Volume 49 – Number 17
Wednesday – February 9, 2005

TechTalk
SERVING THE MIT COMMUNITY

Undergrad IDs super-sized stars

Elizabeth Thomson
News Office

An MIT undergraduate who says she's been interested in astronomy for "as long as I can remember" is lead author of an upcoming paper announcing the discovery of three stars that have the largest diameters of any normal stars known, more than a billion miles across.

Emily Levesque, a junior in physics, presented the work at a recent American Astronomical Society meeting, where it caught the attention of many reporters and resulted in stories in a variety of media, from USA Today to CNN and space.com.

Emily Levesque

Levesque was part of an international team that studied 74 red supergiant stars in the Milky Way. Red supergiants, massive stars nearing the ends of their lifetimes, are extremely cool and luminous—and very large.

"The aim of the project was to re-determine the effective temperature scale of these supergiants," said Levesque. That's because there has been significant disagreement between the theory of how large and cool these stars should be, and how large and cool astronomers actually observe them to be.

This research finally reconciles theory and observation. According to Philip Massey, an astronomer at Lowell Observatory and the project's leader, "The problem in this case turned out not to be the theory, but the observations—the conversion between the observed qualities (brightness and spectral type) and the deduced properties (temperature and luminosity and/or size) needed improvement."

With the new temperature scale in hand, "we calculated the radii of the red supergiants, and found that they were extremely large," said Levesque, who got involved in the work through the National Science Foundation's Research Experience for Undergraduates program at the Lowell Observatory.

Three of the stars have radii about 1,500 times that of the sun, or about seven astronomical units (AU). The previous record holder comes in a close fourth in size. For comparison,

See **SUPER-SIZED STARS**
Page 4

King's legacy celebrated at MIT

Gwen Ifill tells of her own search for truth and justice

Sarah Wright
News Office

Political journalist Gwen Ifill joined two MIT student speakers in a tribute to the achievements and ideals of Dr. Martin Luther King Jr. at the 31st annual MIT breakfast to celebrate the life and legacy of the slain civil rights leader.

The celebratory breakfast was held on Thursday, Feb. 3 in Morss Hall at Walker Memorial. The large room seats about 550 people; it was filled to capacity.

The year's theme was "Justice and Equality for All: America's Moral Dilemma." The mistress of ceremonies was Saundra Quinlan, a senior in mechanical engineering. Sarah Gonzalez, a sophomore in management, and Jonathan Gibbs, a junior in aeronautics and astronautics, spoke on the crucial role of programs such as the Minority Introduction to Engineering and Science (MITES) and Project Interphase in countering the psychological undertow they felt from low expectations by teachers, peers or society at large.

RELATED STORIES
Page 5

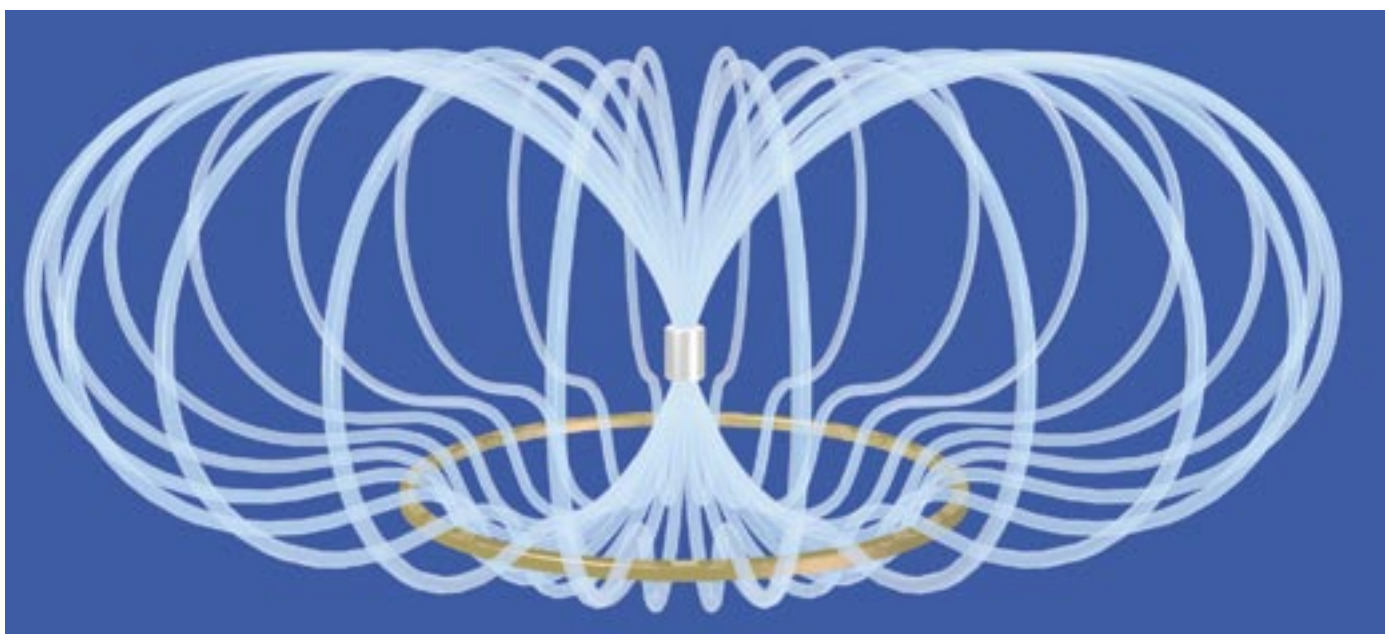
MIT President Susan Hockfield introduced Ifill, the keynote speaker. "In bringing the MIT community together each year, this breakfast asks us to renew our commitment to the values Dr. King articulated and that he exemplified in his own life and work. This morning reminds up that it is our collective responsibility to meet the need for a more just and humane society," Hockfield said.

"It is essential that MIT is a welcoming and supportive place for anyone, from any background, who has the talent and

See **IFILL**
Page 5

PHOTO / **DONNA COVENEY**

Journalist Gwen Ifill, who delivered the keynote speech at the annual Martin Luther King Jr. breakfast on Feb. 3, shares conversation with Ayanna Samuels, a graduate student in aerospace engineering and the Technology and Policy Program.



Museum exhibition displays physical laws, like Faraday's

The MIT Museum is offering an insider's view of how MIT is redesigning its beginning physics course. Technology-enabled active learning (TEAL) merges lectures, hands-on desktop experiments and simulations to create a rich learning experience. Through visualizations of complex physical phenomena and the associated desktop experiments, the three-phase exhibition at the museum follows the progression of course 8.02 (Introduction to Electricity and Magnetism). The image above shows the magnetic field of a permanent magnet falling through a conducting ring. As it falls, the magnetic flux through the ring increases, inducing a current in the ring. The induced current generates a magnetic field that opposes the field of the magnet, which can be seen at the bottom of the image where the fieldlines are compressed away from the ring. This phenomena is known as Faraday's Law. A second physics visualization appears on page 4.

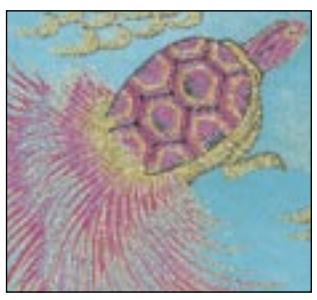
NEWS

GREENING THE CAMPUS
A support staff committee has been the driving force behind a significant campus-wide increase in recycling.
Page 2

COFFEEHOUSE KARAOKE
SaveTFP puts on weekly alcohol-free events like karaoke night at the Coffeehouse.
Page 3

EUROPE OR BUST
The European Job Fair drew people from as far away as Illinois for interviews with international firms.
Page 2

CALL FOR DIVERSITY
President Hockfield reiterates MIT's commitment to building a diverse and supportive community.
Page 5



TAILED TURTLES
A new show at the List Center features original fabrics by Kimsooja.
Page 7

Recycling plan pushed by staff

Sasha Brown
News Office

The Working Group on Support Staff Issues' Recycling Committee started in 1999, when only 5 percent of the Institute's waste was being recycled annually.

By the end of 2005, MIT—supported by the Working Group's Recycling Commmittee (WGR) and the City of Cambridge—has set an annual goal of 40 percent.

They are close. During the month of November 2004, 41 percent of MIT's trash was recycled. The current annual rate is 25 percent.

"Most of that recycling would have been trash in 1995," said Steven Lanou, program manager for sustainability initiatives in the Environmental Programs Office and a member of the WGR.

The vast increase in recycling awareness is due in large part to the tireless efforts of WGR to get the word out about recycling and a "greener" lifestyle.

The MIT Working Group on Support Staff Issues (WGSSI) was established in 1975 to address issues of concern to support staff at MIT. The WGR sub-committee's mission is to "develop and deliver programs that educate administrative and support staff about recycling, reducing and reusing goods." In the past four years, the WGR has come up with new and creative ways to meet its mission.

This year's theme of "creative collaboration" has the WGR joining forces with other campus groups, including the Department of Facilities, Sodexho, the Real Estate Office and the Environmental Programs Office, and the City of Cambridge. Such collaboration has helped in the group's success.

