



Hackers turned the Boston side of the Green Building into a giant game of Tetris, see p. 11. GRAHAM H. BRATZEL

# Sloan prof. and son in hedge fund fraud

## Bitrans pay \$4.8 million to settle

By Anne Cai  
NEWS EDITOR

MIT Sloan School of Management Professor Gabriel Bitran PhD '75 and his son Marco Bitran '97 have agreed to pay \$4.8 million to settle hedge fund fraud charges brought against them by the Securities and Exchange Commission (SEC), the SEC said on Friday.

The report stated that the Bitrans, on multiple counts, misrepresented their firms' historic performance, strategy, and investments to investors and media.

In 2005, Gabriel founded GMB Capital Management (GMB Management), stating that the firm would manage hedge funds using the quantitative models he had developed, according to the SEC's order. The three main selling points the Bitrans used to market GMB Management were based on their supposed track record of successful actual trades with real money since 1998, their use of Gabriel's optimal pricing model in these trades, and Gabriel's "pedigree and involvement as founder and portfolio manager of hedge funds."

However, the SEC said that the supposed track record was not based in reality, but rather on "back-tested hypothetical simulations," particularly "hypothetical historical allocations to six hedge fund managers." Additionally, despite the promise to use Gabriel's model to trade liquid securities, most of the fund was actually invested in "illiquid investments in other hedge funds" — including funds managed by Bernard L. Madoff — and did not make use of

the optimal pricing model.

On the third point, in June 2006, Marco joined his father as a managing member of GMB Management, and two years later in May 2008, GMB divided into GMB Management and GMB Capital Partners (GMB Partners), the latter of which was advised by Marco with no involvement, advisory or otherwise, from Gabriel. GMB Partners was still marketed to investors based on the same three false points. In this particular aspect, GMB Partners falsely advertised based on Gabriel's "pedigree."

In response to an unannounced examination by the SEC's Boston Regional Office, GMB Management provided false documents. The examiners were given a fabricated record of Gabriel's trades from 1998 to 2005. The document claimed that the trades were recorded "in real-time," but in fact were neither "true nor accurate," according to the SEC order. Additionally, when SEC examiners requested correspondence between GMB Management and its clients, including emails during a specified time period, they were told that email was not Gabriel's "primary method of communication," and an email sent from Gabriel's account stated that no such emails were found. However, when faced with subpoenas from the examiners, GMB management provided relevant email correspondence between Gabriel and GMB Management clients.

The SEC's investigation also showed that, in several incidences,

Hedge fund fraud, Page 19

# MIT proposes \$450m facility

## MIT seeks to invest in research facility run by Lincoln Lab

By Bryan Bender  
THE BOSTON GLOBE

WASHINGTON — The Massachusetts Institute of Technology is proposing to build a \$450 million research facility at Hanscom Air Force Base in Bedford in a long-term venture that would reinforce the base's high-tech mission without requiring new federal spending, according to government officials.

The 10-year plan would enhance the value of the base, where weapons and other defense research is conducted, at a time when Massachusetts officials worry Hanscom could be a victim in a new round of cost-saving base closures.

The research facility, to be run by MIT's Lincoln Laboratory, would design small electronic components for use in emerging aerospace, communications, and missile technologies.

The plan has already been approved by the Pentagon and is now pending approval from Congress. No opposition is expected.

"It's a win for Hanscom, for MIT, and for businesses in the areas that need access to research facilities," said William B. Bonvillian, director of MIT's Washington office.

"This would be a major new innovation capability for Lincoln Labs. It replaces 1950s and 1960s buildings that have reached the end

of their utility. It's a major asset for the state," Bonvillian said.

It also comes with a key attraction: With MIT financing it, the cash-strapped federal government would not have to shell out construction money, although it would later pay fees to use the research space.

Planners estimate that the construction would create at least 275 jobs over three or four years and require \$150 million worth of locally and regionally produced materials, said Tony Sharon, assistant director for operations at Lincoln Laboratory.

Lincoln Lab, Page 15

## REPORTER'S NOTEBOOK

# MIT-SU Scholar Program

## Eight students selected for spring break in Turkey

By Leo Zhou  
ASSOCIATE NEWS EDITOR

During this past spring break, I had the fortunate opportunity to visit Turkey in an all-expense-paid trip courtesy of the MIT-Sabancı University (SU) Freshman Scholar Program. A total of eight students were invited for a week-long stay at SU in Istanbul, Turkey by merit of their performance in freshman-level classes.

Established in 2004, the Freshman Scholar Program has allowed 8–10 top-performing students from SU to visit MIT for a week in April every year. This is the first year that MIT students were invited to Turkey. Dean for Undergraduate Education Daniel Hastings PhD '80, said that they decided to make the program reciprocal so that MIT students could get a sense of a first-rate Turkish institution of higher education.

A. Nihat Berker '71, President of SU and Emeritus Professor of Physics at MIT, was chiefly responsible for the program. At Berker's request, the various departments of MIT selected one to three current sopho-

mores who had the highest grades in their freshman classes last spring as candidates for the program.

Each department selected students independently. Krishna Rajagopal, the Physics Department's Associate Head of Education, went into the grade-books of 8.02 (Electricity & Magnetism), 8.022 (an advanced version of 8.02), and 8.03 (Vibrations & Waves) last spring and selected those with the top grades. However, there were seven eligible students by that criterion, and he was forced to break the tie using a random lottery.

Once we arrived at Istanbul, Berker greeted us at the airport and immediately gave us a personal tour of historic city, which is located right at the juncture of Europe and Asia. Each one of us was paired up with two "buddies," one current and one past MIT-SU Freshman Scholar.

"I think what I enjoyed most [during the trip] was how friendly and welcoming everyone was to us," said Priyanka Saha

MIT-Turkey, Page 13

# Sherley continues arguing against stem cell research in court

James L. Sherley, the former Course 20 MIT professor trying to stop government funding of embryonic stem cell research, had his day in court yesterday — again. This was his third time before the appeals court.

Sherley is now appealing on the merits of his case, after a complex sequence of court events. The D.C. district court found preliminarily in his favor, but the government appealed and the appeals court found against him on the preliminary injunction. Then the district court, respecting the appeals court's decision, ultimately found against Sherley.

Both sides argued yesterday before a three-judge panel, which included Chief Judge David B. Sentelle. According to coverage by *Science* and *Nature*, Sentelle asked most of the questions in the oral argument.

Sentelle, joined by Judge Janice R. Brown, strongly focused on the question of whether the appeals court was bound by its earlier decision on the preliminary injunction (against Sherley).

Sherley, Page 17

## IN SHORT

Drop date is this Thursday! Make sure you get your forms signed.

Undergraduate summer housing applications are due at midnight tomorrow at [http://housing.mit.edu/summer\\_guest/summer\\_housing\\_application](http://housing.mit.edu/summer_guest/summer_housing_application).

Freshmen must declare a departmental major or declare Undesignated Sophomore by Friday.

Nominations for Student Leader Awards are being accepted at <http://studentlife.mit.edu/sao/sla/awards> until 5 p.m. Friday.

MIT's American Red Cross Team and Network will be continuing their blood drive today 8 a.m. – 6 p.m. and tomorrow 1 p.m. – 6 p.m. in La Sala at the Student Center.

Kick off Spring Weekend with a showing of *Up* on Kresge lawn at 9:30 p.m. this Thursday.

Send news information and tips to [news@tech.mit.edu](mailto:news@tech.mit.edu).

## WHAT'S IN A PROTEST?

How much do the Russian protests actually mean? **OPINION, p. 4**

## MY MARATHON EXPERIENCE

Watching the Boston race brings back memories. **CAMPUS LIFE, p. 6**

## REMEMBERING THE PAST

We owe it to the world to not let crimes go forgotten. **OPINION, p. 4**



## CPW HIGHLIGHTS

See some of the hacks and fun from what's being touted as the best CPW ever. **PHOTO, p. 11**

## HOW TO PICK YOUR CLASSES

Just judge them by the lecture hall! **FUN, p. 8**

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## Google spends a record amount on lobbying

With Congress and privacy watchdogs breathing down its neck, Google is stepping up its lobbying presence inside the Beltway — spending more than Apple, Facebook, Amazon and Microsoft combined in the first three months of the year.

Google spent \$5.03 million on lobbying from January through March of this year, a record for the Internet giant, and a 240 percent increase from the \$1.48 million it spent on lobbyists in the same quarter a year ago, according to disclosures filed Friday with the clerk of the House.

By comparison, Apple spent \$500,000; Facebook spent \$650,000; Amazon spent \$870,000; and Microsoft spent \$1.79 million. Google even outspent Verizon Wireless, a notoriously big spender, which spent \$4.51 million.

The increase is a sign that the search engine company can no longer afford to operate in a Silicon Valley vacuum. For years, Google had a reputation for indifference inside the Beltway. It took Google until May 2005 to set up a presence in Washington and, even then, its headquarters consisted of a one-man lobbying shop in suburban Maryland.

—Nicole Perlroth, *The New York Times*

## \$550 million patent pact for Facebook and Microsoft

SEATTLE — A plan by Facebook to acquire a broad range of patents through a deal with Microsoft is on its surface yet another twist in the battles over intellectual property engulfing the tech business.

But the subtext of the deal is a different story, showing how two of technology's most powerful players are teaming to create a greater balance of power on the Internet — a market that has been tilted decisively in favor of one company, Google, for years. "This is almost certainly a move against Google," said Rebecca Lieb, an analyst at Altimeter Group, a research firm.

The agreement between Microsoft and Facebook, announced Monday, came less than two weeks after Microsoft agreed to pay more than \$1 billion for 925 patents held by AOL. In a second deal, Microsoft said it had turned around and sold 70 percent of those same patents — about 650 in all — to Facebook for \$550 million in cash, along with rights to 275 AOL patents that Microsoft plans to retain.

—Nick Wingfield, *The New York Times*

## Netflix predicts slow subscriber growth for next quarter

Netflix said Monday that it finished the first quarter with nearly 3 million more streaming subscribers than it had started with, showing continued interest from Internet users despite the company's missteps last year.

But the company's prediction of slower subscriber growth in the second quarter rattled investors Monday afternoon. In after-hours trading, Netflix stock slumped more than 16 percent.

Netflix blamed "increased seasonality" for its second-quarter projections, anticipating 23.6 million to 24.2 million U.S. subscribers in its streaming video service, a gain of 200,000 to 800,000. At the end of the first quarter, it counted a total 23.4 million such subscribers, up 1.74 million from the prior quarter.

