First UTx classes added; Stanford joins work on edX open-source system

Open-source
EdX will release the source code of its entire platform on June 1. The source code will contain four parts, according to an edX press release: its Learning Management System; Studio, a course authoring tool; xBlock, an API for integrating third-party learning objects; and machine-grading APIs.

EdX will work with Stanford and its other partners on the system, integrating key features from Stanford’s existing open-source ClassZBG system. The latter is in "maintenance mode," according to its website, and will not "get much development attention," according to its engineering director Seth Koslow.

Stanford will not be joining the edX consortium, though. “We are not an ‘x’ organization,” according to MIT professor and longtime critic of the edX consortium as “UTx,” offering four classes in the spring: “Ideas of the 20th Century,” “Energy 101,” “Age of Globalization,” and “The Impact of Drug Development,” with five new UT Austin classes added; Stanford will not be joining the edX consortium, though. “We are not an ‘x’ organization,” according to MIT professor and longtime critic of the edX consortium as “UTx,” offering four classes in the spring: “Ideas of the 20th Century,” “Energy 101,” “Age of Globalization,” and “The Impact of Drug Development,” with five new UT Austin classes added; Stanford will not be joining the edX consortium, though.

Rao/Cornish on plans for UA

Rao/Cornish on plans for UA

Establishing mutual support
In their platform, Rao and Cornish said that MIT’s community was filled with subcultures, and the UA should take advantage of the establishment and promotion of individual cultures rather than trying to improve on the real world. “We want to make sure we propose some solutions to problems that already exist, instead of creating new ones,” stated Cornish. While some plans have fallen through, like their platform plan of giving door stoppers to every Massee resident (Massee already has door stoppers given out every year), Rao and Cornish have more on their checklist.

Rao and Cornish also intend to revamp the UA newsletter and express interest in getting ideas from people who aren’t part of the UA. “We want to have a weekly booth for the UA in Lobby 10 or Lobby 7 with just us sitting there receptive to ideas,” said Rao.

Many people on campus don’t realize how much the UA does for the MIT community, said Rao. “If you’re part of any type of club and request a much better job of providing feedback than a machine ever could. There seems to be a lack of appreciation of what is actually going on in the real world.

Four UT Austin classes added

The University of Texas at Austin has joined the edX consortium as “UTx,” offering four classes in the spring: “Ideas of the 20th Century,” “Energy 101,” “Age of Globalization,” and “The Impact of Drug Development,” with five new UT Austin classes added; Stanford will not be joining the edX consortium, though. “We are not an ‘x’ organization,” according to MIT professor and longtime critic of the edX consortium as “UTx,” offering four classes in the spring: “Ideas of the 20th Century,” “Energy 101,” “Age of Globalization,” and “The Impact of Drug Development,” with five new UT Austin classes added; Stanford will not be joining the edX consortium, though.

This year’s winning ticket of the Undergraduate Association (UGA) President/vice President election is Sidhanth “Sid” P. Rao ’14/Devlin T. Cornish ’14, who ran unopposed as the other ticket and was elected when his vice-presidential candidate withdrew. As Rao and Cornish prepare to take office, they have decided to create a plan to implement changes in both the UA and the MIT community, all under the paradigm of their campaign slogan: “A vision with a checklist.”

From their campaign, Rao and Cornish have three broad goals: establishing mutual support between the UA and the MIT community; addressing student space issues, revamping Athena clusters, and adding Safelite stops; and understanding how developments in online education will affect MIT students’ education. Rao says that each and every policy implemented by the UA should work to promote either the success or happiness of the student body.

By Tushar Kamath

This year’s winning ticket of the Undergraduate Association (UGA) President/vice President election is Sidhanth “Sid” P. Rao ’14/Devlin T. Cornish ’14, who ran unopposed as the other ticket and was elected when his vice-presidential candidate withdrew. As Rao and Cornish prepare to take office, they have decided to create a plan to implement changes in both the UA and the MIT community, all under the paradigm of their campaign slogan: “A vision with a checklist.”