"We felt it was very important to develop a collaborative effort," said Anne Wasserman, assistant to the director of the Microsystems Technology Laboratories and co-chair of the WGR, who credits the support of the WGSSI sponsor, Laura Avakian, vice president for Human Resources, and Jamie Lewis Keith, senior counsel and managing director for Environmental Programs and Risk Management, for helping the committee succeed.

One of the projects WGR is most proud of is The Monthly Bale, a newsletter launched last fall. With a distribution of 4,000 and growing, the e-mailed Bale dispels myths and gives recycling tips, said editor and WGR co-chair, Amy Donovan. The December 2004 issue provided tips on "Greening Your Holidays" with advice such as using e-mail for invitations and recycled paper for holiday cards.

"Many people say things like, 'Wow. I didn't know you could recycle batteries. Next time I will,'" said Donovan.

Artist and designer Mara Karapetian, a media specialist in the Microsystems Technology Laboratory, designs The Monthly Bale and the downloadable paperless calendar, which also started last fall. Karapetian is conscious of keeping everything produced by WGR both environmentally friendly and visually appealing.

"If eye candy is what it takes to get the word out and get us noticed, then that is okay with me," Karapetian said with a laugh.

The WGR also has more than 100 "recycling ambassadors" who assume a recycling leadership role in their departments. "We wanted to make involvement easy," said Wasserman.

This year, MIT dormitories are participating for the first time in the national RecycleMania contest that pits the Institute's dorms against more than 45 of the nation's top university recycling programs to see who can recycle the most trash. The contest runs through April 9.

"The ultimate goal really is to promote recycling," said Lanou. "This contest just makes it fun for the participants."

European job-seeking made local

Job seekers came to Rockwell Cage from as far away as Illinois and Quebec last weekend for the chance to interview with representatives of 43 international firms at MIT's European Career Fair, the only fair of its kind in the U.S.

More than 2,500 people attended the fair on Friday, Jan. 28 and interviewed with companies through Sunday, Jan. 30. The organizers, members of the MIT European Club, collected more than 3,100 resumes of candidates from MIT, Harvard and area colleges in advance, and arranged 385 interviews beforehand.

Now in its ninth year, the fair is one of the leading European-focused recruiting events in the United States. Club members initiated the fair in 1996 to facilitate the recruiting and interviewing of candidates for European branches of U.S. firms and for European companies. The first year, they collected 300 resumes.

This year the fair was endorsed by former European Commission President Romano Prodi, German Ambassador to the U.S. Wolfgang Ischinger and Boston Mayor Thomas Menino. Some of the companies that attended are Accenture, AgustaWestland, Barilla, the Boston Consulting Group, Deutsche Lufthansa, Deutsche Bank, Goldman Sachs, Michelin, Nokia, Procter & Gamble, Shell and Siemens Management Consultants.

"One company's representative praised the fair for its 'absolutely professional organization and stellar candidates,'" said Michael Koeris, a visiting scholar in the Department of Biology who was born in Hungary and grew up in Germany. Koeris co-chaired the fair with Alexander Schellong, another German member of the club who is a fellow at Harvard's Kennedy School of Government. Each put in about 60 hours a week in the weeks leading up to the fair and about 100 hours the week before. They were helped by about 35 club volunteers, each of whom put in about 10 hours a week.

The European Club is already planning for next year's fair, Feb. 3 to 5.

PHOTO / **DONNA COVENEY**

Bubble trouble

Media Lab graduate student Ben Dalton admires the products of the bubble machine he helped design, build and connect to the air vent behind the chemistry building during the last week of IAP.

AWARDS AND HONORS

Four biology students were awarded $250 cash prizes for their exceptional research and presentations at the Jan. 27 Biology Undergraduate Research Symposium. The winning students are juniors **Lakshmi Nambiar**, **Leslie Rozeboom** and **Alicia Zhou**, and senior **Veronica Zepeda**. Thirteen students presented their research to faculty members at the event, the first at which students were presenters.

"I think the symposium was a great idea because it encouraged us to think critically about our UROPs and gave us the unique opportunity to share our research with the rest of the MIT biology community," said Zhou.

Zhou, who works in Professor Robert Weinberg's lab, was recognized for her investigation of the ability of different transcription factors to induce an epithelial-mesenchymal transition (EMT), a process important for cancer metastasis.

Nambiar, who works in Professor Herman Eisen's lab, talked about her work developing a novel method to determine the steady state number of accessible Class I MHC molecules on the cell surface and the rate at which these molecules become accessible to peptide ligands.

Rozeboom presented research she performed in Professor Vernon Ingram's lab on small molecules that prevent and reverse harmful ß-sheet aggregation of the protein at least partly responsible for the pathology of Alzheimer's disease.

Zepeda, a senior in Professor Jonathan King's lab, discussed the four tryptophan to alanine mutations in human D crystallin she created and later tested the effects on stability through equilibrium and kinetic folding experiments and thermal denaturations.

—Shirali Pandya

The **List Visual Arts Center** has won two awards from the Boston branch of the Association Internationale des Critiques d'art, (AICA), an international association of art critics. The List Center's "Michael Joo" (Fall 2003) won Best Monographic Museum Show and "Son et Lumiere" (Winter 2004) received the award for Best Thematic Museum Show.

The awards ceremony will take place on March 9 at 7:15 p.m., at the Davis Museum and Cultural Center at Wellesley College in conjunction with the opening from 5 to 7 p.m. of three new exhibitions.

AICA was founded in 1949 as a non-profit governmental affiliate of UNESCO. The Paris-based organization aims to protect the field of art criticism as a discipline and emphasize its contribution to society, and to act on behalf of the moral defense of works of art. This is the third year the Boston regional chapter is holding its own awards ceremony.

Dante Anzolini, associate professor of music, has been named music director of the Orchestra of the Argentine Theater, effective Feb. 15.

Belmont Publishers soon will publish Anzolini's piano version of the Variations for Orchestra by Arnold Schoenberg. Schoenberg's grandson agreed on the contract to publish Anzolini's score, the first and only piano version of the work.

HOW TO REACH US

News Office
Telephone: 617-253-2700
E-mail: newsoffice@mit.edu
http://web.mit.edu/newsoffice

Office of the Arts
http://web.mit.edu/arts

Printed on recycled paper

Publisher
Arthur Jones

Interim Editor
Denise Brehm

Photojournalist
Donna Coveney

Production
Roger Donaghy

News Office Staff

Director ..... Arthur Jones
Senior Communications Officer ..... Patti Richards
News Manager/Editor ..... To be appointed
Associate Editor/Writer ..... Denise Brehm
Assistant Director/
Science and Engineering News .... Elizabeth Thomson
Communications Officer ..... Kristen Collins
Assistant Director/Photojournalist ..... Donna Coveney
Senior Writer ..... Sarah Wright
Web Developer/Editor ..... Lisa Damtoft
Reporter/Writer ..... Sasha Brown
Operations/Financial Administrator ..... Myles Crowley
Administrative Assistant II ..... Mary Anne Hansen
Administrative Assistant II ..... Patti Foley
Computer Support Assistant ..... Roger Donaghy

Tech Talk is published by the News Office on Wednesdays during term time except for most Monday holiday weeks. See Production Schedule at http://web.mit.edu/newsoffice/techtalk-info.html. The News Office is in Room 11-400, Massachusetts Institute of Technology, 77 Massachusetts Avenue, Cambridge, MA, 02139-4307.

Postmaster: Send address changes to Mail Services, Building WW15, Massachusetts Institute of Technology, 77 Massachusetts Avenue, Cambridge, MA 02139-4307.

Subscribers may call 617-252-1550 or send e-mail to mailsvc@mit.edu.

TechTalk is distributed free to faculty and staff offices and residence halls. It is also available free in the News Office and the Information Center.

Domestic mail subscriptions are $25 per year, non-refundable. Checks should be made payable to MIT and mailed to Business Manager, Room 11-400, MIT, 77 Massachusetts Avenue, Cambridge, MA 02139-4307.

Periodical postage paid at Boston, MA. Permission is granted to excerpt or reprint any material originated in Tech Talk.

Campus karaoke night draws melodious crowd

Matt Zedler
Class of 2007

PHOTO / **DONNA COVENEY**

Left to right: Freshmen Katelyn Giovannuci, Adrienne Hunacek, Jayodita Sanghvi, Emily Pfeiffer and Roshni Cooper belt out a song like rock stars during last Friday's Coffeehouse karaoke night sponsored by SaveTFP.

Most Friday nights, the quiet Coffeehouse on the third floor of the Student Center undergoes a transformation. The first week back at school was no exception; the SaveTFP student group threw a karaoke night to start off the year on a musical note.

Around 9 p.m., a few students began setting up for the weekly "Friday Nights @ the Coffeehouse" event, which quickly filled up with about 40 students. The three-hour event offered pizza, a new karaoke machine, a large screen with lyrics projected onto it, and monetary prizes for best singer. Even the price—all SaveTFP events are free—helped to draw a large crowd.

SaveTFP was founded approximately two years ago, at a time when MIT began a campaign to raise awareness of dangerous drinking among the student body. One or two students attending the initial discussions suggested that a student group be formed to attack the problem. The group's web site says: "We are not an official student group, nor are we a part of any other campus organization or office. There are various groups at MIT with specific agendas—preserving dorm rush, promoting specific hobbies, providing support to students. Our goal is simple—preserving and enhancing the good things about MIT."