The company also said that it added 1.21 million subscribers in international markets, for a total of 3.07 million outside the United States.

In a joint letter to investors, the Netflix chief executive, Reed Hastings, and the chief financial officer, David Wells, said the company — which had projected it would lose money this year because of international expansion plans — would return to global profitability in the second quarter.

—Brian Stelter, *The New York Times*

# Police chief's resignation over Florida shooting rejected

By Serge F. Kovalski and Jennifer Preston  
THE NEW YORK TIMES

SANFORD, Fla. — Several hours after the city manager announced that he had reached an agreement with Chief Bill R. Lee Jr. to resign over the Sanford Police Department's handling of the Trayvon Martin case, the City Commission voted late Monday afternoon to reject Lee's resignation.

Mayor Jeff Triplett was among the 3-2 majority of commissioners to vote "no confidence" in Lee last month, prompting him to temporarily step aside. But during a special meeting Monday to consider Lee's future, Triplett was clearly conflicted amid a spirited debate punctuated with applause and standing ovations in the audience from backers of the chief.

In the end, Triplett voted in favor of Lee's remaining in the department, once again as part of a 3-2 majority. He said he wanted to review the reports of an independent investigation about the Police

Department's handling of the case before making a decision.

"I am not ready to have him come back and run the Police Department," Triplett said. "But I am not ready for this either."

According to a copy of the agreement, Lee admitted no wrongdoing. In the three-page document, he explained that he was resigning at the suggestion of the city manager, Norton N. Bonaparte Jr., "solely to allow the city to move beyond recent events."

The agreement said Lee would receive several lump-sum payments on May 4, including one equal to 98 1/4 days of pay and one for 217 hours of accrued leave. Bonaparte said in a brief interview Monday night that the agreement would have been worth \$54,000 to Lee.

Lee stepped aside temporarily on March 22, after just 10 months in the job, amid local protests and a national uproar that raised questions about why Sanford police did not immediately arrest George Zimmerman, a neighborhood watch volunteer, after the Feb. 26

shooting and killing of Martin, an unarmed 17-year-old. Martin had been walking through a gated development where Zimmerman, 28 and Hispanic, lived and where Martin was staying as a guest.

Early Monday, Zimmerman, who was charged with murder by a special prosecutor, was released from jail on a \$150,000 bond. His whereabouts remained a secret — he may be outside Florida — because of death threats, his lawyer said.

Before the commission voted, Bonaparte said that "the city has experienced great turmoil in the past two months" and that "we are hoping to stabilize the department and continue with this time of healing."

With the Sanford City Commission rejecting the separation agreement, Bonaparte, who has been on the job only since September, said Lee would remain on administrative leave, and on the payroll, while the city conducts a national search for an interim police chief and pursues an independent investigation. In the meantime, Capt. Darren Scott, will remain the acting chief.

## UN observers prove little deterrent to Syrian attacks

By Neil MacFarquhar  
THE NEW YORK TIMES

BEIRUT — Syrian government forces engaged in an extended game of cat and mouse against U.N. observers Monday, attacking cities like Hama after the monitors left and adopting a low profile as the monitors visited the Damascus suburbs.

Hama, which had been quiet a day before when the U.N. team visited, boomed repeatedly as shells exploded in the Arbaeen and Mashaa al-Arbaeen neighborhoods, according to activists and videos posted on YouTube. The videos showed plumes of smoke erupting over low, dun-colored houses.

The ability and willingness of government forces to strike civilian centers even with monitors in the country seemed only to confirm widespread feelings in Syria of the

futility of the mission. The observers' unwillingness to rove around the country on Fridays — the day of protest — was the first sign to many among the opposition who saw it as a toothless operation from the start.

"There has been an unprecedented deployment of security forces all around the northern part of the city," said Ahmad, an activist in Hama reached via Skype. "This is Annan's gift," he added, referring to Kofi Annan, who negotiated the ostensible cease-fire under U.N. auspices.

Activist organizations put the death toll around 30, with some reportedly struck down by machine gun fire.

Ahmad, who used only one name for fear of retribution, said the armed forces seemed to be targeting those neighborhoods in Hama where hundreds had turned out to demonstrate against the regime while the inspectors were in

the city Sunday.

In the Damascus suburb of Douma, which witnessed a violent government assault Sunday, the soldiers faded into the background, witnesses said. Instead, a raucous crowd of hundreds materialized on the streets, mobbing a small knot of weapons inspectors and chanting for the fall of the Syrian government.

In another town near Damascus, Zabadani, activists complained that the six inspectors barely spent any time, using most of it to visit the local government headquarters and skipping areas destroyed by shelling. A video described as having been shot in Zabadani on Monday showed the distinctive white U.N. vehicles driving past a tank and an armored personnel carrier that were parked on the main square in flagrant violation of the six-point peace plan. That plan calls for the return of the military to its barracks.

### WEATHER

## Breezy weather this week; more rain will come soon

By Allison A. Wing  
STAFF METEOROLOGIST

The weather at the beginning of this week has been quite a contrast to the weather last week. Last Monday (Patriot's Day), a record high temperature of 87°F was set in Boston. Temperatures also reached in to the 80°F's last Tuesday — but this week is quite a different story.

While the rainy conditions of the last few days occurred with seasonal temperatures

around 60°F here at MIT, parts of central and western NY and PA actually received up to 6 inches of snow! That low pressure system, which brought the Boston area over 2 inches of rain over the last two days, is finally leaving our region, with breezy conditions moving in behind it for the next couple of days. A couple of upper level disturbances will rotate through, giving us a chance for some more rain showers tomorrow and Thursday afternoons.

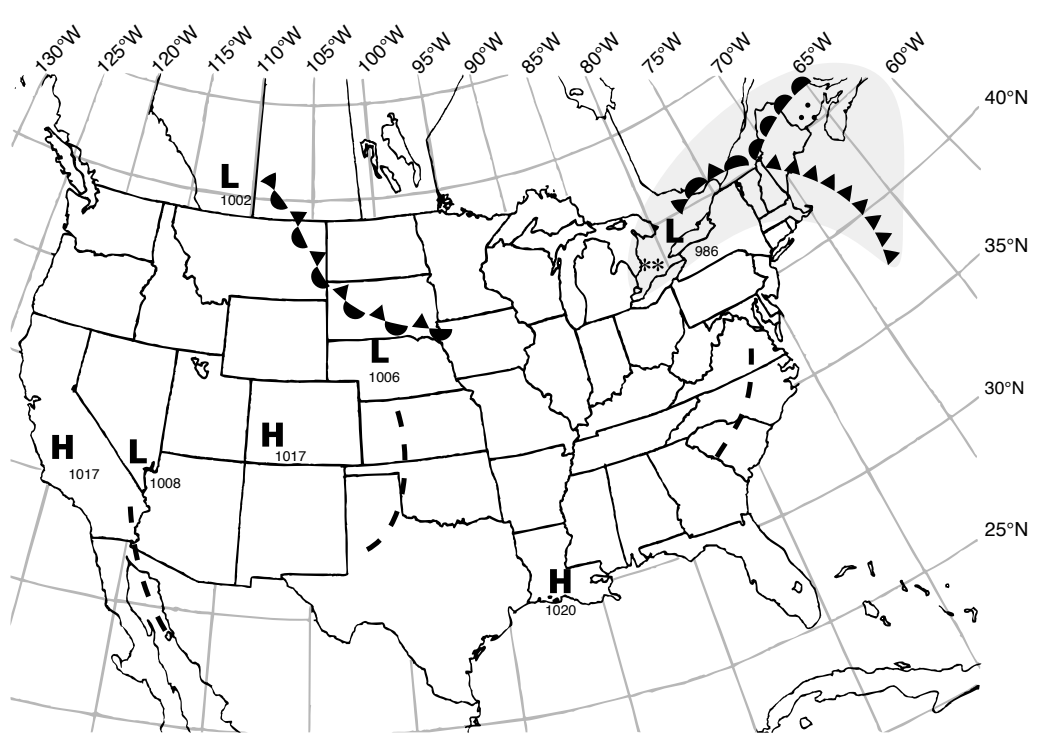
### Extended Forecast

**Today:** Mostly sunny and breezy. High 63°F (17°C).

**Tonight:** Partly cloudy. Low 45°F (7°C).

**Tomorrow:** Partly cloudy, chance of showers. High 60°F (16°C). Low 43°F (6°C).

**Tuesday:** Mostly sunny and breezy. High 59°F (15°C). Low 41°F (5°C).



Situation for Noon Eastern Time, Tuesday, April 24, 2012

Weather Systems	Weather Fronts	Precipitation Symbols	Other Symbols
<b>H</b> High Pressure	- - - Trough	Snow * Rain ▽	Fog ☼
<b>L</b> Low Pressure	— — — Warm Front	Shows * Light *	Thunderstorm ⚡
<b>S</b> Hurricane	▲▲▲ Cold Front	Moderate ** Heavy ***	Haze ☼
	▲▲ —● Stationary Front		

Compiled by MIT Meteorology Staff and The Tech

# New sanctions announced for aiding Syria and Iran

By Peter Baker  
THE NEW YORK TIMES

WASHINGTON — President Barack Obama moved to tighten sanctions on Syria and Iran on Monday by taking aim at those who provide their authoritarian governments with technology to track down dissidents for abuse, torture or death.

The measures underscored the role that computers, social media and cellphones have played in the recent political upheavals in the Middle East, not just in organizing resistance to entrenched leaders but also in helping security services crack down on protesters. The president's action is meant to put on notice individuals and companies that provide the technology that enables human rights abuses.

The announcement came as Obama continues to search for a more effective response to the killings in Syria, where more than 9,000 people have died over the past year as the government of President Bashar Assad has tried to suppress

a popular uprising. Critics have described Obama's response as too passive and have called for more robust action to halt the violence.

Obama argued Monday that the focus on technology reflected an ever-widening set of actions that would eventually stop Assad.

"These technologies should be in place to empower citizens, not to repress them," Obama said in a speech at the U.S. Holocaust Memorial Museum. "It's one more step that we can take toward the day that we know will come, the end of the Assad regime that has brutalized the Syrian people."

The new measures reflect the rapidly evolving nature of the political struggles in the Middle East.

"I'm sure countries like Sudan, Syria and others are watching closely what's happening on Facebook," said Michael Abramowitz, director of the Holocaust museum's Committee on Conscience. "They don't need to send plainclothesmen to follow activists anymore. They can follow them online."

Obama made the announcement at the emotionally symbolic

museum after touring the exhibits alongside Elie Wiesel, the Holocaust survivor and Nobel Peace Prize laureate. Wiesel, invoking the Holocaust, used the occasion to implore Obama to stand against Assad and President Mahmoud Ahmadinejad of Iran.

