Lone ticket participates in UA debate
Miramonti and Lai, sophomores, lay out plan for next year

By Robert McQueen

This year, the Undergraduate Association (UA) debate was anything but a debate. With only one ticket participating in the UA Presidential Debate, held Sunday evening on the first floor of the Stratton Student Center, Miramonti and Lai are the only ticket running in the election.

Miramonti '13 and Alec C. Lai '13 are seen in this screen capture from the UA Presidential Debate, held Sunday evening on the first floor of the Stratton Student Center. Miramonti and Lai are the only ticket running in the election.

Replete with graying beard and Canadian accent, Saskatchewan native and newly appointed Chancellor W. Eric L. Grimson PhD '80 met with the UA Senate for the first time Monday evening. Echoing concerns raised two weeks ago when the Senate met with MIT Corporation Chairman John S. Reed '81, students grilled the new chancellor on student engagement, culture, and communication.

Noting that most students have only a vague idea of what role the chancellor fills, Grimson stated his job simply: “All things student.”

“First priority is to listen,” said Grimson, adding that he would talk to student life.

“Secondly, Grimson plans on improving channels of communication between students and the UA itself. Of the running pair, Miramonti handled the response to most questions asked by the panel of Tech editors.

Questions initially focused on the state of the UA. In the past two months, the UA has seen multiple resignations. Suan L. Tsang '14 resigned as Senator for New House, William F. Studdman '12 resigned as Senator for Senior House, Cynthia A. Beazley '11 resigned from the UA FinBoard, and Ellen B. McIsaac '12 resigned as UA Treasurer.

When asked about the resignations, Miramonti answered, "If we have a more efficient body, a body that gets a lot more done, people will be less likely to leave!"

Also, according to Lai, the UA Senate and Executive branches have been in conflict on some issues in the past year. Lai said that as UA VP, he will work more on internal issues, including conflicts like these. "It’s the two things, UA Debate, Page 8

Clubs fly and unicycles whirl at Juggle Mania

By Ethan A. Solomon

Napolitano delivers Compton Lecture

Secretary of Homeland Security Janet Napolitano presents Monday’s Karl Taylor Compton Lecture. Napolitano, the first woman in the Compton Lecture Series, has included Nobel Prize winners Linus Pauling, and Senator Ted Kennedy.

Subsequent to the MIT’s treatment of Manning, who was held in solitary confinement at the Marine Corps base in Quantico, Va., since July, recent reports have indicated Manning is forced to strip naked every night and wear a special smock designed to prevent him from committing suicide, a practice Manning’s lawyer has called degrading.

Crowley’s remarks first came under the national spotlight when President Barack Obama was asked about the remarks during a press conference Friday. Obama neither condemned nor condoned Crowley’s remarks, but he stated that military officials have said the treatment of Manning was appropriate and within basic standards.

State Department spokesman resigns after remarks at MIT

State Department spokesman Philip J. Crowley resigned Sunday amid controversy over remarks he made last week at MIT about the treatment of Army Pfc. Bradley E. Manning. At a talk on Thursday, he called the U.S. military’s treatment of Manning, who is suspected of providing classified information to WikiLeaks, “ridiculous, counter-productive, and stupid.”

Grimson, Page 8
Pakistan defers ruling on murder by CIA operative

LAHORE, Pakistan — The Pakistani government on Monday further postponed the resolution of the question of whether a CIA operative being investigated for a double murder in the country is entitled to diplomatic immunity.

At a hearing at Punjab High Court here, the government said it would not rule on the matter until April because its officials were busy with the case of Raymond A. Davis, who is accused of murder.

The court ruled that the issue could be decided by the trial court in the case of Davis, who was killed by a Force Investigation Agency (FIA) officer in January. He did so in self-defense, and the United States has said he is a diplomat and entitled to immunity.

The court also decided that it was not aware of the alleged request by the United States to defer the trial of Davis in the Punjab High Court, which may begin Wednesday, and that it was not aware of the alleged communication from the United States that Davis is entitled to immunity.

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Saudi Arabia has been watching uneasily as Bahrain’s Shia majority has staged weeks of protests against a Sunni monarchy, fearing that if the protesters prevailed, Iran — Saudi Arabia’s bitter regional rival — could expand its influence and inspire unrest elsewhere.