The current group of eight students now plans and organizes stress-free, alcohol-free events on campus.

Well, maybe not completely stress-free for the performers.

"It was quite intimidating to sing, but also a lot of fun," said freshman Debashish Sircar after his duet with freshman Jonathan Sue-Ho. The two sang Train's "Drops of Jupiter."

Katelyn Giovannucci, a sophomore in linguistics and philosophy, performed several numbers, including Madonna's "Frozen." "I didn't really know much about SaveTFP prior to the karaoke event, but some friends decided to go and I tagged along and had such a great time!" said Giovannucci. "I wish more people knew about fun stuff like this. It's a great way to spend a Friday night."

The numerous performances (between 30 and 40 songs) and large crowd that remained until 1 a.m. were proof the students were enjoying themselves.

The singers ranged from love-struck individuals singing serenades to large, coed groups belting out such popular favorites as, "Build Me Up Buttercup" and "Lady Marmalade." There were many freshmen in the audience, but every class, including graduate students, participated. The student members of SaveTFP performed a passionate rendition of "Livin' La Vida Loca."

SaveTFP, which stands for Save This F***ing Place, seeks to distance itself from the MIT administration by making it clear that it is a group of independent students who like to have fun by throwing large annual, alcohol-free events, as well as comfortable Friday evenings at the Coffeehouse. The big events include the Halloween, Thanksgiving and Valentine's skates; Mr. and Miss MIT Talent Contest; Fall Festival; and Spring Weekend.

This year's Valentine's Skate is Friday, Feb. 11 from 10 p.m. to 1 a.m. at the Johnson Ice Rink. Like all SaveTFP events, it's free of admission and alcohol.

Iraqi war veteran speaks out against the war

Sasha Brown
News Office

The war in Iraq is at once a war on Iraqis and a war on America's working and lower classes, said Sgt. Kelly Dougherty, who spent 10 months in Iraq in 2003 as a member of the National Guard. She spoke to about 50 people on Feb. 1 in a talk sponsored by the MIT Greens, Thistle and the MIT Free Radicals.

Dougherty spoke two days after the Jan. 30 elections in Iraq, and said she expected those elections to prove as futile for the Iraqi people as the 1967 elections in South Vietnam were for the Vietnamese. The Colorado native has spent the last week touring Massachusetts, speaking to groups about the need to end the war in Iraq.

"We hope her comments will be part of a future discussion," said Anne Pollock, a graduate student in the Program in Science, Technology and Society and co-founder of the MIT Free Radicals, which she describes as a broad-spectrum, progressive political group. "She is so articulate and tells her story so well," Pollock said.

Dougherty said she never expected to end up in Iraq. She received her orders in January of 2003. When she got there, the first thing she noticed was the extreme poverty. "It was like nothing I had ever seen," she said. After spending time in Croatia and Hungary during the conflict in Kosovo, she was no stranger to extreme deprivation, but Iraq still overwhelmed the 24-year-old member of the 220th Military Police Company. "What I saw there [in Croatia and Hungary] was nothing compared to the conditions Iraqis were living in."

While she was happy at first to be able to help, Dougherty quickly became disillusioned by the lack of changes she saw for Iraqis, many of whom still lived without electricity and other basics when she left in October 2003.

Iraqis were initially glad to see the troops, but as time wore on, many grew tired of the occupation, she said. "As long as we continue to occupy Iraq, the Iraqis will continue to fight against us," she said.

Dougherty spoke of the devastation to the lives of military personnel as a result of long tours of duty. "I saw many marriages fall apart," she said. Additionally, she told stories of small business owners whose livelihoods fell apart while they were away and of soldiers whose first active-duty paycheck did not come until they were gone six months. "They were late with mortgage payments and worse," said Dougherty.

On Dec. 13, 2003, the day Sadaam Hussein was captured, little changed for the troops on the ground in Iraq, she said. The same was true of the day President Bush declared "mission accomplished."

Ultimately, the message Dougherty aims to share is one of peace. "I am trying to take something positive out of my experience," said Dougherty. "I am honored to be a part of this movement to end the war."

January session brings remote students to campus for a month

Amy MacMillan
ESD Communications Assistant

They come from the front lines of Iraq, the Hellenic Air Force, and the hallowed halls of MIT itself. They're worldly, but not world-weary.

This year's System Design and Management class may be the most primed and prepared class yet, according to Pat Hale, director of the SDM Fellows Program. "They are very enthusiastic, have a clear sense of what SDM is, and why it's the right degree for them," he said.

Although the unique distance-learning degree granting graduate program has been around since 1997, the curriculum is evolving. The modifications made this year will bolster an already sturdy set of SDM courses.

"We are still the only primarily distance education program that combines a top-flight management school with a top-ranked engineering school," Hale said. In addition to its distance education program, SDM also offers full- and part-time on-campus options.

The new version of SDM is reflected in the size of the class (62), the students' diversity, and the subjects they learn in the first few weeks of the rigorous January session. The number of women in the class tripled since last year, more than half of the class hold master's degrees, and seven have Ph.Ds. About 60 percent of them are self-supported; 40 percent are fully or partially company-sponsored. The average age is 33.

This year, several courses in the Sloan School of Management have been tailored to better serve the engineering population that comprises SDM. For instance, a traditional behavioral organization class might focus on an operations workforce with unionized labor, but the newly refined SDM course is geared toward leaders who need to motivate engineers.

Students come to MIT for an intensive January session, then return home to continue with their education remotely. Courses taught during January encourage students to think independently. "This is a course in how to think, not what to think," said Professor Edward Crawley about his Introduction to System Architecture course.

The January session is demanding, with two design challenges, a full course in the Human Side of Technology, and Crawley's system architecture, plus lectures, seminars and team-building activities. "This boot camp phase has been very challenging," admits Jeanne Kesapradist, 31, a student from Andover, Mass. Kesapradist, who has degrees in both physics and materials science engineering from MIT, once worked in conjunction with the MIT team that won the Nobel Prize in physics in 2001.

Spiros Lekkakos, also 31, a captain in the Hellenic Air Force, was released from the Air Force temporarily for the SDM program. "It's been interesting, and I'm very excited," he said.

Other students include an aerospace engineer with GE Aircraft Engines in Cincinnati, Ohio, and a United States Army captain who returned from Iraq in August. While there, 31-year-old Kevin Brown commanded a division that helped rebuild the major Baghdad infrastructure—hospitals, schools, traffic and sewage systems. "Having tried to rebuild the infrastructure of a 6 million-population city, I know the importance of a systems approach to solving problems on a very large scale," Brown said.

Distance students returned to their homes following the January session, where they will take classes remotely, returning to campus in the middle of each semester for three-to-five days. Students who complete the program receive an S.M. in engineering and management.

A version of this article ran on the Systems Design and Management web site, http://lfmsdm.mit.edu.

Balancing act is key to brain functions

Researchers at the Picower Center for Learning and Memory have uncovered an important new way that the brain performs complex functions such as pattern recognition. The study appeared in the Feb. 1 issue of Nature Neuroscience.

The work, led by Mriganka Sur, the Sherman Fairchild Professor of Neuroscience and head of the Department of Brain and Cognitive Sciences, has implications for understanding the cellular mechanisms underlying many higher level functions, including consciousness.

Within the visual cortex, brain cells work together in localized circuits on tasks such as pattern recognition. At a molecular level, this involves matching the correct positive, or excitatory wires, with the correct negative, or inhibitory wires. An exquisite balance in the interplay between plus and minus inputs on individual neurons is essential to stabilize and shape circuits of thousands of cells.

Earlier work has shown that brain cells contain many individual processing modules that each collect a set number of excitatory and inhibitory inputs. When the two types of inputs are correctly connected together, powerful processing can occur at each module. What's more, the modules have their own built-in intelligence that allows them to accommodate defects in the wiring or electrical storms in the circuitry. If any of the connections break, new ones automatically form to replace the old ones. If the positive, excitatory connections are overloading, new negative, inhibitory connections quickly form to balance out the signaling, immediately restoring the capacity to transmit information.

Patterns of activity

The primary visual cortex of monkeys and cats contain regions where neurons are tuned to the vertical, horizontal and diagonal lines that give shape to images we see. These regions are dotted with "pinwheel centers" around which all orientations are represented. Areas far from the pinwheel centers contain neurons that are tuned to a specific line orientation, not all of them at once. Visual stimulation evokes different patterns of synaptic inputs at the pinwheel centers and the surrounding areas.

Yet in all regions, neurons are finely tuned to line orientation and edges. In this study, Sur and colleagues look at how processing networks in the brain transform the inputs they receive through visual stimuli to create outputs that can be used for perception and action.

"These ideas form the beginning of an important new way to understand how the brain creates new functions," Sur said. "All higher functions of the brain, particularly complex functions such as pattern recognition or even consciousness, likely use such principles as a basic building block."

In addition to Sur, authors include MIT postdoctoral fellows Jorge Marino, James Schummers and David C. Lyon, who collaborated with a group led by Klaus Obermayer at Berlin University of Technology.