"Have we learned anything from it?" Wiesel said. "If so, how is it that Assad is still in power? How is it that the No. 1 Holocaust denier Ahmadinejad is still a president?"

Obama, who has been criticized over his Israel policy, presented himself as a staunch defender of the Jewish state and vowed to counter the threat to it posed by Iran.

"The United States will do everything in our power to prevent Iran from getting a nuclear weapon," he said.

The executive orders, which Obama signed Sunday and were first reported by The Washington Post, authorize financial and travel restrictions against those who aid the Syrian and Iranian governments in using technology to hunt down their own citizens.

# NATO shows confidence in Afghan security forces

By Graham Bowley  
THE NEW YORK TIMES

KABUL, Afghanistan — A week after a complex insurgent attack paralyzed the capital, NATO commanders on Monday offered a startlingly buoyant assessment of security gains across the country and of the readiness of the Afghan police and the army to take full control of their country as U.S. and other international forces leave.

"By December 2014, the Afghan National Security Forces will be well able to take on the task of executing an ongoing counterinsurgency campaign," a senior NATO official said at a news conference called under standing ground rules of anonymity. "We are very confident that we can hand off responsibility to them."

The confidence the commanders laid out is at odds with both the unease many Afghans feel about the possible encroachment of insur-

gents as the foreign forces withdraw, and the reality in those stretches of rural territories the Taliban have claimed outside the main cities. But the assessment is in keeping with quiet comments made recently by NATO leaders that they wanted to get out a message that Afghan forces were performing well, a message that they said was being underplayed. The preparedness of the Afghan forces is an important plank of the Western coalition's withdrawal plans.

Since the high-profile attacks in Kabul on April 15, in which Taliban suicide bombers and gunmen set siege to the diplomatic quarter and the Parliament for hours and struck in three eastern provinces, NATO and Afghan authorities have initiated something of a full-court press, emphasizing their view that Afghans played a central role in routing the insurgents.

On Monday, NATO portrayed a situation in Kabul and across Afghanistan in which Taliban activity

is waning and security zones have been widened, even in former Taliban heartlands in the south. Even in Kabul, major events like the traditional council gathering called the loya jirga last fall went ahead without disruption, NATO said.

All this was possible, officials said, as a result of relentless pressure from coalition and Afghan troops and widening divisions and frictions within the insurgents.

Insurgent attacks were down 10 percent last year, compared with a year earlier, and officials expected the trend to continue this year. "The Afghans are really stepping up to the mark," the senior NATO official said, but he offered no statistics on missions undertaken either solely or predominantly by Afghan forces.

Musa Mahmodi, executive director of the Afghanistan Independent Human Rights Commission, said that there were signs of improving security, including that the Taliban were weakened, but that the army still needed long-term support.

# Supreme court lets rent stabilization law stand

By Adam Liptak  
THE NEW YORK TIMES

WASHINGTON — Tenants in nearly one million apartments subject to New York City's rent regulations could breathe a sigh of relief Monday. The U.S. Supreme Court, after indicating it might be interested in hearing a challenge to the regulations, decided to let them stand.

As is customary when the court declines to hear a case, the justices gave no reasons. There were no published dissents. Perhaps one in 100 petitions seeking review by the court is granted, meaning that the decision not to hear the case sent no larger message.

The challenge to the rent law was brought by James D. Harmon Jr. and Jeanne Harmon, the owners of a five-story brownstone near Central Park. They live on the lower floors and rent out the six apart-

ments, two to a floor, above them.

Three of those apartments are subject to New York's rent-stabilization regulations, under which the government sets maximum permissible rent increases and generally allows tenants to renew their leases indefinitely.

According to the Harmons' lawsuit, filed in 2008, the tenants in the rent-stabilized units pay around \$1,000 a month, or about 60 percent below the market rate.

The suit did not directly challenge the rent control law, an older system that applies to far fewer tenants. The Harmons said that requiring them to accept below-market rents amounted to an unconstitutional taking of their property.

"We still believe that the Constitution does not allow the government to force us to take strangers into our home at our expense for life," Harmon said in a statement issued after the court turned

down the case Monday. "Even our grandchildren have been barred from living with us. That is not our America."

David Mlotok, a tenant in one of the Harmons' regulated apartments since 1976, said in an email, "Obviously I'm relieved by the decision."

A lawyer for the city, Alan Krams, said it was pleased with the ruling.

"Rent regulation in New York City has a long history," he said in a statement, "and the court properly left it to elected state and city officials to decide its future."

Last year, the U.S. Court of Appeals for the Second Circuit, in New York ruled against the Harmons. In an unsigned summary order, a three-judge panel of the appeals court said the couple knew what they were getting into when they acquired the building.

It was that decision that the Supreme Court declined to consider.

# Occupy movement prepares for Democratic Convention

CHARLOTTE, N.C. — Hay and grass seed cover the bare spots on the lawn in front of the stately old City Hall where Occupy Charlotte's camp held its ground for nearly four months. The occupiers are gone now and the protest movement quieted after arrests, a new anti-camping ordinance and, to a degree, the group's own missteps along the way.

But as the grass begins to take root, so does a resilient Occupy Charlotte. A small group still meets regularly in the city, participating in targeted protests and planning ahead for some critical dates already circled on the calendar: May 9, when the annual Bank of America shareholders meeting is held in Charlotte, and, more important, Sept. 3, when the Democratic National Convention comes to town.

Every four years the political conventions become magnets for mass protests, but this year the Occupy movement has added an unpredictable element to the mix. In Charlotte, the movement has already shown its clout by turning out hundreds of protesters in October to demonstrate against Bank of America and a resulting encampment on the lawn in front of City Hall.

—Viv Bernstein, *The New York Times*

# Norwegian who killed 77 says he shared in loss

OSLO, Norway — Anders Behring Breivik, the self-described anti-Islamic militant who admitted killing 77 people in a bombing and shooting rampage last summer, sought Monday to include himself among the victims, telling a court that he was able to undertake the "gruesome" murders of scores of youths because they were "necessary" and telling bereaved families that he, too, had paid a high price.

Describing how he stalked and executed teenagers attending a political youth camp on the wooded island of Utoya, Breivik, 33, said: "I have never experienced anything so gruesome. It was probably even more horrendous for those I was hunting. But it was necessary. Yes, it was necessary. The July 22 operation was necessary."

"When people say they have lost their most beloved, I also lost my entire family, I lost my friends," he also said. "It was my choice. I sacrificed them, but I lost my entire family and friends on 22 July. I lost everything. So to a certain extent, I understand."

Monday was the last scheduled day of testimony from Breivik, who maintains that he acted out of a dedication to fight political acceptance of the "Islamic colonization of Norway." The court will now begin to hear from witnesses of the shootings on Utoya, which left 69 people dead, and a bomb blast in central Oslo that killed eight more people.

—Mark Lewis, *The New York Times*

# Mexican immigration to US slowed dramatically, report says

Mexican immigration to the United States, the largest wave of migrants from a single country in the nation's history, has slowed to a halt after four decades of surging growth and may be declining, according to a report released Monday by the Pew Hispanic Center.

In what the report called a "notable reversal of the historic pattern," the number of Mexicans leaving rose sharply in the five years after 2005, while the new flow of migrants coming from Mexico into the United States fell steeply.

For the first time in at least two decades, the population of illegal immigrants from Mexico living in this country was significantly decreased, according to the report. In 2011, about 6.1 million Mexicans were living here illegally, down from a peak of nearly seven million in 2007, it said.

"We really haven't seen anything like this in the last 30 or 40 years," said Jeffrey Passel, senior demographer at the Pew Hispanic Center, who co-wrote the report with D'Vera Cohn and Ana Gonzalez-Barrera.

The center is a nonpartisan research organization in Washington that does not advocate for policy positions.

Overall, the report said, about 58 percent of an estimated 11.2 million illegal immigrants in the United States are from Mexico.

—Julia Preston, *The New York Times*

# Financial outlook dims for social security

WASHINGTON — The financial health of the Social Security system deteriorated in the past year, while the outlook for Medicare stabilized somewhat, the government said Monday.

The annual report by the trustees for the two federal retirement programs estimated that the Social Security trust funds would be exhausted in 2033, three years earlier than the trustees projected a year ago.

But they left unchanged their estimate that Medicare's hospital insurance trust fund would be exhausted in 2024. That is the same date that was projected a year ago and is five years earlier than was projected two years ago.

The central message of the new report remains the same: The two entitlement programs are unsustainable without structural changes that have so far eluded Congress and the administration.

The two public trustees warned that unless Congress enacts changes, "it will become increasingly difficult to avoid adverse effects on current beneficiaries, those close to retirement and low-income beneficiaries." There are six trustees: three cabinet officers, the Social Security commissioner and the two public representatives.

Another trustee, Treasury Secretary Timothy F. Geithner, acknowledging that the new assessments are "somewhat more pessimistic," said that the funds are adequate "for years to come. But what these reports also reinforce is that we must take steps to keep these programs whole for the future."

The estimates, a perennial source of political ammunition in the debate over debt, taxation, and spending on entitlement programs, come as Republicans and Democrats are blaming each other for the perilous straits of the retirement programs.

—John H. Cushman Jr. and Robert Pear, *The New York Times*



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## PUTIN III

# Some math about the Russian protests

## 100,000 means little in a country of 1,234,571 people

By Florence Gallez  
STAFF COLUMNIST

While it is true that the 2011-2012 Russian street protests have been unprecedented in recent years in their scale — with a participation unseen since the 1990s — one may well want to take a closer look at the figures being trumpeted by Western and Russian pro-democracy observers and media (which incidentally have almost always been much higher than the official statistics from city authorities).

Describing one of the largest protests, *The Economist*, echoing many of its colleagues in the Anglo-Saxon press, exuberantly wrote: “But Russia is changing. A richer and more vocal middle class has sprung up, one that recognizes Russia as an ill-governed kleptocracy. The rigged parliamentary poll in early December was followed by street protests in Moscow and elsewhere. A demonstration in Moscow on February 4th got 100,000 people outside in a temperature of -22°C.”

“100,000” — that’s in a city with a population of 11,503,501, according to the 2010 Census. Similarly, U.S. and Western media reports have been replete with celebratory mentions of “thousands and thousands” of anti-Putin demonstrators

and democracy activists in their coverage of the protests, ostensibly dismissing the fact that this is in a country with a population estimated in 2012 at 143,030,106.