From their campaign, Rao and Cornish have three broad goals: establishing mutual support between the UA and the MIT community; addressing student space issues, revamping Athena clusters, and adding Safelite stops; and understanding how developments in online education will affect MIT students’ education. Rao says that each and every policy implemented by the UA should work to promote either the success or happiness of the student body.

By Tushar Kamath

Rao/Cornish on plans for UA

Establishing mutual support
In their platform, Rao and Cornish said that MIT’s community was filled with subcultures, and the UA should take advantage of the establishment and promotion of individual cultures rather than trying to improve anything. “We want to make sure we propose some solutions to problems that already exist, instead of creating new ones,” stated Cornish. While some plans have fallen through, like their platform plan of giving door stoppers to every Massee resident (Massee already has door stoppers given out every year), Rao and Cornish have more on their checklist.

Rao and Cornish also intend to revamp the UA newsletter and express interest in getting ideas from people who aren’t part of the UA. “We want to have a weekly booth for the UA in Lobby 10 or Lobby 7 with just us sitting there receptive to ideas,” said Rao.

Many people on campus don’t realize how much the UA does for the MIT community, said Rao. “If you’re part of any type of club and request...
North Korea suspends work at shared factory site in border town

By Choe Sang-Hun

North Korea said Monday that it was withdrawing all of its 53,000 workers from the industrial park it runs with South Korea, suggesting that the North was seeking to portray itself as willing to subordinate financial gains to political and military priorities as it increased tensions on the Korean Peninsula.

North Korea “will temporarily suspend the operation of the zone and examine the issue of whether it will allow its existence or close it,” the country’s official Korean Central News Agency quoted a North Korean official as saying after visiting the complex on Monday.

The official, Kim Yong Gon, a secretary of the Central Committee of the North’s ruling Workers’ Party of Korea, said the final decision would depend on the South Korean government’s attitude, making it clear that North Korea was using the project’s future to pressure the South for political concessions.

The complex, in the North Korean town of Kaesong, operated for eight years despite continuing political and military tensions, including the North Korean artillery attack on a South Korean island in 2010 and the cutoff of all other trade ties after the sinking of a South Korean warship in 2010.

South Koreans had hoped that the North’s growing dependence on the complex as an important source of hard currency would provide the South with leverage on the North’s recalcitrant leadership. South Korea thought that it could use this leverage as a possible buffer should there be military conflict.

But the North was angered by the South’s decision to close the complex more than a month ago. The complex was met with skepticism by both sides at the time.

Van Rompuy, the president of the European Council, emphasized that despite problems with the debts and imbalances, “it is clear that North Korea was using the complex on Monday.

By Patrick McGeehan

NEW YORK — The operator of the major airports in the New York metropolitan region has agreed to pay $3.5 million for failing to train airport rescue, fire safety training on the roof of the Port Authority hired a former first the Unite States. "The aviation administration did not point to any specific problems caused by the lack of training at the airports. But it said in the settlement that on most days Jan. 1, 2011, and June 9, 2012, the Port Authority agreement said. In the settlement, the Port Authority gave up its defense that the Port Authority had no intention of talking to the South and the United States. Michael P. Huerta, the F.A.A. administrator, said, "We expect the Port Authority to have trained safety personnel to ensure the safety of the passengers and crew, and we are satisfied with the settlement. Michael P. Huerta, the F.A.A. administrator, said, "We expect the Port Authority to have trained safety personnel to ensure the safety of the passengers and crew, and we are satisfied with the settlement. Michael P. Huerta, the F.A.A. administrator, said, "We expect the Port Authority to have trained safety personnel to ensure the safety of the passengers and crew, and we are satisfied with the settlement.

Situation for noon Eastern time, Tuesday, April 9, 2013

Unsettled weather for the rest of the week

Yesterday’s weather was glorious, with temperatures at the weather station on the roof of the green building reaching 65°F. We also experienced a common Boston, spring and summertime phenomenon for one of the first times this year: a heat wave. Around 4 p.m., the winds shifted from northwest to east. With the wind now coming off the ocean (with sea surface temperatures still in the 40°F’s), the temperature at the green building plummeted by 10°F in a little more than an hour.