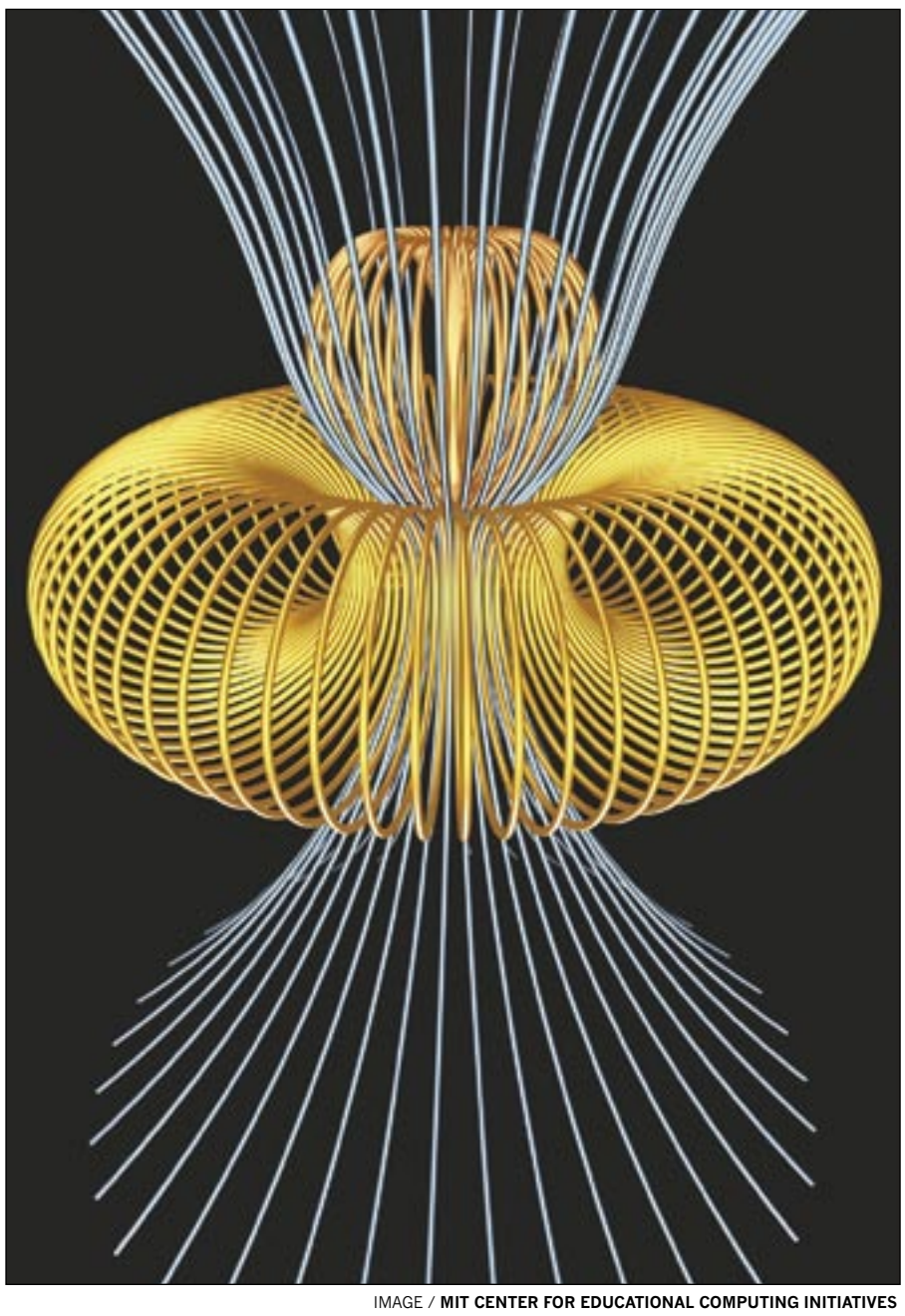


IMAGE / **MIT CENTER FOR EDUCATIONAL COMPUTING INITIATIVES**

Visualizing physics

The MIT Museum's exhibition on TEAL (see page 1) also contains this image, which shows the field of a permanent magnet suspended above a ring of current. The magnet is oriented such that its north pole faces downwards, while the current in the ring flows counter-clockwise. The resulting pressure in the field between the two objects causes the magnet to be repelled, feeding a force upwards that allows it to be levitated above the ring. The image shows selected fieldlines colorized and rotated about the vertical axis. The first phase of the exhibition is on view through Feb. 13; the second phase, Feb. 16 to April 18; and the third phase April 20 through June 5.

SUPER-SIZED STARS

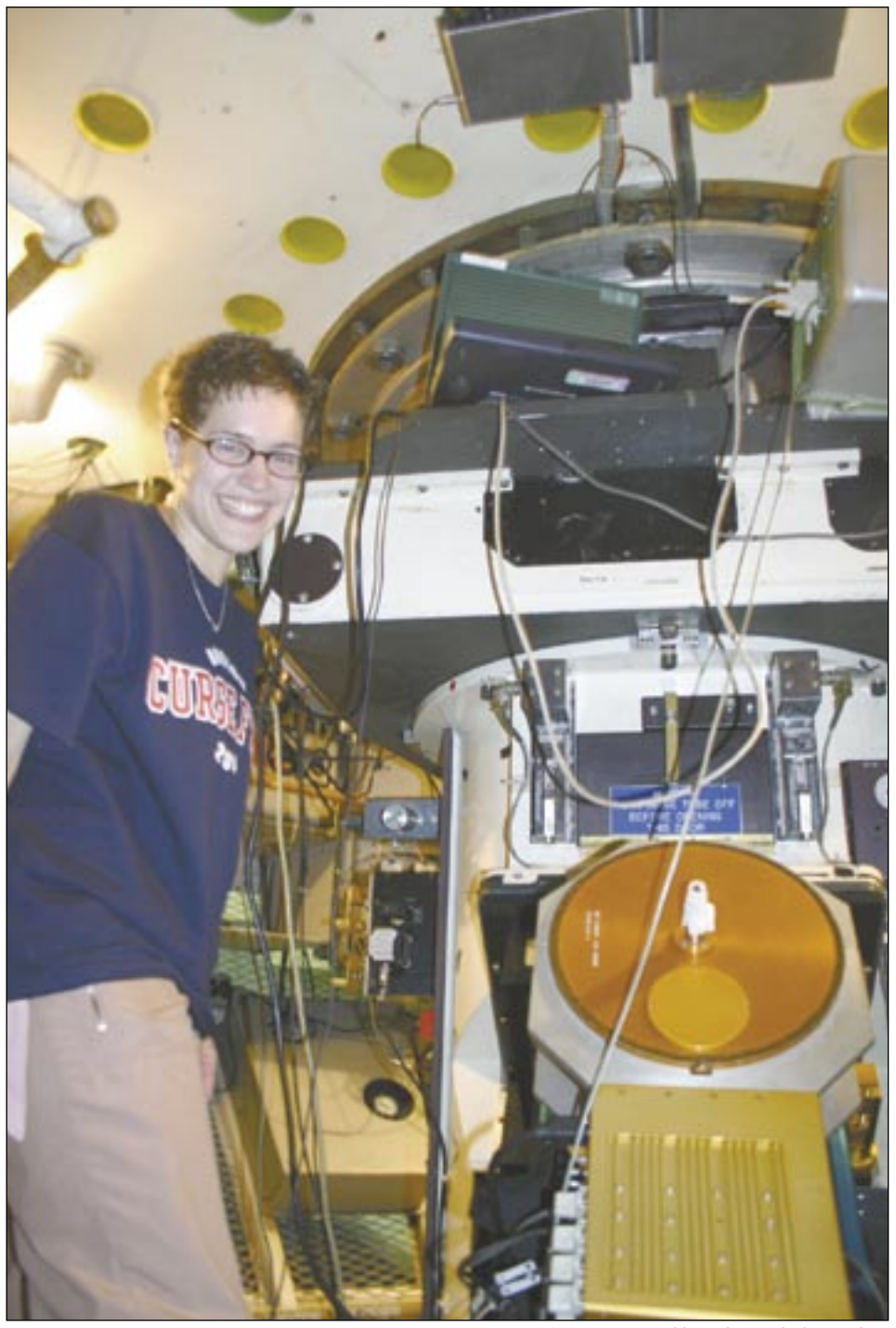


PHOTO / **PHILIP MASSEY, LOWELL OBSERVATORY**

Emily Levesque, a junior in physics, observed red supergiant stars in the Milky Way as a member of an international team that used this telescope at the Cerro Tololo Inter-American Observatory in Chile last November.

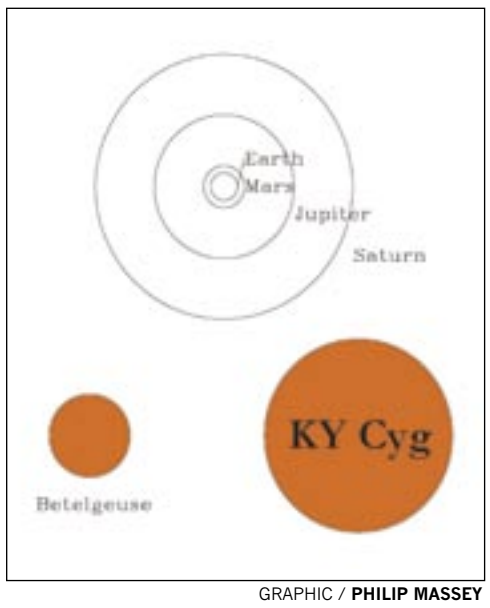
Continued from Page 1

the well-known red supergiant star Betelgeuse in the constellation Orion has a radius of about three AU.