**Even in freezing temperatures, long lines can be seen at ticket sales booths in the streets, food vendors’ kiosks and the entrances of entertainment venues.**

Please help me with my math if I am missing something here.

As for “In a temperature of -22°C” (-7.6°F): Russians’ Arctic cold-braving abilities have also been much extolled by these same media and are often presented as evidence of their passion for democracy. What these reports don’t say is that (at least speaking to my knowledge for Moscow and Saint Petersburg) throughout the long Russian winters, theaters, cinemas, nightclubs, shops and restaurants are packed, and even in freezing temperatures, long lines can be seen at ticket sales

booths in the streets, food vendors’ kiosks and the entrances of entertainment venues. In other words, Russians are out and about —not hibernating bear style-like throughout the cold season, except for getting out to go and defend democracy in public spaces as the stereotyping Western media would like us to see them.

If to compare to the Middle East protests, citing just one case out of many: a full year after the first uprisings in the small island state of Bahrain, on March 9, 2012 “at least 100,000 people participated in one of the largest anti-government protests along Budaiya highway,” according to CNN. “The march, estimated by opposition activists at between 100,000 and 250,000, filled a four-lane highway between Duraz and Muksha.” (Just a little note in parentheses: these places are not mega-cities like Moscow, but villages; and these figures are out of a population for the state estimated in 2010 at 1,234,571).

If any sense of relativity matters, it is clear then that some American journalists and pro-Western paradigm defenders worldwide have been far too optimistic in their assessments of the Russian protests, and too quick to draw comparisons with the Arab Spring movements, or with any long, deeply-ingrained desire for democratic change.

## GUEST COLUMN

# Commemorating the Armenian genocide

## Past, present, and future

During World War I, the world witnessed the first genocide of the twentieth century. From 1915 to 1918, 1.5 million Armenians (approximately 50 percent of the Armenian population at that time), along with other minorities living in the Ottoman Empire, were systematically killed by the Ottoman Turks. The Armenian Genocide is commemorated on April 24; it was on this day in 1915 that the Young Turks, the ruling party of the Ottoman Empire, ordered the killing of Armenian intellectuals, leaders, artists, and businessmen living in the Ottoman Empire. Following this day, many Armenian men were massacred and plans for the genocide were implemented.

In the three years since, Armenian men, women, and children were deported to Deir ez-Zor desert in Syria and made to march in extreme conditions. Many died en route and many more were killed by Turkish military men enforcing the march. Even after journalists and diplomats, such as Henry Morgenthau, called for help for the Armenians, countries like Great Britain and the United States failed to respond effectively.

Within the MIT community, students of

Armenian descent, both at the undergraduate and graduate level, remember the tragic losses of their ancestors. The ancestors of one of our fellow students were among the Armenians that experienced the Genocide first-hand. After witnessing the murder of their family and friends, they escaped to Syria. Throughout the years, his ancestors have passed down the story of this terrible crime committed against the Armenian people.

To this day, the Turkish Government has made no apology or historical admittance of the Armenian Genocide. Many Turkish historians claim that there was no Genocide, but rather that the killings were simply the outcome of battles between Armenians and Turks during WWI. However, a trend has developed towards more open dialogue about the Armenian Genocide by Turkish society, albeit a slow one. For example, Professor Taner Akçam of Clark University is the first scholar of Turkish descent who has publicly recognized the Armenian Genocide and has written several books on the topic including *The Young Turks’ Crime Against Humanity: The Armenian Genocide and Ethnic Cleansing in the Ottoman Empire*, and *A Shameful*

*Act: Armenian Genocide and the Question of Turkish Responsibility*.

Today, the American government does not recognize the Armenian Genocide. President after president has made extensive promises to officially have the US government recognize the Armenian Genocide. However, no president has remained true to his word. Among these presidents are President Clinton, President Bush, and President Obama. However the list of countries that have recognized the Genocide are growing, and include France, Canada, Argentina, Germany, Italy, Uruguay, and many others.

Armenians at MIT and throughout the world remember the losses incurred to our nation and people every day; and on April 24, we come together to commemorate the Armenian Genocide. Taking into consideration recent genocides and mass atrocities in the twentieth and twenty-first centuries, our generation owes it to the world to not let such crimes go unrecognized and unpunished and to ensure that we do not see history repeated.

—MIT Armenian Society

## CORRECTIONS

An obituary for Phyo Kyaw published April 20, 2012 incorrectly spelled the name of a friend of Kyaw as “Di Yi.” The correct spelling is Di Ye '10.

## OPINION POLICY

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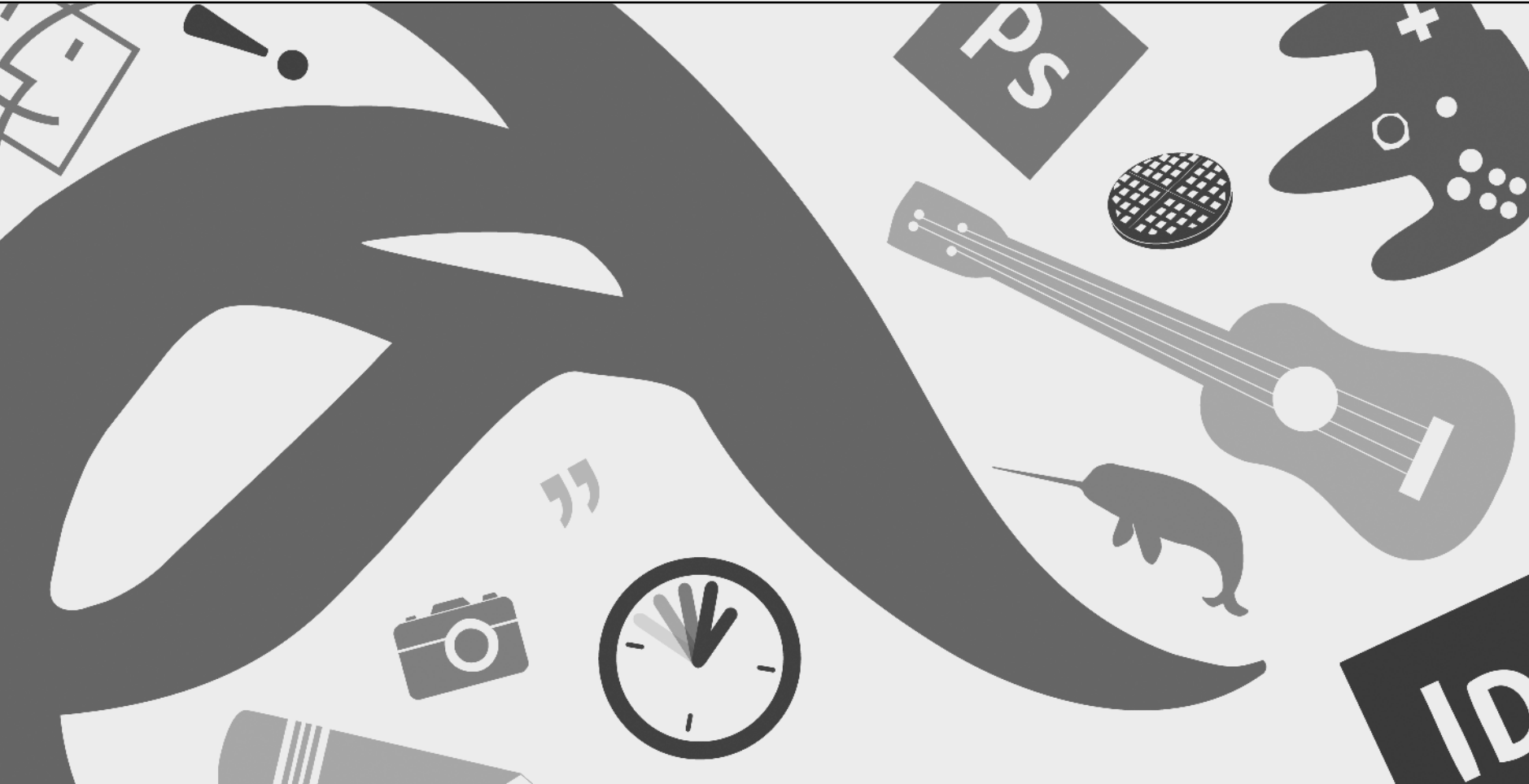
Letters, columns, and cartoons must bear the authors’ signatures, addresses, and phone numbers. Unsigned letters

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## OUTSIDE THE MIT BUBBLE

**Sweat, tears, and miles**

Running a marathon is an exhilarating experience...if you're trained

By Fabiola Michel

Ever since I ran New York City's Marathon in November 2006, nostalgia has made me a race-watching enthusiast. Last Monday, on Patriots' Day, I was very excited about going to see the 116th Boston Marathon. I found a free spot on the fence on Commonwealth Avenue just a couple of miles before the finish line. We were standing next to hundreds of people, watching and trying to cheer the marathon runners — I say trying because at that point the only cheerful thought in a runner's mind is knowing the proximity to the end.

I couldn't keep in the emotional rush when I saw all these people passing in front of me, everyone soaked in sweat and feelings. Some of the runners I saw were animated and grinning, even cheering themselves. The other extreme, with whom I identified much more, were those who had pain in their faces, those who couldn't run anymore but kept going till the end.

Standing there, at the bank of a river of runners, I remembered my own running story. I started to run on May 2005, when I moved to Mexico City after a year living in Florence, and ended my running career on November 2006 when I participated in the New York Marathon. Before 2005, I never thought about running; it sounded so boring and hollow. But that changed dramatically after a beloved friend convinced me to sign up for my first race. I spent six months training for it — from May to November of 2005. Those months were a time of extreme discipline; I trained with my group of athlete friends and we would share our progress during Saturday brunches after a hard day of running.

Brunches were always my favorite part of the day. I remember clearly, while having brunch, one of my marathon-and-triathlon-running friends telling me "the best advice I ever got was about always carrying a bill in my sock. You never know when you are going to need it."

My first race came on a Sunday morning in November. When I crossed the finish line in my first 5K race, I knew I wanted more of those six months of training crowned with the delightful joy of happily crossing the line and achieving my goal. It was made even better by being surrounded by my friends, who also ran just to be with me and celebrate together. That day, I decided I wanted to run a marathon in the next year, so I searched online and found a November marathon in New York City. I signed up.

