the first internationally based Alumni Association president.

MIT Sloan School of Management. He earned a bachelor’s degree from Cornell University before attending MIT’s Sloan School, where he earned an M.S. in management in 1972. He will be the first internationally based Alumni Association president.

MIT Sloan School of Management. He earned a bachelor’s degree from Cornell University before attending MIT’s Sloan School, where he earned an M.S. in management in 1972. He will be the first internationally based Alumni Association president.

MIT Sloan School of Management. He earned a bachelor’s degree from Cornell University before attending MIT’s Sloan School, where he earned an M.S. in management in 1972. He will be the first internationally based Alumni Association president.

MIT Sloan School of Management. He earned a bachelor’s degree from Cornell University before attending MIT’s Sloan School, where he earned an M.S. in management in 1972. He will be the first internationally based Alumni Association president.

MIT Sloan School of Management. He earned a bachelor’s degree from Cornell University before attending MIT’s Sloan School, where he earned an M.S. in management in 1972. He will be the first internationally based Alumni Association president.

MIT Sloan School of Management. He earned a bachelor’s degree from Cornell University before attending MIT’s Sloan School, where he earned an M.S. in management in 1972. He will be the first internationally based Alumni Association president.

MIT Sloan School of Management. He earned a bachelor’s degree from Cornell University before attending MIT’s Sloan School, where he earned an M.S. in management in 1972. He will be the first internationally based Alumni Association president.
Kathryn Willmore recalls 40 years at MIT

Kathryn Willmore, vice president and secretary of the Corporation, will retire at the end of June, after more than 40 years at MIT. Willmore has worked closely with every MIT president from Howard Johnson to Susan Hockfield and has been the public face of communications at the Institute for more than two decades.

Recently, Willmore reflected on her time at MIT with Patti Richards, senior communications officer in the MIT News Office. Excerpts are below. For the full text, visit web.mit.edu/newsoffice/tech-talk-pubsked.html.

Q. When you graduated from Mount Holyoke College, you came directly to MIT?
A. Yes. And I’ve stayed here because the times and the issues have always been interesting, and the people have been the best. MIT is always changing; there is always a tremendous energy here and I learn something new every day; and I can’t imagine having a better group of colleagues — staff, faculty and students — to work with. And there’s the sense of being part of an institution that really makes a difference in the world. That’s been extraordinarily fulfilling to me.

Q. Is there a particular period of time that you remember fondly?
A. In the late ’60s and early ’70s … campuses everywhere were in turmoil because of the Vietnam War. During that time, there were women, and 2 percent of the faculty. And there were almost no women on the administrative staff … MIT today is a very different place. We’re faculty. And there were almost no women on the administrative staff... MIT today is a very different place. We’re not where we should be in all respects, but we’re a far cry from those days.

Q. In terms of our intellectual map, there have been profound changes. I don’t think most of us could have imagined the implications of the early developments in molecular biology and computation, for example, on our research and teaching today. Or that earlier work would be incorporated into the name of one of our schools. Or that the world would look to MIT as the leader in brain sciences as well as linguistics and economics. Or that we would be using the Internet to share our teaching materials for free with the world.

Q. What are some of the changes to the MIT culture that you’ve noticed in your time here?
A. Well, the demographics are really different, for one thing. When I came to MIT it may be that 3 percent of the students were women, and 2 percent of the faculty. And there were almost no women on the administrative staff … MIT today is a very different place. We’re not where we should be in all respects, but we’re a far cry from those days.

Q. What have been the most significant accomplishments of your tenure?
A. I’ve been very lucky to have had the support of a wonderful group of colleagues all along. And as I’ve said on other occasions, I’ve found that the more open I am as a person and as a lesbian, the easier it has been to hold the center in myself, to claim my place at MIT and to make a difference in MIT.

Q. How has communications at MIT changed over the years?
A. It’s faster, it’s richer, and a lot more complex. In the old days all the administrative announcements and news were conveyed in a publication gray interoffice envelopes mailed around the campus. Tech Talk began as an eight- and a-half-by-11 newsletter intended to go away with all the other envelopes, and eventually evolved into a newspaper. Press releases were typed up and sent to newspapers via small mail, or if we were in a hurry, by bicycle or cab.

Today, MIT news appears daily on the News Office web site and there are about one hundred blogs and forums on web pages at MIT. Email is ubiquitous. The admissions office uses blogs to reach potential students and e-cast and podcast all sorts of stuff. We send our course materials all over the world via OCW (OpenCourseWare). These days, there is not a single “MIT” voice, not that there ever was — it’s just much easier for all those voices to be out there.

Q. What are your hopes for MIT going forward?
A. This country and this world are going to depend more and more on a deep understanding of science and technology and their implications. We have to make sure that we draw the best students to MIT — including women, including gay people, thinking they’re going to be chemists or bioengineers. Or who have the interest and the talent but may never have thought of MIT as a place for them. In the same vein, we also need to bring and keep the best faculty. That’s how we’ll have our best impact on the world.