Levesque has been involved in the research since last summer, when she traveled to Kitt Peak National Observatory with Massey, her advisor.

"We observed for five perfectly clear nights, quite an anomaly in astronomy," Levesque recalls. "It was my first observing run and my first experience working with a large telescope. We operated the telescope ourselves and got fabulous data. Getting a chance to observe, reduce AND analyze the data was really excellent."

"I think the 'untold story' of all of the press coverage is the fact that Emily, as an undergraduate, took much of the data, reduced it, analyzed it, participated as a full colleague in figuring out what it all means, is first author on the Astrophysical Journal paper, and presented the results at the AAS meeting in San Diego," said Massey, Levesque's supervisor on the work. "While I've worked with many exceptional undergraduates over the year, I think that Emily has clearly distinguished herself."



GRAPHIC / **PHILIP MASSEY**

The size of KY Cygni, a red supergiant star with one of the largest diameters known, is shown in comparison to Betelgeuse, the brightest star in the constellation of Orion. KY Cygni has a diameter of 1.3 billion miles, about 1,500 times larger than the Sun. It is so large that it would completely engulf the orbit of Jupiter if it was located in the Sun's position.

Last November Levesque and Massey observed red supergiants in the Magellanic Clouds using a telescope at the Cerro Tololo Inter-American Observatory in Chile. "The second observing run was just as fun as the first, and the trip to Chile was great. We haven't yet analyzed that data," Levesque said.

Levesque's parents introduced her to astronomy when she was a young child. "I've been hooked ever since," she said. Coming to MIT, she said, "I planned from the start to be a physics major with an eye towards eventually doing astronomy. All the astronomy classes I've taken here have been very excellent." She plans now to get a Ph.D. in astronomy and try for a tenure-track job at a research facility or university.

Other researchers involved in this work are from the Lowell Observatory, Cerro Tololo, the Universite de Montpellier II, and the Geneva Observatory. Support was from the NSF.

Hockfield calls for diversity

Sarah Wright
News Office

President Susan Hockfield expressed admiration for the longevity of MIT's annual Martin Luther King Jr. breakfast and asserted MIT's "special commitment to meeting the challenge of creating a more diverse and supportive community" in her comments and introduction of keynote speaker Gwen Ifill.

"In bringing the MIT community together each year, this breakfast asks us to renew our commitment to the values Dr. King articulated and that he exemplified in his own life and work. This morning reminds us that it is our collective responsibility to meet the need for a more just and humane society," Hockfield said.

"America and the world have benefited enormously from MIT's willingness, during and after the Second World War, to hire teachers and scholars from many nations and from groups that had been denied full membership in a restrictive academy. As we look to the future, we need to keep the lesson of that history in mind.

"But we cannot rest on our laurels and assume we've gotten it right once and for all. As we evaluate people for possible membership in the MIT community, and their performance once they are here, we need constantly to ask, 'Are we really looking at merit?' We have to understand how to free our judgments from unconscious preconceptions.

"It is essential that MIT is a welcoming and supportive place for anyone, from any background, who has the talent and passion to make the most of what the Institute has to offer," Hockfield said.

Susan Hockfield

Hockfield also noted the MIT faculty's commitment to taking a "leadership position among our peer institutions in the recruitment and in the academic success of underrepresented minority faculty and graduate students.

"We cannot ignore any part of our population. We must recruit a diverse student body, opening MIT to anyone who can benefit from the tremendous opportunities available here," she said.

IFILL

Continued from Page 1

passion to make the most of what the Institute has to offer," Hockfield said.

Ifill is the managing editor of Washington Week and senior correspondent for The NewsHour with Jim Lehrer, both PBS television news programs. In 2004, she was moderator for the vice-presidential debate.

Her trademark candor, wit and warmth came through in her opening words. "I remember MIT from when I was at Simmons. Those black students' parties were slammin.' Back then, we were doing the Bump!" she said. Yet her tone turned serious as she addressed current students.

"I was a black student in a predominantly white campus, like you. I had terror at night, worrying the degree I was working so hard for might not get me that job," she said. "As a preacher's kid, expectations of me were very high."

Ifill went on to describe her life in journalism, which has included working as a reporter for newspapers such as The New York Times and The Washington Post. She noted that her commitment to the field partly expressed her gratitude to "those who have gone before me," including Harriet Tubman and Sojourner Truth, as well as King.

"Dr. King believed that equality, accompanied by simple justice, could transform the nation. That's why I am a journalist; I believe the search for truth and justice are not incompatible. When I started out as a journalist, I thought I could change the world. I found barriers and dark corners were still there. But shining the light that Dr. King gave us can be tremendously satisfying," she said.

Ifill noted she never forgot the uniqueness of her role as an African-American woman and her positive opportunity as moderator for the vice-presidential debate in 2004.

"When I asked those men about the rising incidence of the HIV infection among African-American women, sadly, neither one of them had the ghost of an answer, but their silence spoke volumes to people at home. And imagine my shock and surprise last night to hear the President mention it in the State-of-the-Union speech. So someone was paying attention," she said.

"Like every black professional, I keep a foot in at least two worlds, maybe three or four. One foot is in the world of work; most of my colleagues, bosses, and subordinates are white, and probably always will be. I don't think I have to lose myself in order to function in this work, but there is no question that I suppress a part of myself in order to do that, and I think we all do that at different levels. But I laugh when people tell me, 'I just want you to know, I'm colorblind.' Why shouldn't they notice my color? I'm proud of being what I am. It is essential. I just don't want to be held back because of it," she said, to loud applause.

Ifill told the attentive group that for her, King's "Letter from Birmingham Jail" still provides an inspiration and a reminder of urgency. In closing, she read an excerpt from the 1963 letter, emphasizing the phrase, "Justice delayed is justice denied."

PHOTO / **DONNA COVENEY**

Parachute drop

Freshman Joy Dunn won the first 16.00 (Introduction to Aerospace) aerodynamic decelerator design contest on Feb. 8, with a self-designed parachute that took 23 seconds to hit the ground after being dropped from the third floor balcony in Lobby 7.

Three receive MLK Leadership Awards

Sarah H. Wright
News Office

James L. Sherley, an associate professor in biological engineering; R. Erich Caulfield, a graduate student in electrical engineering and computer science; and James S. Banks (S.B. 1976) received Dr. Martin Luther King Leadership Awards at a presentation at the MIT Faculty Club on Feb. 2.

MIT Chancellor Philip L. Clay presented the Leadership Awards. The three winners, who were honored for service to the MIT community and beyond, commented briefly on what King's ideals have meant to them.

James L. Sherley

Leo Osgood, Jr. associate dean for undergraduate education, and Michael S. Feld, professor of physics and director of the Spectroscopy Laboratory, co-chairs of the Martin Luther King Jr. Committee, notified the award winners by telephone in mid-January and recently by letter.

Sherley, who came to MIT six years ago, was nominated by students and colleagues who cited his enthusiastic commitment to education and science and his exemplary work as a scientist, teacher and laboratory head who has fostered an inclusive and supportive environment. Sherley has been active in the Harvard Biomedical Science Careers Program, the Roxbury Preparatory School, the Undergraduate Biomedical Engineering Society, and the Hyde Park School. He formed a Biological Engineering Diversity Committee and is frequently sought out as a pre-med advisor.

James S. Banks

Banks, an MIT alumnus who majored in electrical engineering, has been of particular service to MIT through his 15-year commitment to recruiting students from under-represented groups for employment at Hewlett-Packard and Agilent. His efforts have led to productive relationships among MIT students, alumni and their employers, and created opportunities for students though his support of the Office of Minority Education's Second Summer Program. Banks also serves on the Industrial Advisory Council for Minority Education.

R. Erich Caulfield

Caulfield was cited for his thoughtful leadership and dedication to the MIT community in a letter of nomination by Emily Snyder, staff to the Graduate Student Council (GSC). Caulfield was selected for his ability to forge positive relationships with groups and individuals from many backgrounds, and for his concern for the welfare of others. He has served as co-chair of the Black Graduate Students' Association, committee chair of the Graduate Student Council Orientation, and GSC president. His involvement was a critical component in the formation of the GSC Cost of Living Advisory Board (COLAB).

PHOTO / **DONNA COVENEY**

A moment of reflection

This photo, taken near the nose of the Stata Center, shows the building reflecting itself.

Women's Studies prepares for celebration

Sarah H. Wright
News Office

The MIT Program in Women's Studies will celebrate its 20th anniversary with a daylong symposium, "Challenges for Women's Studies: Power, Politics and Gender," with leading feminist scholars Barbara Ehrenreich, Chandra Mohanty and Patricia J. Williams.

The symposium will be held on Saturday, Feb. 12 from 10 a.m. to 4:30 p.m. in Room 10-250. It is free and open to the public. MIT President Susan Hockfield will give opening remarks.