We will experience another common springtime weather feature for the rest of the week: unsettled weather. A front is forecast to stall in our area through the rest of the week. As a warm front moves along this front, periods of rain are expected tonight, tomorrow, and Thursday. Temperatures will continue to mild today and tomorrow. Looking ahead to Friday, heavy rain is likely associated with a low pressure system.

Extended Forecast


Tonight: Low 55°F (13°C). Mostly cloudy, showers likely.


By Choe Sang-Hun
THE NEW YORK TIMES

SEOUL, South Korea — The South Korean government warned on Sunday that the North might launch a missile later this week, while a top military leader postponed a scheduled trip to Washington, citing escalating tensions on the peninsula.

The warning by Kim Jang-soo, director of national security for President Park Geun-hye, came three days after the South Korea’s defense minister said that the North had moved to its east coast a missile with a “considerable range” but not capable of reaching the mainland United States.

The missile was widely believed to be the Musudan, which the South Korean military says can travel more than 3,000 kilometers or 1,864 miles. But South Korean media and analysts say the missile can extend its range to 4,000 kilometers, which would put U.S. bases in Guam within its reach.

Kim said that the North Korean authorities had told foreign embassies in Pyongyang to inform them by Wednesday whether they needed assistance in evacuating should they wish to because of rising tensions on the peninsula.

The North gave a similar warning to some of the 123 South Korean factories in the joint industry park in the North Korean city of Kaesong, Kim said.

“We believe this is a calculated move by the North,” Kim said during a meeting of security-related officials on Sunday. The North, he said, “may launch a provocation, such as a missile launch,” around Wednesday, he said.

North Korea was raising tensions in an effort to strengthen and force the U.S. and South Korea to return to dialogue with possible concessions, Kim said. The pressure was also aimed at China and Russia to mediate on North Korea’s behalf.

Also on Sunday, Gen. Jung Seung-jo, chairman of the Joint Chiefs of Staff of the South Korean military, postponed plans to meet with his U.S. counterpart, Gen. Martin E. Dempsey, in Washington on April 30, military officials said. Jung could not be away from South Korea amid the rising tension, the officials said.

Gap in university faculty pay continues to grow, report says

For the academic elite — tenured professors at private research universities — average pay this year is $67,068, while at public research universities such professors earn $123,393, according to the annual report by the American Association of University Professors.

After three years in which overall increases in full-time faculty pay lagged behind the rate of inflation, this year’s average increase, 1.7 percent, kept pace with consumer prices.

But the difficult economic climate is taking a serious toll on higher education, especially public institutions. Average pay for assistant professors at private colleges that award only bachelor’s degrees is $62,763, while public colleges paid $58,591.

And with stretched budgets and public pressure to keep costs down, many colleges and universities are cutting back on tenure and tenure track jobs. According to the report, such positions now make up only 24 percent of the academic workforce, with the bulk of the teaching load shifted to adjuncts, part-timers, graduate students and full-time professors not on the tenure track.


Body on subway tracks goes unnoticed for hours

NEW YORK — She entered the subway system sometime around 1 a.m. on Sunday, dressed in dark clothes and dark boots as if coming from a night on the town. By the afternoon, her lifeless body lay among the snow-darkened track ties and trash under Canal Street.

Had she been hit by a train? Could the severe injuries to her head have been caused by a fall from the platform? How had none of the passengers passing through the downtown side of the station, or any of the train operators, noticed the body?

The police did not classify the death as a homicide, but as that of someone “dead on arrival,” leaving open the question of how she perished.


In Egypt, attacks on Christians

CAIRO — Police officers firing tear gas joined with a rock-throwing crowd fighting a group of Christian mourners Sunday in a battle that escalated into an attack on Egypt’s main Coptic Christian Cathedral that lasted for hours.

It was the third day of an outburst of sectarian violence that is testing the pledges of Egypt’s Islamist president to protect the country’s Christian minority. By nightfall at least one person had died from the day’s clashes, bringing the weekend’s death toll to six.