The decision to send in troops could further inflame the conflict and transform this teardrop of a nation in the Persian Gulf into the Middle East’s next proxy battlefield.

By Michael Slackman and Ethan Bronner

Americans watching the events in the Gulf with interest were also concerned about the potential for a broader conflict, with tensions rising between regional and global powers. The region’s delicate balance of power could be shifted by the actions of different countries, raising questions about the stability of the area and the impact on global security.

The troops entered Bahrain at an especially combustible moment in the standoff between protesters and the monarchy. In recent days protesters have begun to move from the encampment in Pearl Square, the symbolic center of the nation, to the actual seat of power and influence, the Royal Court and the financial district. As the troops moved in, protesters controlled the main highway and said they were determined not to leave.

“We don’t know what is going to happen,” Jassim Hussein Ali, a member of the opposition Wefaq party and a former member of Parliament, said in a phone interview. “Bahrain is headed toward major problems, anarchy. This is an occupation, and this is not welcome.”

Bassem Nufli, an academic and Iran expert based in Virginia, said, “Now that the Saudis have gone in, they may spur a similar reaction from Iran, and Bahrain becomes a battle-ground between Saudi and Iran. This may prolong the conflict rather than put an end to it, and make it an international event rather than a local uprising.”

An adviser to the U.S. government, who spoke on the condition of anonymity because he was not authorized to talk to the media, agreed. “Iran’s preference was not to get engaged because the flow of events was in their direction,” he said. “If the Saudi intervention changes the calculus, they will be more aggressive.”

Although Bahrain said it had invited the force, the Saudi presence highlights the degree to which the kingdom has become concerned over Iran’s growing regional influence and demonstrates that the Sunni monarchy has drawn the line at backing down.

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The Undergraduate Association has had a rough year. Issues of dinning, recreation, and exhaust were hit within a short span of time and tend to impact the ability of UA leaders to balance their dual roles as students and elected representatives. More recently, the UA has been hit by numerous resignations, including two senators who resigned during a six-hour senate meeting two weeks ago. As a whole, the UA is younger and less experienced than it has been in recent memory.

Alain E. Miramonti ’13 and Alex C. Lai ’13 — the only ticket running this year — are a product of that organization. Miramonti, this year’s president, is the current senator from Random Hall and chairs the UA Printing Committee. Lai, the vice presidential running mate, is the UA secretary general and president of Next House. Both are UA “insiders” — to whatever extent they can be as sophomores. Lai, in particular, has shown great dedication to the association by producing the UA newsletter — part of the UA’s broad focus on increasing transparency.

The Republicans are finally turning around and working hard to bring about meaningful change on Capitol Hill. The Democrats were weak by comparison, and the Republicans have now been pushed to use their majority to implement the “Green the Capitol” initiative. I see why the GOP members want to scrape every penny from government spending. But in his office, he glances at the clock as the minute arms inch toward ten. Once lunch hour strikes, he drags himself to the counter to retrieve a wimpy lunch tray and soggy utensils. His mood this year is striking.

As a candidate, Miramonti and Lai lack the vision, support, and charisma this year’s UA needs at this weakened position. The UA faces a leadership gap this year. We attempted to do this the same year by holding a debate and interviewing the hoot ticket. But if the low turnout is indicative of this year’s end debate’s any indication, even more of the student body is apathetic about the future of student government. The debate ends itself in a similar position as the student body. Miramonti and Lai have no fatal contrast to years past, where members of our board found themselves arguing for the good a specific candidate could do for the UA and the student body. Last year’s UA was reserved. We reached consensus early on the need for practical, non-sensical ideas, but they have not proven themselves to be on the same level as many past candidates.

Regardless of what we say, however, as the only legitimate candidates running this year, Miramonti and Lai will be the next UA president and vice president. They will need to work hard in the months ahead to get up to speed and able to effect change during their term. A year is a short amount of time, and most candidates do not have many months to spend simply learning, and so they need to set concrete goals for the student body to hold them to. We urge the candidates to quickly establish relationships with former UA presidents and use this network frequently for advice. We also ask Miramonti and Lai to work their cut out for them. In a few month’s we’ll have to ask ourselves: were these the best candidates for the job, or did they simply fill a vacancy in the student body?