"The Women's Studies Program has been at the heart of many faculty members' intellectual lives, and now we have a chance to give back to the community some of our excitement and fascination with this huge and changing subject," said Elizabeth Wood, a professor of history and director of the Women's Studies Program. "In doing all of this, we are renewing our commitment to close examination, deep analysis and proactive input into social processes."

Each of the three featured speakers is renowned in the general field of women's studies and feminist scholarship.

Ehrenreich is a social critic and essayist. Her book "Nickel and Dimed: On (Not) Getting By In America" (2002) was a national bestseller. She is a prolific journalist who writes a regular column for The Progressive and whose work has appeared in The New York Times, The Atlantic Monthly, Ms., Z magazine and salon.com. She received the Ph.D. in biology from Rockefeller University. Ehrenreich will speak on "Gender and Class—Can We Have a Conversation Without Guilt?" at 10 a.m.

Chandra Talpade Mohanty is professor of women's studies and humanities at Syracuse University. Her work focuses on transnational feminist theory, cultural studies and anti-racist education. She edits a series of books, "Gender, Culture and Global Politics" and speaks widely on feminist issues. Mohanty will speak on "Feminists Confront Empire" at 1 p.m.

Patricia Williams writes the column "Diary of a Mad Law Professor" in The Nation. A native of Boston, she graduated from Wellesley and Harvard Law School. She is author of "Seeing a Colorblind Future: The Paradox of Race" (1998). She received a MacArthur "genius" grant in 2000. Williams is currently a professor at Columbia Law School. She will speak on "Gender, Race and Law in the Divided World" at 3 p.m.

The Women's Studies Program is also celebrating this significant anniversary with a panel discussion, "Taking Women's Studies into the Real World," featuring program alumnae speakers. "Real World," is open to the MIT community; it will be held on Friday, February 11th at 3 pm in Bldg. 10-340.

For reservations or more information on the 20th anniversary discussions, please email women-studies@mit.edu or call 617-253-8844.

Women's Studies is an interdisciplinary undergraduate Program, providing an academic framework and broad-based community for scholarly inquiry focusing on women, gender and sexuality. Ruth Perry, professor of literature, was the program's founding director.

There are more than 40 faculty members who are affiliated with the Program, which offered 25 courses during the academic year 2003-2004, with approximately 300 students enrolled. Women's Studies was approved as a major at MIT in 1985.

The Women's Studies Program is also a part of the Graduate Consortium in Women's Studies, which was established in 1993 jointly between MIT and six other institutions—Radcliffe College, Boston College, Brandeis University, Harvard University, Northeastern University, and Tufts University.

NEWS YOU CAN USE

Configuring PalmOS mobile devices

People with properly configured mobile devices can connect to MIT's e-mail services when they're on the go. PalmOS devices with built-in wireless connections like the Tungsten C, or add-on wireless options like the Tungsten T3/5 or the Zire 72 allow access to e-mail on campus or wherever wireless connections exists. With cell phone/PDA devices like the Treo people can roam even further afield.

IS&T is offering a clinic to help configure PalmOS mobile devices for MIT e-mail in the N42 Demo Center from 2 to 3:30 p.m. on five days: Thursday, Feb. 10; Monday, Feb. 14; Friday, Feb. 18; Thursday, Feb. 24; and Monday, Feb. 28.

On Feb. 10, IS&T is turning N42 into a "cell-phone shopping mall." Representatives from MIT cell phone vendors who provide cell phone/PDAs that run on the PalmOS will be available to discuss anything related to cell phones. Cingular and Sprint representatives will be availabe from 11 a.m. to 1 p.m. The T-Mobile and Verizon Wireless representatives will be available from 11:30 a.m. to 1:30 p.m.

CLASSIFIED ADS

Members of the MIT community may submit one classified ad each issue. Ads can be resubmitted, but not two weeks in a row. Ads should be 30 words maximum; they will be edited. Submit by e-mail to ttads@mit.edu or mail to Classifieds, Rm 11-400. Deadline is noon Wednesday the week before publication.

FOR SALE

Cherry wood w/4 chairs, 4 cushions, sits 8, $140/bst; Braided burgundy carpet, $30. Blk wood entertainment plus vcr/cd holders, $8. Hampster complete set/1gallon fish tank/$9. Folding computer stand (steel) $40. lmorales@mit.edu.

HOUSING

Ocean front summer cabin, Mount Desert Island, ME: 2BD/1BA w/living/kitchen area; picture windows, deck overlooking water; stairway to beach. Mins from Acadia National Park, Bar Harbor. $1,000/week June-Sept. Steve at 253-5757 or chorover@mit.edu.

Lauderdale -By-The-Sea on El Mar Drive: studio w/pool area and directly across the street to beach. Completely remodeled '04. $1,800/mo. w/1 mo. min. Steve at 617-308-5327.

Arlington Heights: share 2 BR apt., 1st floor of house, LR, DR, spare room, storage, near public trans., off-street parking, W/D, dishwasher. No pets/smoking. Avail 4/1. $625/mo. + utils. 781-316-2346 or dheggestad@ll.mit.edu.

VEHICLES

2000 Chrysler Sebring convertible-V6. Well maintained, excellent condition and garaged all year round. Leather seats, 6-disc CD-player w/6 infinity speakers. 85K. $8,500. Cheryl at 253-3092 or 978-276-0670. Photos: http://home.comcast.net/~bfgcat/

STUDENT POSITIONS

Positions for students with work-study eligibility.

Cambridge Community Center seeks group leaders. Responsibilities: supervision of children, safety and well-being of children, implementation of classroom activities, responsive to parents' concerns, attendance at two monthly meetings. Alfreda Cromwell at 617-547-6811.

Prospect Hill Academy Charter School seeks tutors (K-5). Accessible from the MBTA. Tuesday–Thursday from 3pm–4:40pm. Steven Stone at sstone@prospecthillacademy.org.

Four at four: new art shows open tomorrow

Gallery hoppers can sample a variety of visual art forms tomorrow, Feb. 10, at new exhibitions in four campus art venues—Compton Gallery, List Visual Arts Center, Wolk Gallery and the Media Test Wall.

Compton Gallery

"Constructing Stata: Photographs of Richard Sobol," a collection of unpublished photographs that capture the construction process of the Frank Gehry-designed Stata Center, opens at the Compton Gallery (Room 10-105).

Richard Sobol observed and recorded the construction of the Stata Center for more than three years. "Like the hundreds of craftspeople who came to work each morning to put together Frank Gehry's design, my challenge was to stay focused on small moments and individual processes, while all around grand events were taking place," said Sobol, a Boston-based artist whose photographs are featured in "Building Stata" (MIT Press, 2004).

Sobol will give a gallery talk Friday, Feb. 25 at 5 p.m., followed by a reception from 5:30-7 p.m. in Lobby 10. "Constructing Stata" will be on view through June 15. Gallery hours are weekdays from 9:30 a.m. to 5 p.m. and Saturdays from noon to 5 p.m.

List Visual Arts Center

Two shows open at the List Center Galleries (E15-109) with a reception from 5:30-7:30 p.m. tomorrow.

"Pavel Braila" is the first solo exhibition in the U.S. for Braila, who was born in Chisinau, Moldova, in 1971, where he still resides. Much of his work documents contemporary life in the Republic of Moldova, a small country located between Romania and Ukraine which has a long history of foreign domination. It is the only former Soviet-bloc country to democratically re-elect its former communist leader.

This exhibition premieres "Baron's Hill" (2004), a large-scale installation consisting of six 11' x 7' video projections and a selection of large-scale photographs that display the homes of the leaders of the Roma in the Moldovan city of Soroca. These homes, whose construction began in the early 1990s, are elaborate architectural fantasies often inspired by a postcard, a reproduction of an old painting, or an image from a film. The homes often lack residents; they are saved for big parties or special guests. This exhibition was organized by Jane Farver, director of the List Center.

"Shoes for Europe" (2002), a 10' x 16' projection of a film accompanied by a short text, documents the painstaking, grinding process of changing the Russian wheel gauges still used on Moldovan trains at the border between Moldova and Romania. "Shoes for Europe" has a "formal, hypnotic beauty that transforms this colossal task—performed on a dark snowy night—into something mythical and heroic," said Farver.