Wary of events in China, foreign investors take money to Cambodia

By Keith Bradsher
THE NEW YORK TIMES

Tiffany & Co. is quietly building a diamond-polishing factory in Cambodia, a country popularly associated more with killing fields and land mines than buildings.

Some of Japan’s biggest manufacturers are also rushing to set up operations in Phnom Penh to make wiring harnesses for cars and touch screens and vibration motors for cellphones. European companies are not far behind, making dance shoes and microfiber sleeves for sunglasses.

Foreign companies are flocking to Cambodia for a simple reason: They want to limit their overwhelming reliance on factories in China.

Problems are multiplying fast for foreign investors in China. Blue-collar wages have surged, quadrupling in the last decade as a factory construction boom has coincided with waning numbers of young people interested in factory jobs. Starting last year, the labor force has actually begun shrinking because of the “one child” policy and an aging population.

Every couple days, I’m getting calls from manufacturers who want to move their businesses here from China,” said Bradley Gordon, a U.S. lawyer in Phnom Penh.

But multinationals are finding that while they can run from China’s rising wages, they cannot truly hide. The populations, economies and even electricity output of most Southeast Asian countries are smaller than in many Chinese provinces, and sometimes smaller than a single Chinese city. As companies shift south, they quickly use up local labor supplies and push wages up sharply.

If you’re an undergraduate, take the survey for a chance to win one of thirty $5 Toscanini’s gift cards!

do a survey!

contact dining@tech.mit.edu if you have questions or concerns.
By Daniel Day and Annabel Cowell

Promoting open access at the federal level

The public desires to be able to access the research it funds

Since 2008, a similar system has been in place at the NIH, the largest non-de- fense federal research funding agency in the country. Publicly, the NIH’s public-access article repository, currently includes 2.6 million full text articles, and its maintenance costs only $0.01 percent of the NIH’s budget. While we appreciate the role of publishers in the editing process and the potential impacts of open access on their revenue streams, evidence suggests that the selection of high-quality work can still be maintained under open access policies. In fact, the NIH policy only had marginal impacts on the publishing in- dustry because major research institutions and companies are unwilling to endure the embargo period before formal publica- tion and inclusion in an open access data- base. For example, the Economist reported that, in 2013, Elsevier (a large publisher of scientific research) enjoyed a healthy profit margin of 37 percent. In a response to the People the President that reflects growing public support, the Obama Administration has recently issued an executive order to implement open ac- cess to research funded by the largest (in terms of research expenditure) federal agencies. While the President’s support is encouraging, an executive order generally lacks the longevity of federal law. It is there- fore critical to continue our efforts to incor- porate open access policies into the law. Many groups have pushed for adopt- ing this type of policy universally across all federal research grant agencies. MIT’s Graduate Student Council (GSC) as well as a larger umbrella organization of graduate students, the National Association of Grad- uate-Professional Students (NAGPS), have persistently lobbied Congress to adopt such policies. To our knowledge, we are the only student groups advocating for open access in Washington. If you support improving the nation’s access to federally-funded research, then we strongly encourage you not only to con- tact your local and home representatives in Congress, but to join us in discussing how these policies affect you and your commu- nities and how you can contribute to mak- ing open access the law of the land.

OPINION POLICY

Editorials are the official opinion of The Tech. They are written by the Editorial Board, which consists of Chairman Sarah Bates, Co-Editor in Chief Anne Cai, Managing Editor Ian M. Gorodisher, Executive Editor of News Affairs Chien, and Co-Editor-in-Chief Jacob London.

Dissems are the signed opinions of editorial board members choosing to publish their disagreement with the editorial.

Letters to the editor, columns, and editorial cartoons are written by individuals and represent the opinion of the author, not necessarily that of The Tech. Email submissions are encouraged and should be sent to letters@tech.mit.edu. Hard copy submissions should be addressed to Letters Editor, W20-483. They will be published on a space-available basis for the print edition. Submit a copy of all online submissions to TechLetters@tech.mit.edu for the online archive. Submissions must be datetimedated and signed. Letters, columns, and cartoons may also be posted on The Tech’s Web site and/or printed or published in any other format or medium now known or hereafter create by the public, unless the author clearly states otherwise in writing. If you have questions or if your letter is not published, please email TechLetters@tech.mit.edu.