And I hope we will play an even greater role in helping the larger society to understand the importance of science, technology and related fields to our collective future. In the 60s and 70s and even the 80s, I didn’t think that there was such a strong sense that we needed to educate the world about these things. But it’s really critical that we do, and that — as a community — we continue to work with the faculty so that not only their accomplishments but also their passion for what they do comes through.

We’ll always be a leader in defining new fields. I hope that in the next 10 years MIT will be at the forefront of the most important discoveries and approaches in energy, bioengineering and related fields. And I hope we will be synonymous with discoveries and fields that we don’t yet imagine.

Siemens gift to enhance Vassar Street

Sarah H. Wright
News Office

A major new gift from the Richard P. Simmons family will enable landscape architects and planners to realize their design for a bicycle-friendly, pedestrian-scale Vassar Streetscape west of Massachusetts Avenue, President Susan Hockfield announced to the MIT Corporation on Friday, June 9.

“We are grateful to the Simmons family for their important, generous and timely gift. Completing the Vassar Streetscape will do more than unite the MIT campus architecturally: it will also enhance the quality of student life by encouraging members of the Institute community to walk or bike beneath the new trees on Vassar Street,” said Hockfield.

Vassar Streetscape, connecting Main Street to Massachusetts Avenue, now features a cycle track, new light fixtures and new young trees.

Vassar Street West, running from Massachusetts Avenue to Audley Street, will offer a cycle track, new light fixtures, new Lace Bark Elm trees, chosen for their “canopy” effect once grown, and a crosswalk, complete with a speed table, in front of Simmons Hall. The West Garage and Anne will be maintained for parking. Construction of the new streetscape will take about two years. Richard P. Simmons ’61, B.S. A ’61, and his family have previously provided major gifts in support of student housing, winning initiatives at the Institute. In recognition of their generosity, MIT named the student residence on Vassar Street, built in 2002, in honor of Simmons’ late wife and philanthropist partner, Dorothy Simmons.
The Namib Desert beetle, one of the driest regions in the world, gets less than half an inch of rain per year. But early in the morning light fog drifts over the desert, offering the plants and animals living in that harsh environment their only chance for a life-sustaining drink.

When that fog rolls in, the Namib Desert beetle sprays a moisture-collection system exquisitely adapted to its desert habitat. Inspired by this dime-sized beetle, MIT researchers have produced a new material that can capture and control tiny amounts of water.

The material combines a superhydrophobic (water-repelling) surface with superhydrophilic (water-attracting) bumps that trap water droplets and control water flow. The material, which was published in an online version of Nano Letters on Tuesday, May 2.

Potential applications for the new material include devices that could create a lab on a chip for diagnostics and DNA screening, or for testing new pharmacological devices and cooling devices, according to lead researchers Robert Cohen, the St. Laurence Professor of Chemical Engineering, and Michael Rubner, the TDK Professor of Polymer Materials Science and Engineering.

The U.S. military has also expressed interest in the material as a self-decontaminating surface that could channel and collect fuel substances.

The researchers got their inspiration after reading a 2001 article in Nature describing how the Namib Desert beetle’s moisture-collection strategy. Scientists had already learned to copy the water-repellent lotus leaf, and the desert beetle’s self-cleaning seemed like another good candidate for “bio-mimicry.”

“If you sat at your desk and tried to just think of ways to do things, it would take you a day at best,” Cohen said. “Once you see these things in action, it’s obvious what you have to do.”

For decades, universities and corporations have fielded research involving all five MIT schools. “We hope to have an impact on not only the field of solar vehicles that might one day be mass produced, but on the public domain,” Cohen said. “I think there could be a lot of applications we haven’t even thought of yet that might come out of this.”

The research is funded by the Defense Advanced Research Projects Agency and the National Science Foundation.

---

Student summit set on vehicle design

Deborah Halber
News Office Correspondent

Seventy-three students from 21 universities around the world will gather at MIT this summer to design and build between five and 10 commuter vehicles that explore human power, biotechs, solar technologies and fuel cells to travel at least 50 miles per gallon of fuel.

By the end of the MIT Vehicle Design Summit, the cars created by the students, who have previously designed solar racers for the World Solar Challenge (WSC) and super-ultralight vehicles for the European Shell Eco-Marathon, will tour the country to bring attention to the social and technological issues surrounding alternative-powered vehicles.

For the sixth year, 15 teams have been asked to design a project-based, socially conscious engineering curriculums for the ‘06-‘07 academic year,” said Anna S. Jaffe, the summit student organizers.

An added goal for the June 13-Aug. 13 program is to lay a foundation for ongoing multidisciplinary transportation research involving all five MIT schools. “We hope to create a project-based, socially conscious engineering curriculum for the ‘06-‘07 academic year,” said Anna S. Jaffe, a junior in civil and environmental engineering and one of the summit student organizers.