Some may argue that The Tech is the place to lose, but also that it is now because failing to do so will leave them handicapped in their dealings with the UA and the House. However, margin of victory will be determined by the natural selection of the UA; some candidates will be determined by their own abilities.

Lunch with the Republicans

The Republicans are finally turning around and working hard to bring about meaningful change on Capitol Hill.

By Andy Liang

With the GOP recently dropping the budget knife on Planned Parenthood, I have lost hope. My faith in the GOP to bring about substantial change has been crushed. Boehner gets a new skin tone of Boehner’s face. I was ready to buy back the Grand Of Party Pooper.

But after reading about the work conditions at the cafeteria in Capitol Hill has had a heart of change. I see why the GOP members are so dedicated to this. We need to do is to scrape every penny from government spending.

So then-Speaker Nancy Pelosi implemented the “Green the Capitol” initiative in 2007. The cafeteria in Capitol Hill now has a new skin tone of Boehner’s face. I was ready to buy back the Grand Of Party Pooper.

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The media coverage of Fukushima is so rife with errors that I wonder if anyone in the world of journalism has ever taken a physics class.

Unlike most of the world’s nuclear power plants, which are pressurized water reactors (PWRs), Fukushima uses boiling water reactors, which are simpler and cheaper, and use seawater to aid in cooling.

A three-layered protection is the containment system, which is designed to prevent the core from losing heat and pressure. If the reactor vessel is breached, the job of the containment building is to withstand incredible forces and fission products. It also raises the possibility of a partial fuel degradation, if pressure gets too high, vent steam into the atmosphere.

The containment building is to withstand incredible forces and fission products. It is basically just meant to protect workers from the weather as they work around the containment building.

The second concern is justified but invalid; the intervention, a far less costly option. The second concern is justified but invalid; the intervention, a far less costly option.

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The widely-hyped possibility of some Chernobyl-like event is inconceivable without a new disaster.

It has been widely reported that engineers are pumping seawater into the reactor vessel to help the fuel cool. If this is true, the reactor is effectively scrap — pumping seawater into the core would introduce too many contaminants, for the reactor to remain viable. However, I think that the reports are too enthusiastic. I think that there is no significant difference between the containment building and calling the containment building the “reactor containment.” If they have been referring to the building that was designated as the containment building, then we would be getting the heat distribution, which would make the heat and the assumed heat rate from the pump core coolant flow.

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Charity

I'm going to buy this $10 game I want, and I'm donating $10 for malaria eradication.

If you actually cared, you'd stop the game and donate all $20. What's more important? Games, or mosquito nets and medicine for kids?

Later: I think I'm going to buy these two $10 games I want. Cool; which ones?

Advertising

Mathematically Annoying Advertising:

\[ \text{Aug} \times (x \times 15 \times 30) = R \]

When discussing real numbers, it is impossible to get more vague than "up to 15% or more."

If someone has paid $X to have the worst three Vezors for you and N other people to read their expected value for the money that will come from you to them is at least $X \times N + T.

It would be difficult for the phrase "the more you spend the more you save" to be more wrong.

Sudoku
Solution, page 15

Instructions: Fill in the grid so that each column, row, and 3 by 3 grid contains exactly one of each of the digits 1 through 9.

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Unnatural Selection

**by Meisel/Tonn/Wang**

Have you ever considered going on a diet? No.

Calorie restriction has been shown to slow aging in mice. Elmer here is over two hundred in mouse years.

Cheese!

There are still a few bugs to be worked out...

Somewhere on the Search for Meaning...

**by Letitia Li**

Time for my secretary! You probably have better things to do, but you still can’t skip this scene.

I was losing the imposed guilt when the town was attacked. I was supposed to lead the defenders... I was worried about my family...

And then no one knew what to do without you? So your town was destroyed because you didn’t show up for work that day?

She has to be old! The world doesn’t continue to exist without the main character...

Help! Someone is almost to see the 19 color medallions to destroy the world!

Once we return to defeat the wizard, I can...