The Tech’s telephone number is (617) 253-2542. Email is the easiest way to reach any member of our staff. If you are unsure who to contact, send mail to generaleditorial@tech.mit.edu. We will be directed to the appropriate person. You can reach the editor in chief by emailing  editor@tech.mit.edu. Please send press releases, requests for coverage, and all information about errors before that call for correction to news@tech.mit.edu. Letters to the editor should be sent to Letters@tech.mit.edu. The Tech can be found on the World Wide Web at http://tech.mit.edu.
**Techdoku**
Solution, page 7

Instructions: Fill in the grid so that each column and row contains exactly one of each of the numbers 1–6. Follow the mathematical operations for each box.

![Techdoku Grid](image)

**Sudoku**
Solution, page 7

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.

![Sudoku Grid](image)
Saturday Stumper by Brad Wilber

Solution, page 10

ACROSSES
1 Drinks favored by Hemingway
8 Music icon knighted in 2003
14 Explanatory tool
15 Literally, “little grapes”
16 Ends, often
18 Comeback
19 Bar designation: Abbr.
20 Rough housing
22 Pinch hitter’s hope
23 Mug
26 Something worn on a hood
28 Fudge alternative
29 Defeat overwhelmingly
30 Jordan’s only seaport
31 Romeo or Juliet
33 Rugrats dad
34 Purchase before going to court
35 Dictionary directive
36 Something worn on a hood
38 Fudge alternative
39 Defeat overwhelmingly
40 ‘97 film with the tagline “Coming soon. Honest.
41 Tribe in the Little House... books
44 Jazz duo in Vancouver
45 Woody Guthrie, notably
46 Blackballed
48 Belgian chanson master
49 Caper film narrator, often
50 Sesame Street shopkeeper
52 Obedience school no-no
54 Carthaginian, e.g.
57 Warning heading
60 Begins to dig
61 Certain farmer
62 Part of a Mountie uniform

DOWN
1 Game-ending word
2 Racking up charges
3 Intricate fabric pattern
4 Character
5 Excations
6 __ delta (Concorde wing shape)
7 Tom Cruise’s birthplace
8 One taking up charges
9 Ancient salutation
10 Word before check or course
11 Mass movement
12 Thing secured with a post
13 Only externally visible part of the central nervous system
17 Sound betraying boredom
21 Cause headaches for
24 Boxer’s destination
26 Any of 26 in 1959-60 prime time
27 Wretchedness
28 Nielsen Ratings data category
29 Nancy Drew sidekick
30 Obedience school no-no
31 High
32 Honor for four presidents
33 Some poker accumulations
34 Good representation
35 Some poker accumulations
36 Dress down
37 Dress down
38 Silicon Forest loc.
40 Dud
41 Showed more patience than
42 Hiding place revealer,

by Jorge Cham

Techdoku II

Solution, page 9

Instructions: Fill in the grid so that each column and row contains exactly one of each of the numbers 1-6. Follow the mathematical operations for each box.
### Legatum Seed Grants

Legatum Seed Grants provide funding to develop and nurture promising businesses in low-income countries across the globe.

**Application Deadline:** April 16, 2013

**Who we fund:**
- MIT undergraduates
- MIT graduates
- Student teams*

* At least one member of the team must be a MIT student. Please see website for details.

---

### Custom Printed & Embroidered T-Shirts

- Great Pricing & Free Delivery
- Traditional Screenprinting
- Full Color Digital Printing
- Embroidery

**ph - 617-625-3335**
**email - info@qrsts.com**
**www.qrsts.com**

Somerville, MA

ORST's Printing - Embroidery and More...

part of R & M (Michigan Art Works)

---

### Royal Bengal

Boston's only authentic Bengali Cuisine restaurant

Open Daily Except Monday
11:30 am – 11:30 pm
Lunch Buffet $7.95
Reasonably Priced Dinners

Free delivery for orders over $10.
Take-out, platters, and catering available.