With my objective well defined, I took two months off and found a coach to begin serious running and nutrition training. I started to run with the coach's student team — it was so cool! I met people who were training for a variety of races: triathlons, Ironmans, and marathons around the world. After two months, I realized how much I missed hanging out with my two sisters and my cousin without worrying about not drinking alcohol or counting sleep hours. The solution was obvious; convince one of my sisters to join me. That was an excellent move! Later, a group of my sporty friends decided to join and run the marathon with us too. It was too late and there were no more spaces available in the NYC race — instead they decided on the Twin Cities Marathon in October, one month before NYC's. That was great! We could share the training process. And so we did.

Each of us had a different program and schedule depending on individual performance level, but we shared distance trainings outdoors and races of 10, 15, and 20 kilometers. It was very soothing to have this group of companions. Even so, I didn't follow my program exactly and some weekends I just went out with my cousin and didn't run the distance scheduled. Months later I paid the consequence of dancing till sunrise. But I had so much fun at the time!

October came and we flew to Minneapolis. I signed up in the Twin Cities Marathon as a part of my training for NYC's and I ran 21 kilometers, half of the full length. It was so great! I experienced what everybody said to me beforehand: "You will forget to think about the technique, the pain, the blisters. You will run naturally." I immensely enjoyed that half marathon,



FABIOLA MICHEL—THE TECH

**Marathon runners complete their last mile, heading to the finish line at Copley Square.** Soaked in sweat, smiling proudly, and physically exhausted, all the finishers made a valiant effort.

running with a huge group of friends, especially when, right after the finish line, we all met together. Some were exhausted, some were fresh, but all of us were happy. That night we celebrated with the parents, husbands, wives, and children that also traveled to be with us. I still remember that entire day as one of the best in my life.

### When I crossed the finish line in my first 5K race, I knew I wanted more.

After running in gorgeous Minneapolis, I never trained again for the New York city marathon. In the span of a month I quit my job, moved out of my apartment, got a new job, and moved to a new apartment. Everything happened — I just didn't train.

November came and my family and I flew to NYC. My sister and I were so excited about the marathon! The entire city was teeming with the runner's enthusiasm. On the Sunday morning of Nov. 5th, 2006, we were warming up on the Verrazano Bridge, watching eight helicopters flying over the area, chatting with the three Danish sisters next to us, and already grinning with excitement when the race officially started with Frank Sinatra's song "New York, New York" — with every person there singing along. That collective energy made me feel incredibly happy. It was that perfect moment when you feel that you couldn't be anywhere else; you breathe so deep, as if wanting your lungs and your body filled with that moment.

Then we started to run. How quickly the 5km mark passed by, then the 10 km mark! Close to the 15km mark I lost my sister in the crowd. Till that point, I was still smiling. I passed the half marathon mark with my left knee hurting more and more every step. I slowed down. By the 26th kilometer, my right knee started to pinch. I kept going just by thinking of my friends, my training, my family, Minneapolis, and my lack of discipline; unsmiling.

Around the 30th kilometer I hit my wall. Suddenly, I felt as if my entire body had decided not to give one more step; my back hurt, my arms were so heavy, my hips ached, and my legs were burning in pain. I felt as if they were falling apart. I knew I had 12 kilometers more to run but I couldn't even run anymore! My mind was battling between two thoughts: "What am I doing? My body is breaking! I have a 20 dollar bill in my sock, I could quit now and get a cab to Central Park" and "I cannot quit. I have to do it, I know I can do it. Besides, my mom is waiting for me in the fin-

ish line." These thoughts were alternating every five seconds in the back of my head. Finally, I decided to stop this conflict that was just depleting my soul and finish the marathon. When I made up my mind I knew I would not change it back and instantly I started to cry. I needed to get the pain out of my body somehow. I felt such an acute pain in every part of my body and I couldn't do anything, but cry. And I kept, running and crying.

When people on the sidewalks tried to cheer me up, I just smiled — with my face soaked in tears — from the bottom of my heart. When I entered Central Park I felt a relief. I started to look for my mom among all the spectators but I couldn't find her. I never found my family; later they told me about their concern about missing me in the crowd — it was too late and they thought I already passed, so they went to the hotel looking for me. I kept running and crying, I couldn't feel my legs anymore. I crossed the finish line and my body was paralyzed. I wasn't able to move my legs anymore. I didn't go for my bag or Gatorade or snacks or anything, I couldn't. A boy from the medal table saw me there, standing immobile one meter after the line and helped me walk to get my medal and one of those metallic blankets. I was shaking and freezing. I walked out of the Park and when I saw the first cab available I went to the hotel. At last, I used the bill stuck in my sock.

### Finally, I decided to stop this conflict that was just depleting my soul and finish the marathon.

That day was my last as a runner. Not because I wanted to quit. Ironically, the whole marathon experience hooked me and I wanted a rematch! I needed to know that I could do it, when I committed and trained well — I enjoyed it! My doctor said au contraire: I could not do it. My knees weren't made to run. That easy.

Anyway, that year and a half was one of the most incredible experiences I have ever had, including the 42 kilometers of the marathon. Running a marathon requires one to have an unflinching physical and mental state. The time is the least important thing; whatever you chose to beat in your mind is the goal and the prize goes to your soul. I deeply admire all the runners who achieve that fortitude. That is the reason I went last Monday to applaud more of the 22,500 runners that crossed the line.

## EVENTS APR. 24 — APR. 30

### TUESDAY

(5:30 p.m. – 6:30 p.m.) Shake the World: Too Good to Fail, Legatum Lecture presented by James Marshall reilly — E62-276

(7:00 p.m. – 9:00 p.m.) *The Solitude of Prime Numbers* film screening — 32-155

### WEDNESDAY

(12:00 p.m. – 1:00 p.m.) Culinary Chemistry: Pop and Fizz at the MIT Museum — N51

(5:30 p.m. – 9:00 p.m.) 6th Annual Science Trivia Challenge — Broad Institute

### THURSDAY

(12:30 p.m. – 1:30 p.m.) Energy 101: Nuclear Fusion — 4-159

(8:00 p.m. – 10:00 p.m.) Fierce Forever 9 — W20, La Sala

### FRIDAY

(6:30 p.m., 10:00 p.m.) LSC shows *In the Family* — 26-100

(8:00 p.m. – 10:00 p.m.) That Time is Now, jazz songs presented by MIT Festival Jazz Ensemble — W-16

### SATURDAY

(10:00 a.m. – 2:00 p.m.) 2012 Undergraduate Research Symposium in Chemistry — 56-114

(9:00 p.m.) Spring Fever: MIT/Harvard Mixer Party — NW86

### SUNDAY

(1:00 p.m. – 4:00 p.m.) Interactive Ideas Fair at the MIT Museum — N51

(6:00 p.m. – 8:00 p.m.) *The Armenian Genocide* showing — 34-101

### MONDAY

(6:00 p.m. – 8:00 p.m.) City Design and Development forum: Shrinking Cities — 7-431

(7:00 p.m. – 9:00 p.m.) Play Reading: Berthold Brecht — 14W-111

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# Sheep Roast

2012

MAY 4 - 5  
SENIOR HAUS Courtyard

OPEN to the MIT Community 5pm - 1am

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PIT LIGHTING : FRIDAY at 5PM

BANDS: FRIDAY and SATURDAY 8pm - 1am

FEAST: SATURDAY at 2pm, \$12 for MEAT ( NO REGISTRATION NECESSARY )  
\$10 for VEGIE for the FEAST

\*Due to courtyard capacity, priority will be given to preregistered students over non-registered students.

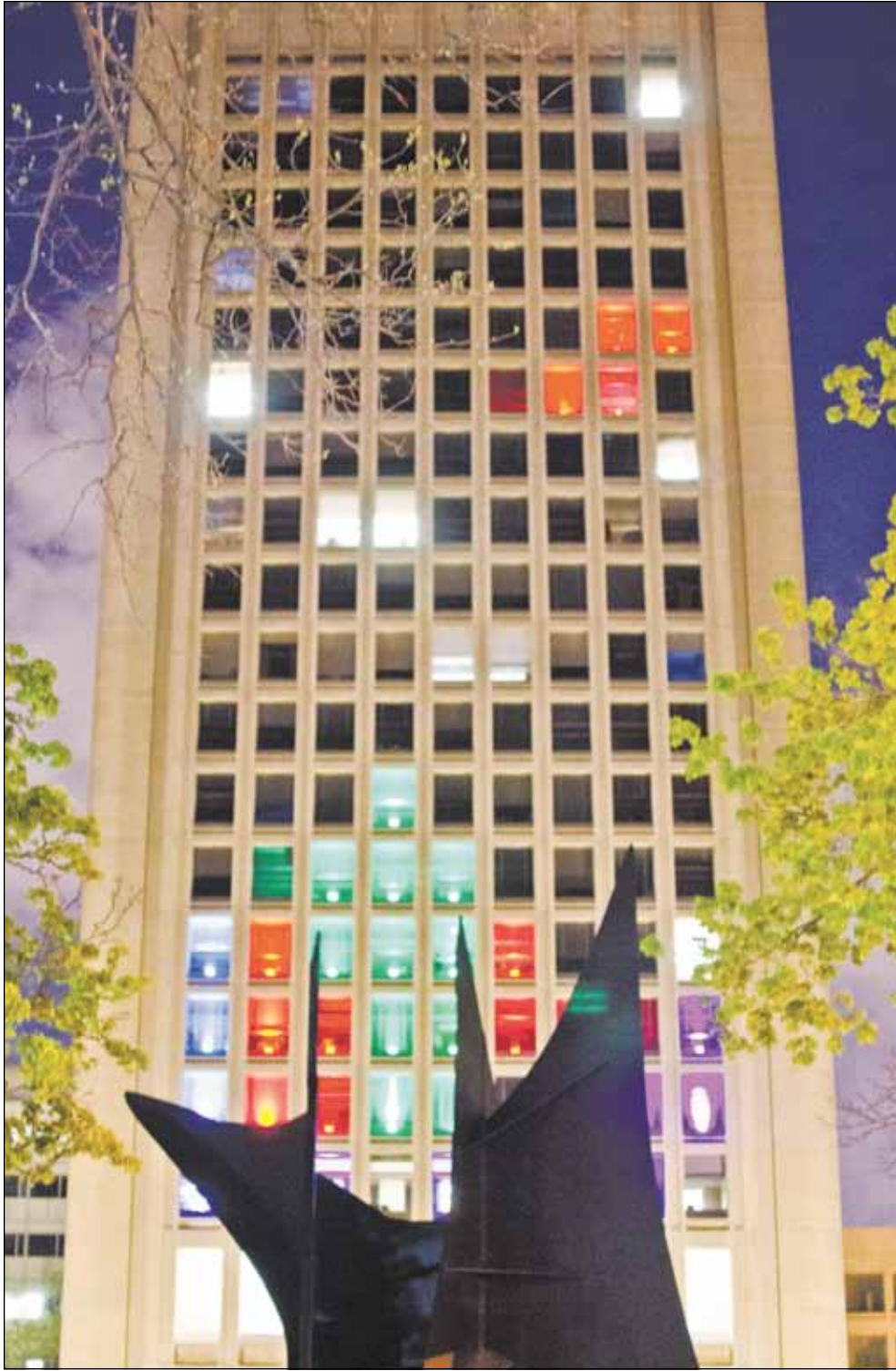
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TIFFANY IRA HUANG—THE TECH

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6	7

**1. On Friday night, hackers turned the Boston side of the Green Building into a giant game of Tetris, with the windows as playable tiles.** Players gathered around a control panel at the base of the building, where the game com-

manded the LED displays illuminating the windows. Like in the original, it started with the words "TETRIS" scrolling across the screen before the game began.