Crossword Puzzle

Solution, page 15

**ACROSS**

1 Small cluster, as of threads
5 Garbage barge
9 Rifle with tiny shot
14 Ready and willing partner
15 Home of the NCAA’s Bruins
16 Bangor’s state
17 Othello, for one
18 Ogier’s look
19 Relative via marriage
20 Give one’s verdict
23 On the Atlantic, say
24 Pant leg
28 Game-hunting trespasser
32 Lumberjack’s tool
33 Li’l Abner’s home
37 Two-part
38 Create a distraction
42 Coup d’
43 Supply water to artificially, as farmland
44 Singer Garfunkel
45 Degrading
48 Military utensil set
50 Teamsters leader who disappeared in 1975

**DOWN**

1 Florida city on the Gulf Coast
2 WWII German sub
3 Dental thread
4 To the point
5 “Star Trek” crewman
6 Sent a duplicate letter to, briefly
7 Cassius of fashion
8 Firefight feeling
9 Key related to D major
10 Language group that includes Swahili
11 Hodges who managed the Miracle Mets
12 A, in Abuzzi
13 “- and improved!” ad claim
21 Iwo Jima’s country
22 Before, in verse
23 “Star Trek’s” stopping place
24 Temperature meas.
30 Hole in one
31 Tennis great Evert
33 Reason for talking in one’s sleep
34 Freakish
35 Tiny flying bitters
36 Racecar’s stopping place
37 Prefix with structure
38 Create a distraction
39 Part of TGIF: Abbr.
40 Sea eagle
41 Correct
45 Dogs from 21-Down
46 Ballpoint brand
47 Low-carb diet maven
49 Dress bottom

**51** Kalahari refuge
52 Serious grime
53 Didn’t move a muscle
54 Equally poor
56 Four Corners state
57 Mama’s mate

**68** Close angrily
69 Spanish hero El__
70 365 días
71 Org. where you can see the first words of 20-, 38- and 55-Across
UA welcomes new chancellor
Senators ask about engagement, enrollment, culture

Grimson, from Page 1

He rounded out his priorities by noting that education models change with the times, and MIT needs to keep pace. “We have to think about what the next 20 years of education ought to look like,” Grimson said. He explained that “MIT needs to stay at the very forefront of education” by intelligently taking advantage of evolving educational technologies.

Unsurprisingly, senators’ questions also focused on issues of student engagement. Timothy E. Robertson ’10, a senator from East Campus, asked the Chancellor how he felt students would fit into his new concept of functional communication channels. “Is there someday in which I could pick a day of the week and say, ‘I’m going to be in Forbes Cafe’?” Grimson openly mused, “lunch hours — not strictly ‘office hours’ — but that making the idea of open, informal communication with students body, like through newsletters. The Chancellor noted that students would require efforts from both sides. “People on my end of the campus should assume that students have the best interest of the campus at heart,” said Grimson, adding that the converse is also necessary for a trusting relationship.

Among senators, the impending undergraduate enrollment increase from 4285 to 4350 in the fall — and the eventual increase to 4500 — weighed heavily. Students expressed concern that more students might strain already-stretched undergraduate facilities and classes. “We have committed to re-growing the undergraduate class size to 4500,” said Grimson. “There have been a lot of people in various offices looking at the points that are going to feel pressure,” said TEAL, Student Support Services, and athletics, added Grimson.

Still, Grimson also explained that students’ interests and those of the administration will not always align and that compromises will have to be made. “I don’t want you to come away with the thought that [changes are] purely driven by the financ- es,” said Grimson.

Similarly, Grimson said that the reasons behind some administrative decisions may not be immediately apparent to students, but those reasons are important nonetheless. Sometimes, he said, students may have ideas that aren’t practical. “Where I don’t want to go is having students put a ton of effort into something only to have the administration say, ‘We can’t do that,’ for reasons that weren’t apparent to you,” noted Grimson. But he also gave an example of a student idea reaching fruition to students, on a committee he chaired.

Scratching his beard and smiling, Grimson added, “I hope that students can also understand that gray hair comes with a little bit of additional experience.”

UA transparency top priority

The session also touched upon the interaction between the UA and other student governments, including DormCon, Pushed, and the ICC. When asked how the UA fits in with the other student governments, Miramonti noted, “I don’t see the UA as a body that represents dorms or fraternities or sororities or any single group. We are a group that represents all undergraduates.”