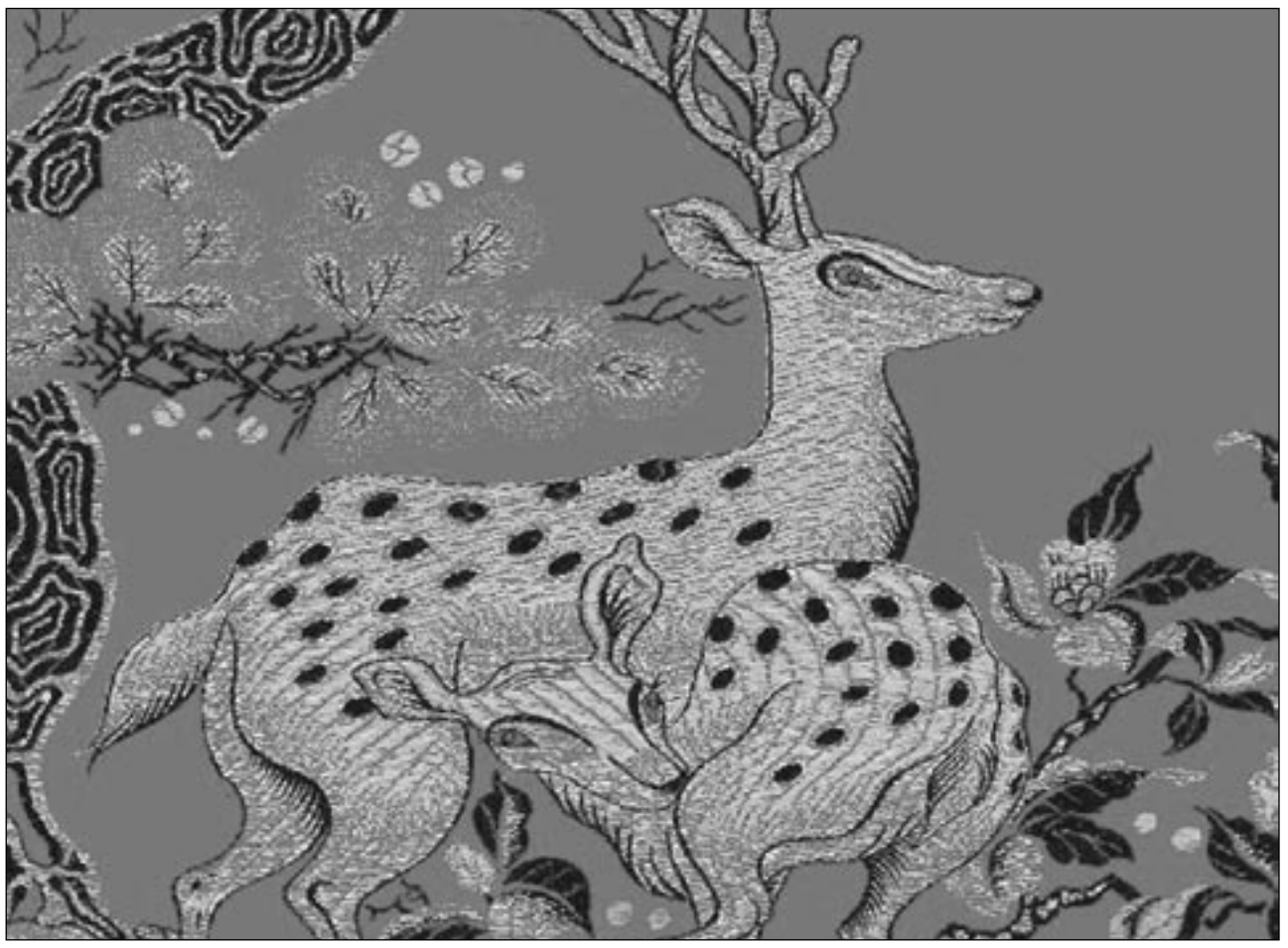
Braila will present an artist's talk at the List Center on Saturday, Feb. 12 at 2 p.m.

"Kimsooja: Seven Wishes and Secrets," an exhibition by the Korean-born, New York-based artist, includes her videos "Sewing into Walking: Kyoung Ju" (1994) and "Invisible Mirror" (2003), as well as works from her recent portfolio, "The Seven Wishes" (2004), which consists of large Iris prints of the fabrics traditionally given to newlyweds in Korea.

In the video, "Sewing into Walking," the artist wanders slowly through a landscape gathering the fabrics, creating beauty in the conscious performance of daily rituals. The video was taped outside of Kyoung Ju, an ancient and spiritually significant city in Korea.

"Invisible Mirror" continues Kimsooja's experiments with colored light; the lush colors of fabrics dissolve into a sequence of colors.

The List Center shows run through April 10. Gallery hours are noon to 6 p.m. Tuesday through Sunday. The gallery is open until 8 p.m. on Fridays.



Korean artist Kimsooja combines video and other media to overlay traditional and modern forms. In "The Seven Wishes" she uses Iris, a fine art inkjet printer, to copy a panel from traditional wedding fabric.

Media Test Wall

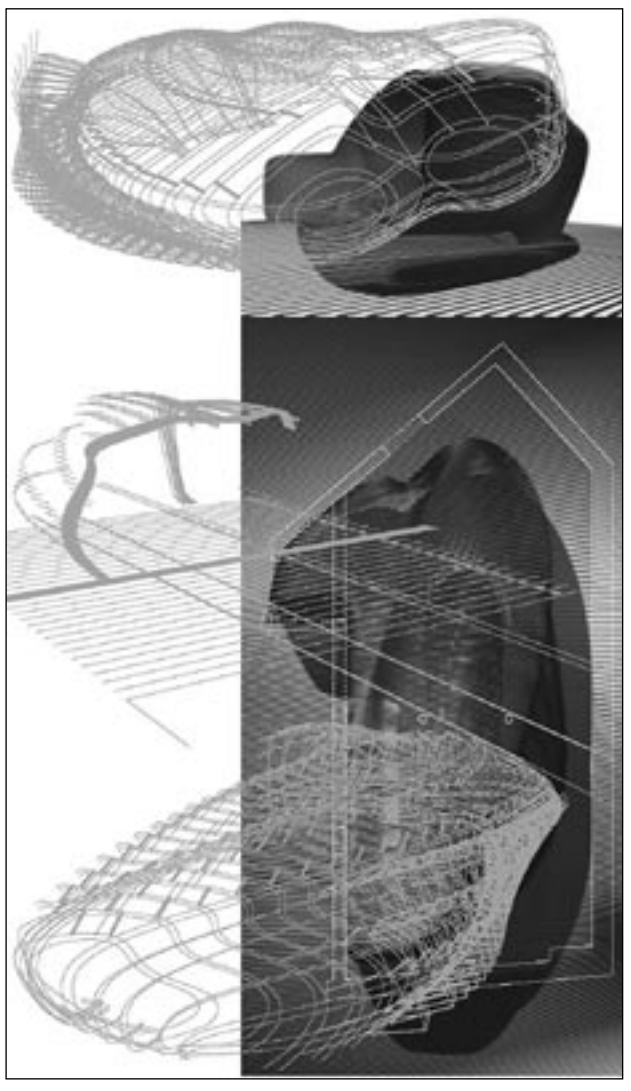
In conjunction with Kimsooja's exhibition at the List Center, "A Needle Woman," videos she created between 1999 and 2001 will be screened at the Media Test Wall in Building 56. These videos document Kimsooja dressed in simple gray clothing standing rigidly in the busy streets of Tokyo, Shanghai, Delhi, New York, Mexico City, Cairo, Lagos and London. With her back to the camera, the chaos of the streets swirls around her as people flow past. Some people stare, while others seem annoyed by her; their reactions reflect the culture of each city.

Wolk Gallery

"dECOi Architects" opens at the Wolk Gallery (Room 7-338). The exhibition is a showcase of 10 years of work by dECOi, a speculative architecture and design practice recognized for giving articulate expression to the formal and material opportunities offered by digital technologies.

dECOi is based in London, Kuala Lumpur and Paris, where it was founded in 1991 as a research group with an international vocation. It encompasses a broad experimental field that covers design, installations, architectural projects and theoretical works. The Wolk exhibition focuses on dECOi's recent MIT research projects—'Bankside Paramorph' and the Miran Galerie fashion showroom.

An opening reception at the gallery on Feb. 10 at 5:30 p.m. will be followed by a lecture by Mark Coulthorpe of dECOi Architects at 7 p.m. in Room 7-431. The exhibition will be on view through April 8. Regular gallery hours are weekdays, 9 a.m. to 5 p.m.



The dECOi atelier, winner of the FEIDAD International Digital Design Award 2005, specializes in speculative and experimental architectural design. Above is a theoretical fashion showroom.

PHOTO / **PAVEL BRAILA**

The image above is from "Baron's Hill," Pavel Braila's large-scale installation of video and still images depicting the lavish, luxe and sometimes loony-looking mansions designed for Roma leaders in Soroca, Moldova.

ARTS NEWS

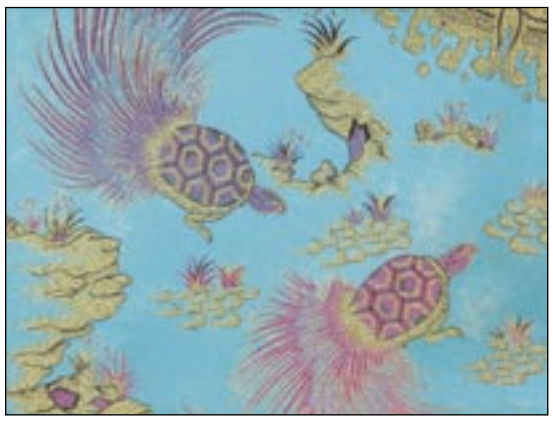
Two MIT students have works included in the Photographic Resource Center's 2005 Annual Students' Exhibition. Aaron Wittkamper, a graduate student in architecture, and Andrea Silverman, a senior in civil and environmental engineering, are among the students from 13 area schools participating in the exhibition. It opens with a reception tomorrow (Thursday, Feb. 10) from 5:30 to 7:30 p.m. The show will be on view through March 20 at the PRC gallery at 602 Commonwealth Ave., in Boston. Hours are Tuesday, Wednesday and Friday from 10 a.m. to 6 p.m.; Thursday from 10 a.m. to 8 p.m. and weekends from noon to 5 p.m.