**2. Bryan M. Williams of Alexandria, Va., won \$100 to Amazon in the Tech-sponsored CPW Super Smash Bros. Brawl tournament last Friday.** Williams, who played as Falco, says that he has been playing Smash since he was seven years old. "I'm definitely coming here," he said of MIT, "I like the people, I went to a couple classes. It's been cool!"

**3. An operational Newton's cradle composed of personality cores from the video game Portal 2 appeared under the walkway connecting Buildings 56 and 18 on Friday night.** When the nearby button of the walkway was pressed, the sphere at the end would swing, setting the "cores" in motion.

**4. The Tetris game was controlled using two red buttons positioned on a podium below the Green Building.** A sign on the podium said "Danger: Do not play Tetris on Green Bldg."

**5. East Campus hosted an Iron Chef event during CPW.** Three teams of pre-frosh each cooked four or five dishes within one hour and were subsequently judged by a panel of critics. The event was held in Fifth East's kitchen last Thursday.

**6. The winning dish was chicken tenders wrapped in bacon, coated in a potato chip breading, pan fried, and served on a bed of crispy Brussels sprouts.** It was cooked by "Team Overcoat" and chosen as the winning dish based on creativity and depth of flavor.

**7. Butterscotch pie with an Oreo crust, topped with chocolate syrup, chocolate chips, chopped nuts, coconut, and strawberries.** This dish was entered in the East Campus Iron Chef event during CPW.

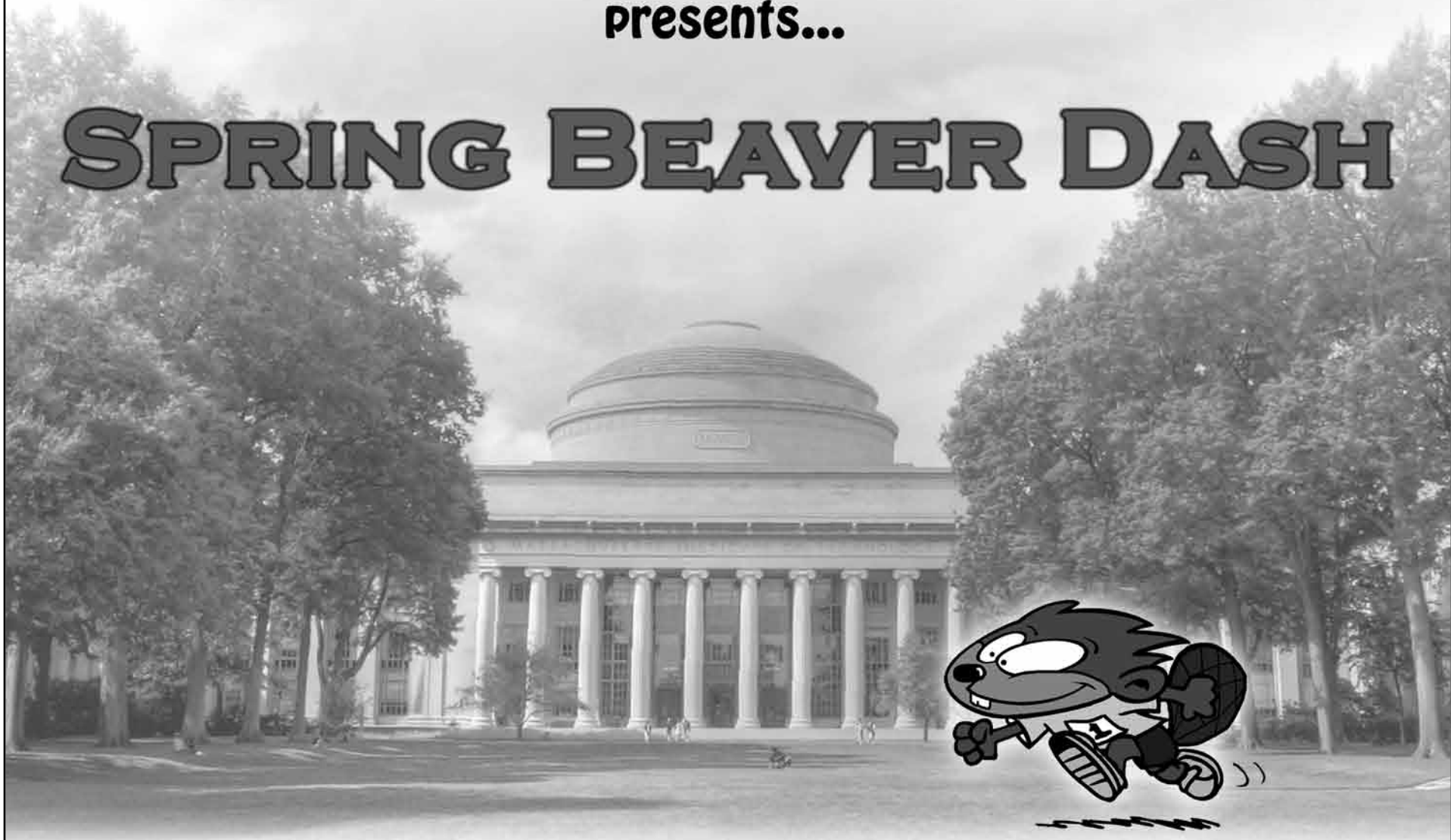


TIFFANY IRA HUANG—THE TECH

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**presents...**

# SPRING BEAVER DASH



**SATURDAY, APRIL 28TH**

ALL EVENTS START AT Z-CENTER/KRESGE LAWN

INDIVIDUAL OPEN 5K RACE

REGISTRATION & LINEUP AT 9:00 AM  
RACE STARTS AT 9:30 AM

TEAM RELAY RACE (5 PER TEAM)

REGISTRATION & LINEUP AT 10:00 AM  
RACE STARTS AT 10:30 AM

REGISTRATION

VISIT [BEAVERDASH.MIT.EDU](http://BEAVERDASH.MIT.EDU) TO REGISTER

REGISTRATION IS FREE. A DONATION OF \$15 FOR THE INDIVIDUAL RACE  
AND \$10 PER RUNNER IN THE RELAY RACE IS SUGGESTED.



# Students learn about Turkey

*Eight sophomores taken abroad as MIT-SU scholars*

MIT-Turkey, from Page 1

'14, who was selected as an MIT-SU Scholar for her performance in 8.02. "President Berker was an amazing host and took such great care of us, and all the students were friendly and willing to spend time out of their schedule to make us feel at home."

Both Berker and Hastings accompanied us for the majority of our visits to the cultural sites of Istanbul.

"Istanbul was the capital of two empires, and it was very interesting to see all the historical and cultural artifacts," said Hastings.

"The most interesting thing I saw was the Spice Bazaar with dozens of kinds of Turkish delights. I didn't even know some of those flavors could be made, let alone cut and eaten in a sweet desert," said Daniel A. Mokhtari '14, an MIT-SU Scholar chosen for his performance in 5.12 (Organic Chemistry I).

Amid our excursions in the city, we also witnessed a protest about the Kurdish people in Turkey. Arin Can Ülkü, one of our "buddies" and a current MIT-SU Scholar who came to MIT for the week immediately following our visit, said the Kurds' cultural identities were suppressed by Turkish political authorities, which

caused them to form a terrorist organization in the early 1980s.

"Now, Turkey is making very good progress in terms of cultural freedom, but it's very hard to recover the traces of 80 years of hatred and greed," said Ülkü.

In addition to seeing sights in Istanbul, we also learned about the higher education system in Turkey. For instance, we learned that there is a university entrance exam comprised of all multiple-choice questions that about 1.8 million high school students in Turkey take annually, which is the sole determining factor that allows students to get into colleges and obtain merit-based financial aid. There is also hardly any need-based financial aid in Turkish universities.

"Personally, I think it must be pretty stressful to have your entire future depend on one exam that you take on one day of your life. But I also think the [Turkish] system is much more transparent and not as gray as the American system, which seems very subjective and mysterious sometimes," said Saha.

"Overall, I think the Turkish education system does a great job preparing students to travel outside of Turkey by teaching English and a

mix of Islamic and European cultural traditions," said Mokhtari.

Ülkü said the SU is a unique university in Turkey because it allows students to choose their major after they start studying. For other Turkish universities, one has to retake the college entrance exam again in order to change majors.

"I intended to study industrial engineering in my first year, then I changed my mind; so I took advantage of that system in SU," said Ülkü, who is currently a electrical engineering major.

We also sat in on approximately 15 hours of classes at SU. In comparison to MIT, SU currently only has 2,713 undergraduate students, and its class sizes are typically much smaller.

"The most memorable class for me was 'Culture and Cognition,' a sociology class taught by a professor who did her PhD in the U.S.," said Fangdi Sun '14, whose marks in 7.013 (Introductory Biology) earned her a spot in the program, "The small class size fostered a conversational atmosphere with the professor, allowing us to raise examples from our own backgrounds and integrate these with the students' knowledge of Turkish culture."