http://www.royalbengalrestaurant.com/

---

### Roadkill Buffet Presents:

The "Mandatory Class of 2017 Welcome Meeting" Show

Friday, April 12 at 8:00pm in 6-120

This space sponsored by The Tech

---

### Solution to Techdoku

**Solution to Techdoku**

6 | 5 | 1 | 3 | 2 | 4
---|---|---|---|---|---
4 | 3 | 5 | 1 | 6 | 2
3 | 2 | 4 | 6 | 5 | 1
5 | 4 | 6 | 2 | 1 | 3
1 | 6 | 2 | 4 | 3 | 5
2 | 1 | 3 | 5 | 4 | 6

---

### Flawed US reactors

**Ex-regulator says all US nuclear reactors flawed, must be replaced**

By Matthew L. Wald
THE NEW YORK TIMES

WASHINGTON — All 104 nuclear power reactors now in operation in the United States have a safety problem that cannot be fixed and they should be replaced with newer technology, the former chairman of the Nuclear Regulatory Commission said on Monday. Shutting them all down at once is not practical, he said, but he supports phasing them out rather than trying to extend their lives.

The position of the former chair- man, Gregory B. Jaczko, is not un- usual in that various anti-nuclear groups take the same stance. But it is highly unusual for a former head of the nuclear commission to so bluntly criticize an industry whose safety he was previously in charge of ensuring.

Asked why he did not make these points when he was chairman, Jaczko said in an interview after his re- marks, “I didn’t really come to it until recently.”

“I was just thinking about the is- sues more, and watching as the in- dustry and the regulators and the whole nuclear safety community continues to try to figure out how to address these very, very diffi- cult problems,” which were made more evident by the 2011 Fukui- shima nuclear accident in Japan, he said. “Continuing to put Band-Aid on Band-Aid is not going to fix the problem.”

Jaczko said that many U.S. reac- tors that had received permission from the nuclear commission to op- erate for 20 years beyond their initial 40-year licenses probably would not last that long.

He also rejected as unfeasible changes proposed by the commis- sion that would allow reactor owners to apply for a second 20-year extension, meaning that some reactors would run for a total of 80 years.

Jaczko cited a well-known char- acteristic of nuclear reactor fuel to continue to generate copious amounts of heat after a chain reac- tion is shut down. That “delay heat” is what led to the Fukushima melt- downs. The solution, he said, was probably smaller reactors in which the heat could not push the tempera- ture to the fuel’s melting point.

The nuclear industry disagreed with Jaczko’s assessment.

“U.S. nuclear energy facilities are operating safely,” said Marvin S. Fer- tel, president and chief executive of the Nuclear Energy Institute. “That was the case prior to Greg Jaczko’s tenure as Nuclear Regulatory Com- mission chairman. It was the case during his tenure as NRC chairman, an acknowledged by the NRC’s spe- cial Fukushima response task force and evidenced by a multitude of safety and performance indicators.”
Residents pack City Hall for Kendall rezoning
Opponents worried about housing squeeze, ‘pricing out’ low- to middle-income residents

Kendall, from Page 1

said was intended to be a deal “closer.” Reif’s remarks were accompanied by letters of support from the deans of MIT’s five schools. Last night, opponents of the petition called these measures ‘bribes’ and ‘eggs in the councillors’ baskets.’ They also took the opportunity to revisit long-standing points of contention such as graduate housing, noise levels, affordability, and economic diversity.

Fred P. Salvucci ’61 — MIT Civil Engineering lecturer and former Massachusetts secretary of transportation — struck a chord with many of the audience when he raised concerns that the developments MIT has in mind will exacerbate Cambridge’s housing squeeze, attracting technologists and business executives and leaving no room for lower- or even middle-income residents, who would be “priced out” of high-end restaurants and apartments. “This is about gentrification,” he said. In time, “nobody who voted for you will still be living in this neighborhood,” he told the city councillors to applause from the audience.

Of the more than 300 units of housing at Innovation Landing, MIT has committed to keeping 18 percent priced at an affordable rate for low-income households. The petition also includes other requirements for moderate-income housing and “innovation housing” that the city hopes will be ideally sized and priced for startup hires and graduate students.