Green transportation

The summit also could set the stage for an international consortium focused on green transportation for India, China and other countries with rapidly expanding transportation infrastructure.

The students will work with industry and academia speakers and mentors to create the vehicles. Through a partnership with Autodesk Media Lab’s Fab Lab, additional cars will be designed to be built at Fab Labs in Norway, Costa Rica, India, Ghana and South Africa.

The Fab Lab program, part of MIT’s Center for Bits and Atoms, explores how information relates to physical representation. The Fab Lab’s partner organizations around the world are geared toward allowing ordinary people to design machines to improve the quality of their lives.

For decades, universities and corporations have fielded researchers can control the surface texture of the material. Each time the substrate is dipped into solution, another layer of charged polymer coats the surface, adding texture and making the material more porous. Silica nanoparticles are then added to create an even rougher texture that helps trap water droplets.

The material is then coated with a Tel- lon-like substance, making it superhydrophobic. Once that water-repellent layer is laid down, layers of charged polymers and nanoparticles can be added in certain areas, using a properly formulated water/alcohol solvent mixture, thereby creating a superhydrophobic pattern. The researchers can manipulate the technique to create any kind of pattern they want.

“I think this is the factory of the future, or the chemical plant of the future,” Cohen said. “I think there could be a lot of applications we haven’t even thought of yet that might come out of this.”

The research is funded by the Defense Advanced Research Projects Agency and the National Science Foundation.

---

Joannopoulos to lead ISN

Elizabeth Thomson
News Office

John Joannopoulos, the Francis Wright Davis Professor of Physics, has been appointed director of the Institute for Soldier Nanotechnologies (ISN) effective Saturday, July 1.

“Professor Joannopoulos is an exceptional researcher of international standing who enthusiastically has leadership in condensed matter physics will be a tremendous asset to ISN,” said Alice P. Gast, vice president for research and associate provost, who announced the appointment.

“Joannopoulos has an exciting vision for enhancing ISN visibility and integration with the MIT campus and for promoting long-term visionary research,” she said.

Gast also thanked the search committee members, Timothy Steger, Mary Boyce and Michael Rubner, for their effective work in the selection process.

Commenting on his new position, Joannopoulos said, “I am truly honored to be taking on the leadership of a major laboratory whose focus is on developing cutting-edge science and technology to enhance the survivability of our men and women in the field.”

Joannopoulos succeeds the ISN’s founding director, Professor Edwin L. Thomas, who has assumed the position of leader of the Department of Materials Science and Engineering.

In her announcement, Gast recognized Thomas “outstanding leadership and vision” for ISN. “We are extremely grateful to Ned for his tireless service bringing ISN to MIT and helping it to thrive here.”

The ISN, a $30 million research collaboration between the U.S. Army and MIT, aims to enhance the protection and survival of soldiers using nanotechnology.

---

Beetle spawns new material

Anne Trafton
News Office

The Namib Desert beetle, one of the driest regions in the world, gets less than half an inch of rain per year. But early in the morning light fog drifts over the desert, offering the plants and animals living in that harsh environment their only chance for a life-sustaining drink.

When that fog rolls in, the Namib Desert beetle sprays a moisture-collection system exquisitely adapted to its desert habitat. Inspired by this dime-sized beetle, MIT researchers have produced a new material that can capture and control tiny amounts of water.

The material combines a superhydrophobic (water-repelling) surface with superhydrophilic (water-attracting) bumps that trap water droplets and control water flow. The material, which was published in an online version of Nano Letters on Tuesday, May 2.

Potential applications for the new material include devices that could create a lab on a chip for diagnostics and DNA screening, or for testing new pharmacological devices and cooling devices, according to lead researchers Robert Cohen, the St. Laurence Professor of Chemical Engineering, and Michael Rubner, the TDK Professor of Polymer Materials Science and Engineering.

The U.S. military has also expressed interest in the material as a self-decontaminating surface that could channel and collect fuel substances.

The researchers got their inspiration after reading a 2001 article in Nature describing how the Namib Desert beetle’s moisture-collection strategy. Scientists had already learned to copy the water-repellent lotus leaf, and the desert beetle’s self-cleaning seemed like another good candidate for “bio-mimicry.”

“If you sat at your desk and tried to just think of ways to do things, it would take you a day at best,” Cohen said. “Once you see these things in action, it’s obvious what you have to do.”

For decades, universities and corporations have fielded research involving all five MIT schools. “We hope to have an impact on not only the field of solar vehicles that might one day be mass produced, but on the public domain,” Cohen said. “I think there could be a lot of applications we haven’t even thought of yet that might come out of this.”

The research is funded by the Defense Advanced Research Projects Agency and the National Science Foundation.