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SMBC, from Page 10



### Solution to Crossword

from page 9

O	I	L	R	I	G	S		P	E	S	T	O		
P	L	A	Y	T	A	P	S		M	O	D	E	R	N
T	O	B	E	S	U	R	E		U	N	T	R	U	E
I	V	E	S		Z	I	G	G	E	D		P	D	A
C	E	L		B	Y	T	U	R	N	S		E	E	C
S	L	E	E	T		Z	E	U	S		G	N	A	T
A	D	Z	E	S		D	E	T	R	I	T	U	S	
						I	A	M	B		L	E	A	R
J	O	A	N		M	I	R	O		R	I	T	E	S
A	X	L	E		D	O	R	P		S	H	R	U	G
K	O	I		A	G	O	N	I	Z	E		M	M	L
A	N	E		F	E	M	A	L	E		P	I	A	O
R	I	N	G	I	N		T	I	N	P	A	N	T	S
T	A	T	E	R	S		E	N	D	O	W	E	R	S
A	N	O	D	E			G	A	I	N	S	A	Y	

### Solution to Sudoku

from page 9

1	5	3	9	6	8	7	2	4
7	9	8	2	4	5	3	6	1
2	4	6	1	7	3	9	5	8
5	2	7	8	9	4	1	3	6
4	3	1	7	5	6	8	9	2
6	8	9	3	2	1	4	7	5
9	7	4	5	1	2	6	8	3
8	1	5	6	3	9	2	4	7
3	6	2	4	8	7	5	1	9

### Solution to Techdoku

from page 9

2	1	6	3	4	5
5	4	3	6	1	2
6	5	4	1	2	3
1	6	5	2	3	4
4	3	2	5	6	1
3	2	1	4	5	6

### Elect a Recent Graduate to serve on the MIT Corporation

<http://alum.mit.edu/about/elections/corpballot>

Polls are now open to elect a recent graduate to a five-year term on the MIT Corporation, the Institute's Board of Trustees. **Polls close: May 15, 2012, 5:00 PM (ET)**

**Why Vote?** This annual election gives you an opportunity to ensure that recent graduates have a voice in the governance of MIT. Those who received an MIT undergraduate or graduate degree in 2010 or 2011, and prospective 2012 graduates are eligible to vote in this election.

The Corporation Screening Committee has selected eight (8) candidates to place on this year's ballot.

Tanguy M. Chau  
MBA '11, PhD '10, SM '10



Brittany L. Jones  
'12



Vrajesh Y. Modi  
'11



Hattie Chung  
'11



Allen Lin  
'11, MNG '11



Caroline J. Huang  
'10



Ellen B. McIsaac  
'12



Angelica Weiner  
'09, MCP '10



**Eligible Voters:** Those who received an MIT undergraduate or graduate degree in 2010 or 2011, as well as prospective 2012 graduates may vote this year.

**Please note:** The MIT Alumni Association has sole responsibility for promoting the election to eligible voters. Candidates and eligible voters should NOT campaign on behalf of any candidate. The only sanctioned forms of campaigning are the candidate profiles and posters available to eligible voters on the ballot Web site <http://alum.mit.edu/about/elections/corpballot>

**Contact:** Sarah Hendrick, MIT Alumni Association | Email: [mitcorpballot@mit.edu](mailto:mitcorpballot@mit.edu) | Phone: 617-253-8246

# QUEER / Body / Architecture

PRESENTED BY JD SASSAMAN, MARIEL VILLERE, AND QuBE | APRIL 13-29

Within our lifetimes, the riots at Stonewall and the Harvey Milk White Nights have become canonized and legitimate historical events. In what future will we celebrate the decrepit piers, sites of cruising in the 70s that ultimately developed the social networks now institutionalized by the gay marriage movement? How must we re-read history to accommodate the sexualization of rest-stop bathrooms, suburban malls, city infrastructure, institutions, and even the most domestic of spaces? This exhibit tracks a development of queering as a technique of incremental liberties. In proposing a desiring historical narrative, we prompt a re-reading of recognizable spaces and typologies to expose incongruence, the 'ghosts in the machine.'

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QUEERS IN THE  
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# MIT seeks to invest \$450m at Hanscom in Bedford

## 10-year-plan approved by Pentagon, will allow MIT to tear down outdated facilities

Lincoln Lab, from Page 1

The proposal would allow MIT to tear down outdated facilities on the base to construct a research lab of 250,000 to 300,000 square feet for Lincoln Laboratory.

An estimated 3,200 MIT employees and 500 private contractors who now work at Hanscom — and make up one of the largest tenant groups on the base — would use the new facilities, according to lab officials. Some of the space would be leased out to private firms.

"This consists of constructing new buildings, demolishing obsolete buildings, and installing new support infrastructure on Hanscom Air Force Base," according to a summary of the plan provided to the *Globe*.

"These laboratories are among the most complex," it added, "and are currently distributed among several functionally obsolete and failing buildings spread across Hanscom. This plan will enable [Lincoln Laboratory] to stay on the cutting edge of technological advances critical to the national defense."

Hanscom was established in 1941 and quickly became one of the military's primary development centers for electronics and radar, relying heavily on researchers from Harvard University and MIT.

**An estimated 3,200 MIT employees and 500 private contractors would use the new facilities.**

The Department of Defense established Lincoln Laboratory in 1951 as a federally funded research and development center and authorized MIT to oversee it.

Based in Lexington, the center constructed its first facilities on the

Bedford base in 1952. It also specializes in space communications, lasers, and aerospace technologies.

The Bedford base's growth over the years has played a central role in establishing the high-tech corridor that now thrives along Route 128.

The model for the new project is similar to the effort that MIT undertook in 1988, when the university financed a 10-acre research facility for Lincoln Laboratory on the Hanscom base under a 40-year lease with the government. That facility will be paid off in 2014.

"This model was extremely successful and we are trying to con-

**The Department of Defense established Lincoln Laboratory in 1951 as a federally funded research and development center and authorized MIT to oversee it.**

tinue a good practice," said Sharon.

MIT is evaluating five locations at Hanscom to determine the most suitable location for the new facilities and limit the impact to the environment and the local community, according to Sharon.

The Hanscom expansion plan is the result of a series of evaluations conducted in recent months by the Air Force and a special Pentagon advisory committee that oversees Lincoln Laboratory, government officials said. Last month the proposal was approved by a senior-level panel in the Office of the Secretary of Defense.

The next step is approval by Congress for the Air Force to lease the land to MIT, officials said.

But perhaps the most attractive aspect is that the government will not have to put up money for the project. Budget appropriations, according to the plan summary, "are neither requested nor required."

That is especially welcome news at a time when budget cuts have already led to reductions in

Air Force personnel and contractors at the Air Force's Electronic Systems Center and as officials fear further military downsizing efforts.

Senator Scott P. Brown, a member of the Armed Services Committee, is hoping to get the plan adopted as part of the Pentagon's spending bill by the end of May, according to his office.

"This plan will enable Lincoln Laboratory to stay on the cutting edge of advanced technologies," Brown said in a statement.

The Republican lawmaker, who is seeking the congressional approval along with Democratic Senator John F. Kerry, described the

project as a key step in protecting the Bedford base from additional cuts.

The Air Force is already set to make substantial cuts to finance private contract workers who support the Electronic Systems Center.

**The most attractive aspect is that the government will not have to put up money for the project.**

Under an Air Force restructuring plan to take effect later this year, that separate center will be placed under the authority of another Air Force command in Ohio — a move that will slash several hundred government jobs.

"Updating these critical laboratories will help achieve our national security objectives and reinforce Hanscom's role in our local

economy," Brown said.

Others agreed the project could make the overall Bedford facility less vulnerable to cuts over the long term.

"The military has always benefited from having access to some of the best minds in the country," said Mieke Eoyang, national security director at Third Way, a Washington think tank and a former top aide to Senator Edward M. Kennedy on defense issues. "This pro-

posal is a recognition of that."

Kerry added that entities like MIT will help guarantee continued Pentagon investment in the region.

"The key to maintaining Massachusetts' edge in military technology is leveraging our unique research universities," he said. "Harnessing the synergy with Hanscom will ensure the best talent, technologies, and innovations continue to come from Massachusetts and stay in Massachusetts."

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Marc A. Kastner, Dean

colloquium



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Former President and CEO

Friday, April 27, 2012

3:45 p.m. Community Reception  
Stata Center, Lobby 32-123

4:15 p.m. Colloquium and Q&A  
Stata Center, Room 32-123

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Sherley, from Page 1

Yesterday's three-judge panel was a different panel from the one that decided the earlier question, although it had one member in common, Karen L. Henderson. Henderson did not speak during yesterday's oral argument. In the earlier decision, she dissented from the appeal's court decision and voted in favor of Sherley, calling the government's argument "linguistic jujitsu."

Brown also asked questions

about Congress' intentions. Congress passed the appropriations amendment barring government funding of research that harms embryos using the same language, over and over. Sherley alleges that amendment bars embryonic stem cell research, but the government disagrees.

The appeals court is not expected to rule for several months. Sherley's attorneys have expressed the intention to take the case all the way to the Supreme Court.

—John A. Hawkinson

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# Coop Student Board of Directors Election Update

The following student Coop members are candidates for the Board of Directors for the 2012-2013 academic year.



www.thecoop.com



### MIT Undergraduate Students:

Joshua Dunaway, 2014  
Paige Finklestein, 2014  
Emma Kane, 2015

### MIT Graduate Students:

Ellie Bertani, MBA, Sloan/MPA, HKS, 2013  
Samuel Shaner, PhD, 2015

### Harvard Undergraduate Students:

Cody Dean, 2014  
Hilary Higgins, 2015  
Joshua Zhang, 2014

### Harvard Graduate Students:

Christina Adams, MBA, 2013  
Oliver Hauser, PhD, 2015  
Mathew Morgan, MPP, 2013  
May Lam, MBA, 2013  
Allison Trzop, JD, 2013