Miramonti also said that he hopes for the relationship between the UA and PHLEOs to be “happier.” A question from the audience raised the issue of the dinner referendum, a survey in which students will give their opinion on the new dining plan and their approval of how the dining plan came about. Miramonti said that he voted in favor of hold- ing the referendum — to coincide with the UA elections. “I think this is a good way to get hard data. It allows the UA to form a solid opinion around the issue. I think it’s crucial.”

Both Miramonti and Lai feel confident that they are prepared to take the positions of president and vice president of the UA. For more information on their platform, visit http://www.engagemit.com.

Elections for UA president, vice president, and class council officers begin Wednesday at 3 a.m. To vote, visit http://vote.mit.edu/.

More information
A complete program and registration information are available online. mit150.mit.edu

Registration required; free for MIT faculty, staff, and students.

MIT 150 SYMPOSIUM
Leaders in Science and Engineering: The Women of MIT

Monday and Tuesday
March 28 and 29, 2011
Kresge Auditorium

Leaders in Science and Engineering: The Women of MIT

This symposium will recognize individual and institutional leadership in the success of women in science and engineering. The symposium has two threads. First, progress and current challenges in encouraging gender equity will be discussed. Second, leaders in science and engineering, who are women, will address important and exciting research topics including neurological disease, space and planetary exploration, chemical synthesis, novel materials, microbes in the sea, and gravitational waves. The scientific and policy questions addressed here will be interesting to a broad audience.

A series of six sessions will include:

- Academic Leaders: Perspectives and Current Challenges
- Celebrating Science and Engineering Breakthroughs
- Effective Practices for Recruitment, Mentoring, and Retention
- Shaping Policy in Academia and Across the Nation

More information
A complete program and registration information are available online. mit150.mit.edu

Electro Lab, Page 1

branches would get along more and work together more efficiently, more can be accomplished,” Lai said.

Miramonti added that, if elected, he would take a more external role. “We are going to have to reevaluate some of the trust with the administra- tion and the undergraduates.” And when asked to define the goal of the UA, Miramonti answered, “To advocate for students. Pure and simple.”

Miramonti and Lai did not outline too many specific plans they have going into the leadership of the UA. “We are open to suggestions. I don’t want to call the shots too far ahead, but we’re willing to work on things. We’re willing to do what it takes.”

However, the candidates did note their plan to establish an online UA “Help Desk” to more effectively provide student information to students, and to evaluate how student spaces could more efficiently be used. They also emphasized the need to continue current UA practice of maintaining active communication with the student body, like through newsletters.

Tuesday, March 15, 2011
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MIT’s breakdancing club is anything but immobile

By Deena Wang

The acrobats of the ground, the mix
masters of moves, the poets of percussion,
they are the ones that challenge the laws
of physics. Moving in ways you’d hardly
believe, their bodies twist into contorted
shapes and then pause, fixing the impos-
sible pose for a moment, just to prove that
it can be done. But who are “they”? The break-
ers of Imobilare.

Founded in 1998, Imobilare is a MIT club
dedicated to breakdancing, holding MIT-
only practices in Lobby 13 on Mondays and
Wednesdays and open practices for mem-
bers of the Boston breakdancing communi-
ty on Tuesdays and Thursdays. In the crew
of less than twenty, there are only two women.
Many of the MIT “breakers” had no previous
experience in breakdancing but decided to
join the club because it seemed interesting.

“I actually didn’t [battle my principle
investigator] because I
would feel so awkward
having to battle my 50-year-old
professor.”
—Kavin Surakitbovorn ’14

“Imobilare was one of the reasons I chose to
come to MIT… I feel like if I went to another
school, there’d be so many good people that
already do that stuff so I wouldn’t be able to
join them.”

Breaking moves can be divided into four
elements. Beginners start out with
“toprock,” or standing moves like the In-
to four elements. Beginners start out with

Breaking into dance

MIT’s breakdancing club is anything but immobile

By Manohar Srikanth

The acrobats of the ground, the mix
masters of moves, the poets of percussion,
they are the ones that challenge the laws
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By Maeve Cullinane

Carol Livermore is one of three professors who teach 2.001, Mechanic and Materials I. Her research investigates power micro-electromechanical systems, which are devices that manipulate large amounts of power but in a small package. Her lab also explores the self-assembly of microscale and nanoscale systems. This week I had the opportunity to sit down with her to discuss why she became a mechanical engineering professor after getting a PhD in physics, how to get a job in MechE, and even her favorite MechE joke.