MIT EVENT HIGHLIGHTS FEBRUARY 9 - 13

Science/ Technology | Performance | Architecture/ Planning | Humanities

Music | Exhibit | Reading | Special Interest

Business/ Money | Film | Sports | Featured Event



'The Seven Wishes'

The Iris fabric traditionally presented to Korean newlyweds, above, forms the basis for "The Seven Wishes," Korean artist Kimsooja's exhibit at the List Center from Feb. 10 to April 10. Her show includes two videos, "Sewing into Walking" and "Invisible Mirror."

WEDNESDAY February 9

Visualizing Physics: Transforming Science Learning at MIT
Get an insider's view of how MIT is redesigning the way it teaches physics. 10am-5pm. MIT Museum. 253-4444.

American Air Power: What a Difference a Decade Makes
Thomas A. Keaney, Executive Director of the Foreign Policy Institute at John Hopkins University discusses American air power. Noon. E38, 6th Floor Conference Room. 253-8092.

Tute Ice Cream Spring Semester Celebration
4-5:30pm. Room 10-105. Sponsored by LBGT. 253-6777.

Chinese Spring Festival Party
7:30-11:30pm. Sidney-Pacific Multipurpose Room.

THURSDAY February 10

MIT Chapel Concert
Harpsichord recital by Takae Ohnishi. Noon. MIT Chapel. 253-9800.

Sahin Lecture Series
Patrick Rael of Bowdoin College speaks on "African American Responses to Racial Science from the Revolution to the Civil War." 4:30pm. Room E51-275. 253-4965.

Opening Reception
Openings for Pavel Braila and Kimsooja: Seven Wishes and Secrets. 5:30pm. List Visual Arts Center. 253-4680.

Opening Reception and Lecture
Mark Goulthorpe of dECOi architects speaks in conjunction with exhibition at Wolk Gallery. 5:30pm. Room 7-338. 253-2825.

FRIDAY February 11

MIT Women's Studies 20th Anniversary
Panel discussion with alums from the 20 year history of MIT Women's Studies Programs describe "Taking Women's Studies into the Real World." 3-5pm. Emma Rogers Room. 253-8844.

Gallery Talk by Bill Arning
Tour current exhibits. 6pm. List Visual Art Gallery. 253-4680.

MIT Anime Club Weekly Showing
The MIT Anime Club shows the best of Japanese animation. 7pm. Room 6-120.

Valentine's Skate
Moonlight skate. Sponsored by SaveTFP. Free admission. 10pm. Johnson ice rink.

SATURDAY February 12

A Needle Woman
Videos created between 1999 and 2001, document Kimsooja, dressed in simple gray clothing standing rigidly in the busy streets of Tokyo, Shanghai, Delhi, New York, Mexico City, Cairo, Lagos, and London. Media Test Wall, Whitaker Bldg 56. On view 24 hours. 253-4400.

Varsity Men's Volleyball Tri-Match vs. Rivier and Elms
10:30am. du Pont Gymnasium. 258-5265.

Artist Talk
Pavel Braila speaks about his exhibit at the List Center. 2pm. List Visual Arts Center. 253-4680.

Chinese New Year Celebration
7pm. Student Center.

SUNDAY February 13

The Clipper Ship Era
Exhibition focused on the design, construction, speed and social experience of the clipper ship era. MIT Museum. Noon-5pm. 253-4444.

International Folk Dancing (participatory)
8pm. Lobdell Dining Hall (2nd floor) 253-FOLK.

Go Online! For complete events listings, see the MIT Events Calendar at: http://events.mit.edu.
Go Online! Office of the Arts website at: http://web.mit.edu/arts/office.

EDITOR'S CHOICE

WOMEN'S STUDIES SYMPOSIUM — *Feb. 12*
Patricia Williams, Chandra Mohanty and Barbara Ehrenreich. Presented for the Program in Women's Studies 20th Anniversary.
Room 10-250
10 a.m. to 4:30 p.m.

LEBANESE-SYRIAN RELATIONS — *Feb. 15*
Professor Noam Chomsky lecture on "The United States in the Middle East: Confronting Syria." 452-5380.
Room 32-141
7 p.m.

MIT CHAPEL CONCERT — *Feb. 17*
Lexington Sinfonietta Chamber Players. Music by H.H. A. Beach. 253-9800.
MIT Chapel
Noon

MIT EVENT HIGHLIGHTS FEBRUARY 14 - 20

MONDAY February 14

Valentine's Day
Candies, flowers, and gifts exchanged in the name of St. Valentine—and Hallmark.

Technology in Israel Exhibit – Opening Reception
Interactive exhibit showcasing Israel's triumphs in technology. 6am-8pm. Kresge Lobby. 253-2982.

U.S. Planning and Realities of Post-war Iraq
The "Politics of Reconstructing Iraq" Colloquium. 5:30pm. Room 1-190. 324-0318.

CAVS Artist's Presentation: Seth Price
Explore the artist's mastery of desktop publishing. Center for Advanced Visual Studies series. 6:30pm. Room N52-390. 452-2484.

TUESDAY February 15

Did Bell Steal the Telephone?
Seth Shulman discusses the intrigue at the heart of one of the world's greatest inventions. Room E56-100. Noon. 253-6989.

Joint Tufts/ CfA/MIT Cosmology Seminar
Richard Easther of Yale asks, can cosmology test string theory? 2:30pm. Building 6, third floor seminar room. 253-4827.

"Establishing International Identities: Asian Migration and the Globalization of Borders, 1850-1930"
Talk by Adam McKeown of Columbia. Building E38, 7th floor conference room. 258-7706.

Valentine's Day/Mardi Gras Contra Dance
Live music by the Dixie Butterhounds. 8pm. Sala de Puerto Rico. 354-0864.

WEDNESDAY February 16

$30,000 Lemelson-MIT Student Prize Press Conference
Announcement of 2005 winner. 10:30am. Building W20, 3rd Floor. 253-3352.

The Greatest Tools on Earth—MIT Slide Rule Collection
Celebrate the magical tool that helped engineers design everything from skyscrapers to space shuttles. Noon. MIT Museum. 253-4444.

Arts Colloquium
Poet/author Bill Corbett speaks on his work. 5pm. Room 14E-304. Reservations required. 253-9821 by Feb 11.

A New Chance for Israel-Palestine?
Talk by Naomi Chazan. 6pm. Bartos Auditorium. 253-3121.

THURSDAY February 17

Election 2004: Did the Media Fail?
Panel discussion with PBS' Terence Smith, Boston Globe's Cathy Young and Reason magazine. 5pm. Bartos Theater. 253-3521.

"The Vagina Monologues"
Benefit production of Eve Ensler's "The Vagina Monologues" for V-Day, a worldwide movement to stop violence against women and girls. $10, $8 students. Feb. 17-19. 8pm. Kresge Little Theater.

IFILM Seminar
Discussion and showing of the film, "Jacques le Fataliste." 8pm. Room 4-237.

Karaoke Night at the Thirsty Ear
Come show off your talent. 21+, proper ID required. 8pm.

FRIDAY February 18

Tax Information Session for International Scholars
Information about federal and state tax filing and instructions for CINTAX. 10am. Stratton Student Center, 3rd Floor. 253-2851.

Focus on the Arts: Adèle Naudé Santos
MIT's new dean of the School of Architecture and Planning speaks about the future of the school. 11:30am. Room 10-340. 253-3656.

Iraqi Civilian Deaths: The Numbers and the Implications
Talk by Dr. Les Roberts, Bloomberg School of Public Health, Johns Hopkins University. Noon. Room E38-714. 253-3121.

Comedy Collage
Three-hour comedy showcase. $3. 7:15pm. Kresge Auditorium. 225-7429.

SATURDAY February 19

"Gaijin"
Photographs from Japan by Bahadir and Melissa Kavlaki, administrative assistant II, Office of Environment, Health and Safety. 1-6pm. Room 7-238. 258-5590.

Varsity Men's and Women's Fencing New England Championship
8am. Johnson Athletic Center. 258-5265.

Chinese New Year Banquet
Entertainment and a full course meal. $12. 6pm. Walker Memorial.

PULSE: One Beat...One World
Drumming, Jazz, Breakdancing, Hip-Hop, Step, Spoken Word, and more. 8pm. Kresge Auditorium.

Underwater Hockey
Scuba Club invites all to participate. 8:15pm. Z-Center pool.

SUNDAY February 20

"Phase II: Visualizing Physics: Transforming Science Learning at MIT"
An insider's view of how MIT is redesigning the way it teaches physics. Noon-5pm. MIT Museum. 253-4444.

"Celebrate 350: Jewish Life in America"
Exhibit chronicling the history, accomplishments, and contributions of American Jews. W11-Small Dining Room Gallery. 253-2982.

International Folk Dancing (participatory)
8pm. Student Center, Lobdell Dining Hall. 253-FOLK.