Voting Deadline  
is April 26



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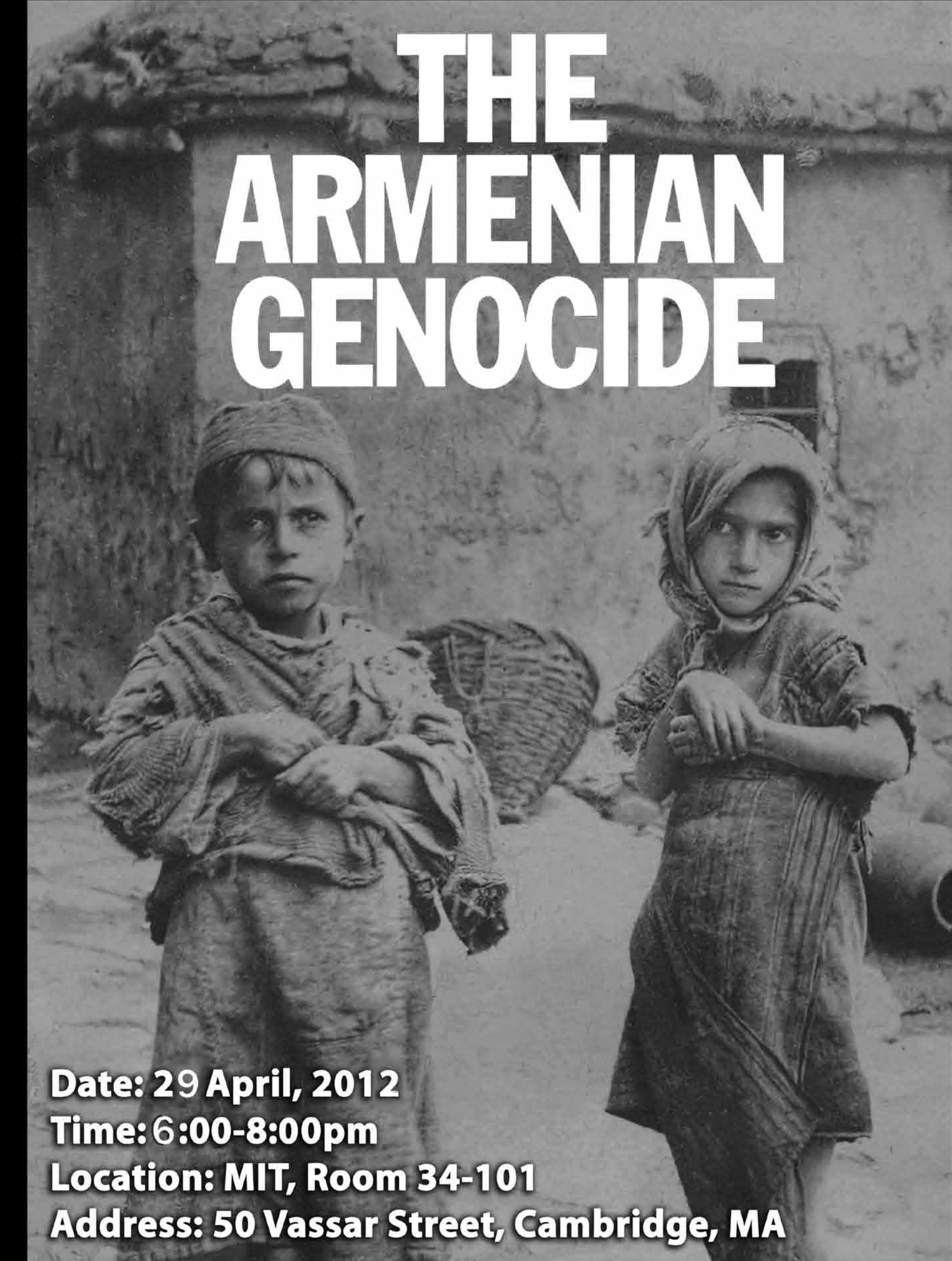
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# THE ARMENIAN GENOCIDE

**Date: 29 April, 2012**

**Time: 6:00-8:00pm**

**Location: MIT, Room 34-101**

**Address: 50 Vassar Street, Cambridge, MA**

The MIT Armenian Society will commemorate the remembrance day of the Armenian Genocide on April 29th with the showcasing of the PBS documentary "The Armenian Genocide" by Emmy award-winning director Andrew Goldberg. The movie tells the story of the colossal humanitarian tragedy that occurred in the early 20th century. It features interviews with experts such as Pulitzer Prize-winning author Samantha Power and New York Times best-selling author Peter Balakian. The MIT Armenian Society would like to welcome all MIT and non-MIT public to join us on this occasion.

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[WWW.MITAS.ORG](http://WWW.MITAS.ORG)

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# Bitrans pay \$4.8m in fraud settlement

## Barred from securities industry

Hedge fund fraud, from Page 1

GMB failed to disclose aspects of losses to investors. When possible financial fraud at Petters Group Worldwide was reported in September 2008, GMB investments were in a “fund that was entirely invested in the Petters Group became illiquid.” GMB did not inform investors that the fraud had affected them.

Most notably, GMB had “suffered significant losses in hedge funds that had invested with Bernard L. Madoff Investment Securities,” an issue which had brought GMB significant media attention in December 2008 when Madoff admitted to the Ponzi scheme.

Nicholas C. Theodorou, Gabriel Bitran’s lawyer, said to the Boston Globe that his client was “pleased to have a settlement with the SEC

and put the matter behind him.” Mark Pearlstein, Marco Bitran’s lawyer, said the same for his client.

In January 2011, GMB Management changed its name to Clear-Stream Investments, which Scott Sunshine, a spokesman for the hedge fund, confirmed was shutting down to the *Boston Globe*.

**In response to an unannounced examination, GMB provided false documents.**

The Bitrans agreed to be “barred from the securities industry, and the GMB entities will be censured,” starting June 19, in addition to the \$4.8 million settlement.

## Do you wish your sport was covered?

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SCHOOL OF HUMANITIES, ARTS & SOCIAL SCIENCES



# Baseball team beats WPI

## MIT at 18-14 overall and 9-10 in NEWMAC

By Phil Hess  
DAPER STAFF

MIT received a strong pitching performance from junior Aric J. Dama in game one and then unleashed a 16-hit attack in game two that resulted in a sweep over WPI in a New England Women's and Men's Athletic Conference baseball doubleheader. MIT improved to 18-14 overall and 9-10 in the NEWMAC while WPI fell to 21-15 and 9-9 after the final conference games of the season.

Dama picked up his third win of the season for MIT in the opener, going all the way in the seven-inning contest. He allowed just four hits and one earned run while striking out seven without issuing a walk. Sophomore Eric Johnson also went all the way for WPI, giving up eight hits and three earned runs over his six innings on the hill.

MIT opened the game with a run in the bottom of the first when senior Torre M. Swanson led the game off with a single, eventually making his way to third with two down. Ricardo J. Perez '13 then brought him in with a single. Kyle J. Parent '15 made it 2-0 in the second with a home run to left.

MIT got the run back in the bottom of the inning when Swanson led off again with a single, moved to second on a sacrifice, and then stole third. Creed J. Mangrum '15 legged out an infield hit that was not

able to score Swanson, and proceeded to steal second, beating the throw to the bag. The throw down was high and got away, allowing Swanson to trot home to put MIT back up by two.

WPI got back to within one in the fourth when senior Mitch McClune was hit by a pitch and eventually came around to score on a wild pitch. MIT answered with a run in the fifth when Karl M. Sorensen '15 led off with a single and eventually reached third on a sacrifice and a ground out, coming home on a WPI fielding error. Dama then finished the game off by retiring the last six hitters he faced.

**Karl M. Sorensen '15 led off with a single and eventually reached third on a sacrifice and a ground out, coming home on a WPI fielding error.**

MIT scored in the first inning of game two as well, getting back-to-back doubles from Sean P. Karson '14 and Bryan A. Macomber '12. MIT scored three more times in the third to go up 4-0, getting RBI singles from Karson and Mangrum, with another run scoring on a wild pitch.

Senior Kyle Bartosik got

WPI back in the game with a two-run single in the fourth. In the fifth, WPI tied it up, getting another two-out, two-run base hit, this time off the bat of David Trujillo to make it 4-4.

In the bottom half of the inning, MIT broke the game open with five runs as it batted around. Mangrum and Perez started the inning off with a single and a double before Macomber was hit by a pitch to load the bases. That brought sophomore Sam Miraglia out of the WPI bullpen to face freshman Hayden K. Cornwell. He hit into a force play to bring home one run, with James R. McKinney '13 and Adam J. Hansborough '12 following with run-scoring singles that made it 7-4. Swanson then finished off the scoring with a two-out, two-run double down the left field line.

Brandon M. Lowe '14 came out of the bullpen to get the final out of the fifth inning and wound up picking up his third victory of the season. Henry Zhu '13 blanked WPI over the final four innings, allowing three hits while striking out four.

Senior Christopher M. Hendrix started for MIT and went 4.2 innings, allowing nine hits and four runs while striking out four and walking three. Freshman Andrew Portera was the starter and loser for WPI, allowing nine hits and seven runs over four innings, striking out one.

MIT will host Fisher College on Wednesday at 4 p.m. in its next contest. WPI will play Nichols College at 3:30 p.m. on Wednesday in a game that will be played at Holy Cross.

## UPCOMING HOME EVENTS

Wednesday, April 25

Baseball vs. Fisher College

4:00 p.m., Briggs Field

Thursday, April 26

Sailing vs. Midweek Tech Invite 2

3:00 p.m., Charles River

Softball vs. Salve Regina University

3:00 p.m., Briggs Field

Baseball vs. UMass Boston

4:00 p.m., Briggs Field

Softball vs. Salve Regina University

5:00 p.m., Briggs Field

# Men's tennis NEWMAC performance is perfect

## 8-1 victory over Wheaton; 7th straight win

By Phil Hess  
DAPER STAFF

MIT Men's Tennis stayed perfect in New England Women's and Men's Athletic Conference play this afternoon with an 8-1 victory over Wheaton College. The No. 28 Engineers won their seventh straight

match and improved to 12-3 overall and 4-0 in the NEWMAC. Wheaton fell to 6-6 overall and 0-5 in the conference.

MIT quickly went up 3-0 with a sweep of the doubles matches as the Engineers surrendered just a total of two games in the three matches combined. The Engineers saw their No. 1 team of Matthew T. Skalak '13 and Edwin M. Zhang '14 win 8-1, as did their No. 2 team of Larry Pang '13 and Eugene S. Oh '15. At No. 3, it was an 8-0 decision in favor of juniors Brian K. Oldfield and Tymor C. Hamamsy.

In the singles portion of the match, MIT took all five of its wins in straight sets to quickly decide the outcome. Zhang won at No. 1 in a 6-2, 6-0 decision over Wheaton senior Oliver, with sophomore Curtis L. Wu winning by the same score over Wheaton sopho-

more Ned Terrace at No. 3. Skalak defeated another sophomore by a 6-3, 6-1 score, while senior Robert W. Wheeler won his No. 5 contest in a 6-1, 6-3 decision. Freshman Jeffrey M. Sperling completed the MIT scoring at No. 6, where he prevailed over Wheaton freshman Brendon Pickering, 6-0, 6-2.

**In the singles portion of the match, MIT took all five of its wins in straight sets to quickly decide the outcome.**

Wheaton scored its point of the match in singles play when one of their sophomores came from a set down in his No. 2 match with Oldfield to take a 2-6, 6-4, 10-8 victory.

MIT will meet the U.S. Coast Guard Academy in a battle of NEWMAC undefeated teams that will decide the No. 1 seed in the NEWMAC Tournament on April 23 at 3:30 p.m. in New London, Conn. Wheaton will host Colby-Sawyer College tomorrow at noon in its final match of the regular season.

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