The Tech: What’s the most embarrassing thing that’s ever happened to you?

Carol Livermore: I spent the night at children’s hospital. My kid was having emergency surgery, and I was really serious that I was going to teach the next day. So I did my best to look halfway human and came racing straight from the hospital to campus, and I gave my whole lecture. Then I went to put my coat on and head back to the hospital, and I looked down and I had given the whole lecture with this giant teddy-bear decoration, authorized parent-guardian sticker stuck to the front of my clothes. The funniest thing about it was not so much that it happened, but that no one commented. I felt so embarrassed about it. I mean, everybody wears really interesting things, and if I wanted to get away with it, this was the right place to do it.

The Tech: Did you always know that you wanted to go into mechanical engineering?

CL: When I was sixteen, I figured you had to be a physics professor. So I went abroad, and I got a bachelor’s and a master’s and a PhD in physics. And then I said, what have I done? I want to be an engineer. So I switched.

TT: And what made you decide to make that change?

CL: The value system is different between the two fields. In physics, research is more prized the more fundamental it is. In engineering, the very same piece of research might be prized not just for how fundamental it is, but for how useful it is. So I came to MIT in 1998 for one year as a post-doc and that’s how I was going to turn myself into an engineer. I just forgot to leave and became a professor.

TT: What is it about 2001 that really attracted you?

CL: I think having switched to engineering is actually an advantage, because I can remember what it’s like to not know the stuff. It’s actually not so far back in my history because I learned it after I had my PhD. So it’s partly that and also partly that I like to teach the first class [in course 2] because it’s an opportunity to try to teach students approaches, not just facts, that will be useful as they go along. I think that if you start somebody off with the wrong kind of experience you can do a lot of harm. So I try to introduce the subject the same way that it made sense to me, which is kind of 50% math and 50% the cartoon laws of physics, the mental images of physics that we all have. Also, part of what I like about teaching the first class is that you can teach people that it’s OK to ask for help. It’s good to ask for help.

TT: What do you enjoy the most about being a professor?

CL: I like working with students because you can’t get set in your ways if you have this constant stream of people with all these new ideas and different perspectives. I also enjoy the fact that it’s entrepreneurial. You get to decide on the direction of your research as long as you can convince someone to pay for it. And you have an unprecedented opportunity to mentor people from all over the globe. Not just here on campus, but there’s a lot of travel involved, like conferences.

TT: What’s the coolest place you’ve ever been to?

CL: I think the one I enjoyed the most was probably going to Belgium. The conference was in Louvain, which is a medieval university town. It was just fantastic. The buildings, although a lot of them were rebuilt after World War II, they’ve maintained the same spirit. And it’s full of students, too. It’s not a car-centric place because it wasn’t built for cars. What you see is students riding bicycles over cobblestones in the snow. A lot of the things there are big, but over there they’re tiny. The shops have a lot of character.

TT: What steps would you encourage your students to take if they wanted to get a job as an intern in the field of mechanical engineering?

CL: The most important thing is to network. Informal networking is great, and also don’t ever pass up a career fair or whatsoever, but also networking with professors. There’s plenty of professors who are consulting with industry and so forth and they often have connections that can help too. It’s a matter of finding the person with the right opportunity. If you talk to a lot of people, you find out about a lot of different types of jobs and you make a lot of accidental connections too.

TT: What steps would you talk to a lot of people who are looking for permanent jobs now. And there’s a lot of ways that you can do it. My favorite quote that I’ve heard recently was everybody knows that responding to HR is like putting your resume into a black hole. Everybody knows that, so what’s the alternative? You talk with people.

TT: If you could give any one definitive piece of advice to your students, what would it be?

CL: It’s a great question. But what’s most important is what everybody else says is most important. My advice would be do what you think is most important. Probably the most important section of what’s possible when they’re going to college. I think there can be a certain uniformity in what you hear from your professors because they tend to come from similar backgrounds, but you’re the one who has to make the decision. It’s your decision, so that needs to come first.
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Japanese Association of MIT
The title of yesterday’s speech was “The Future of Science as Public Service.” Describing the diverse challenges faced by her department, Napolitano emphasized her goal of developing challenging and rewarding scientific careers in government capable of attracting scientists as much as academia and the private sector do. She said more scientists are needed to apply knowledge across the government and that government and public policy specialists were likewise needed in the science private sector.

Napolitano said the DHS is responsible for a large amount of data, and it must also balance civil rights and liberties when implementing security measures. She said aviation security must be as non-intrusive as possible, while still effective and fast; technology must be able to easily detect tip-offs that hint at potential danger.

“The challenges we confront constantly change,” Napolitano said, adding that policies must be able to adapt to change. She suggested that greater collaboration between government and science would help lead to such policies.

After the speech, MIT President Susan J. Hockfield presented Napolitano with the Compton Bowl, made by MIT’s Glass Lab.

During the question-and-answer period, Napolitano fielded a question about racial profiling, saying its use in security is illegal, unconstitutional, and ineffective.

—Derek Chang

Works of origami art submitted to the 10th Annual OrigamiMIT Student Origami Competition are now on display in the Weisner Student Art Gallery in W20. Shown here is Tim the Beaver, designed and folded by Michelle Fung ’13. The exhibit runs until the end of April.

MAUM MEDITATION SPECIAL LECTURE 2011

Guest Speaker: Margie Conboy
Director of Boston Maum Meditation Center

TIME AND PLACE
Wednesday, March 16
7:00pm—8:00pm
Room 4—231
maum_officers@mit.edu

ABSTRACT
The purpose of humans is to change from the human mind to the infinite mind of the universe. This lecture will illustrate the difference between the human mind and the Universe Mind, explaining why humans are living in an illusion world within their minds. The speaker will also describe the difference between living in the real world versus living trapped inside the human mind, and most importantly, provide the solution to changing human mind to the infinite mind of the universe.
The Tech sports staff NCAA Div. I predictions

East Region
1 Ohio St.
2 Duke
3 Connecticut
4 Kentucky
5 Xavier
6 Marquette
7 St. John’s
8 Michigan

West Region
1 Ohio St.
2 San Diego St.
3 Purdue
4 Kentucky
5 Wisconsin
6 St. Johns
7 UCLA
8 Oregon St.

Southwest Region
1 Ohio St.
2 UCLA
3 BYU
4 Wisconsin
5 Arizona
6 Cincinnati
7 Texas A&M
8 Butler

Southeast Region
1 Ohio St.
2 Notre Dame
3 Purdue
4 Kentucky
5 Missouri St.
6 George Mason
7 Texas A&M
8 UNLV

National Champion
1 Kansas

Fill in your predictions here

1 Kansas
6 UNLV
3 Purdue
7 Texas A&M
4 Kentucky
6 George Mason
7 Texas A&M
8 UNLV

Think we’re crazy? Come make fun of us in person, Sundays at 5:30 p.m. in W20-483!
By Jere Longman

No. 1 seeds prepare for Indianapolis Final Four

Since the NCAA began spon-
soring women’s basketball in 1982, only once have all four No. 1 seeds reached the Final Four.

If that were to happen again this year, the Final Four in In-
dianapolis would feature highly anticipated and powerful all-
balanced matchups with the defend-

ing champion, Connecticut (32-1), and its archrival, Tennessee (31-2), in one semifinal and Baylor (31-3) against Stanford (29-2) in the other on April 3.

These No. 1 seeds, announced Monday, have won a combined 18 national championships, are coached by the nation’s highest-
profile coaches, and have clearly separated themselves from every other team in the country without being able to dominate one another.

During the regular season, UConn beat Baylor, which beat Tennessee, which beat Stanford, which beat UConn.

“I don’t feel there’s a clear Number 1 this year as there was the past two years,” said Stanford coach Tara VanDerveer, who has won two national titles and whose Cardinal ended UConn’s record-creating 90-game winning streak in December. “But I think there’s been a clearly top four.”

As UConn begins its quest for the championship, the perennial powerfaces an 8-3 6-foot-5 freshman center Stefanie Dolson, who said, “It would be the most im-

portant win of my life.”

“Even before going out to do anything, I was already the most im-

portant win of my life,” said Dolson, who has emerged as a force in the middle, delivering a career-

high 24 points twice in the Big East tournament. If the Huskies make their accustomed run to the Final Four, though, they will probably have to do so with only one reli-

able bench player — guard Lorin Dixon.

Dolson cannot afford to get into foul trouble as she did against Baylor’s 6-8 Brittney Griner in No-

vebrine, when she played only 12 minutes before fouling out. Since then, UConn’s front-line depth has vanished. Forward Saniya Shakir-

er transferred to Kentucky, and the junior reserve center Heather Buck, lacking in confidence even when healthy, missed the Big East tournament with a stress reaction in her left foot.

“Our guys know what to expect come tournament time; that gives you a little confidence,” Auriemma said. “At the same time, you keep your fingers crossed about injuries and foul trouble.”

Coach Pat Summit is seeking her ninth national championship at Tennessee and her first appear-

ance in the Final Four since win-

ning consecutive titles in 2007 and 2008. The Lady Vols, seeded first in the Dayton Regional, are tall, deep, and stocked with more in-
terchangeable parts than perhaps any team.

“I think Tennessee is the deep-
est team,” VanDerveer said. “It isn’t dependent on one person; they can bring people in without dropping off that much.”

The Lady Vols’ towering front line ranges from 6-6 to 6-3. Shek-

inna Stricklen (12.6 points, 7 re-

bounds, 47 assists, 42 steals) is the Southeastern Conference Player of the Year.

Solution to techdoku

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MIT 150 SYMPOSIAS

Conquering Cancer through the Convergence of Science and Engineering

Wednesday, March 16, 2011

Kresge Auditorium

8:30 am — 5 pm

In these highly interactive sessions, expert panelists — to include top biologists, leading clinical experts, technologists, and biomedical engineers — will strive to engage the audience in a robust dialogue about the past, present, and future of cancer research.

Each session will contain brief talks followed by moderated panel
discussions to engage the audience in an exploration of three topics:

What were the defining (and teaching) moments in the first three decades of the War on Cancer?

How is the convergence of biology and engineering changing the cancer research paradigm at MIT?

What clinical results can we expect from the deployment of new approaches to cancer research?

More information

A complete program and registration information are available online.

mit150.mit.edu

organized by the David H. Koch Institute for Integrative Cancer Research Registration required; free for MIT faculty, staff, and students. A small fee will be charged for other participants.

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Solution to Crossword

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![](https://unitedstatesinstituteoftechnology.org/files/regular.jpg)
track goes to nationals
women place third overall; men take 28th

by greg mckeever

the MIT Men’s and Women's Track & Field squads traveled to Capital University for the NCAA Division III Indoor Championship over the weekend and had a number of impressive results. on the strength of five All-America performances, the women's team brought home a third place finish, while the men placed five athletes on the All-America podium en route to a 28th place standing. this was the third consecutive third-place result at Nationals for coach Halston W. Taylor's women's program, as the Engineers were also among the top three at this year's Cross Country Championship and the Outdoor meet in 2010.

Harlan L. Briner '11 got things started on Friday morning in the pentathlon. Briner entered the meet seeded ninth and got off to a strong start with a fourth-place finish in the 55-meter hurdles. after ninth (high jump), tenth (shot put) and fifth-place (long jump) results in the next three events, Briner stood on the outside looking in at All-America honors. She saved her best for last, winning the 800-meter race with a time of 2:12.55. However, the win was not enough to propel her onto the awards stand, and she finished just 27 points out of the All-America level.

Later in the day on Friday, Portia M. Jones '12 positioned herself well for Saturday's finals with a pair of solid preliminary races. Jones qualified with the second-fastest time in the 55 hurdles (8.11) and third overall time in the 400-meter relay. Jones went back to work in a pair of event finals on Saturday. the junior was placed in the second of two final heats of the 55 hurdles. despite winning her heat with a time of 8.11, Jones came in just 0.01 second off the winning overall time — which came in the first heat — to finish in third place. Jones collected the ninth All-America performance for the second time in the weekend with an eighth-place result in 17:12.90.

in both their levels of expertise and their styles.

The program ended with Curran Y. Oi '13, who placed fifth in the World Junior Championships in 2009.
—joanna kao, sports writer