Brian L. Spatocco G, president of the Graduate Student Council, announced a resolution of the GSC supporting the petition under the condition that interests of graduate students are taken into account.

“Yes, in my backyard,” said one resident of the types of developments MIT hopes to bring to Kendall Square. Another looked forward to new amenities in the area.

The rezoning allows for up to 980,000 new square feet of commercial development and at least 240,000 new square feet of residential development, in addition to the 800,000 square feet currently permitted for academic (including dormitory) uses. In some regions, the rezoning permits buildings as high as 300 feet, taller than the Green Building.

MIT plans to replace seven parking lots with new mixed-use development. Though the city has passed the rezoning proposal, each new building will still have to go through design and approval processes.

China and Japan in the East China Sea

Friday, April 12, 2013
4:30p - 6:30p
Bartos Theater | Bldg E15-070
20 Ames St, Cambridge

Speakers include:
Taylor Fravel (MIT), Yukio Okamoto (Visiting Fellow, MIT), Charles Glaser (GWU), Mike Mochizuki (GWU), Liu Weimin (Chinese Embassy, Washington, D.C.)

Moderated by Richard Samuels (MIT)

Co-sponsored by CIS and the MIT Security Studies Program
Texas growers eye immigration laws

Labor-strapped growers eye reform

By Lynn Brezosky

Dimmit County onion grower Bruce Frasier spends the pre-dawn hours drawing up spreadsheets balancing the day’s inventories of young plants with orders from big-box retailers, commercial farms and direct-mail buyers across the country. The variable is always labor.

“I never know how many will show up,” he said, surveying the long lines of sprouts ready for transplant Friday. Not surprisingly, Frasier is an outspoken proponent of a new agricultural guest worker program, said to be one of the key pieces, if not sticking points, of comprehensive immigration reform being hammered out behind closed doors in Congress.

He says his own operation is proof that there are farmworkers who want to come to the United States, work and go back home. Despite his workforce concerns, Frasier considers himself one of the lucky ones. Since he lives only an hour from the border, he can count on vans bringing workers from near Piedras Negras, Mexico. The most adept at pulling, banding and cutting the plants will make about $80 per day and be returning by midday to homes in Mexico. He says he checks to see whether they can work legally in the U.S. But there’s no certainty about how many will show up, and there’s a shortage of workers on the U.S. side.

The oil and gas drilling boom in the Eagle Ford Shale, credited with creating more than 116,000 jobs in the Eagle Ford Shale, is exacerbating the labor problems. Field hands are leaving to take higher-paying jobs with energy companies, making it harder than ever for farmers in the area to find workers at harvest time.

Frasier’s American workers — who can earn as much as $26 an hour — are aging, and their children aren’t interested in farm work. “In the end, my crop won’t wait,” he wrote in a recent newspaper opinion piece. “If I can’t find enough willing and able U.S. workers, I need a fast, legal, reliable way to hire foreign farmhands.”

Frasier said he would bring on workers who aren’t citizens or green-card holders, but that would mean tapping the H-2A visa program, a temporary work program that allows farmers to bring in foreign labor. To use it, farmers need to petition the State Department and show that there aren’t enough U.S. or legal immigrant workers to get the job done and that U.S. workers’ wages won’t be hurt.

In Frasier’s opinion, the program is cumbersome and counterproductive. “We can’t do H-2A because in H-2A you’re supposed to offer the American workers first,” he said. “If that means my H-2A workers would be sitting there waiting to see how many of these people showed up, and then I couldn’t put them to work. And if they didn’t go to work, I would have to pay them anyway.”

The program also ties workers to specific employers, rather than letting workers follow the crops. In practice, the program has been limited to large growers with staff lawyers or outside agents to handle the paperwork. Meanwhile, the use of undocumented labor continues. About 48 percent of farm laborers don’t have legal status to work in the U.S., according to a National Agricultural Workers Survey, and just 33 percent are U.S. citizens.

Others say the percentage of undocumented farmworkers is higher. The United Farm Workers estimates 1 million of the nation’s 1.6 million farmworkers are undocumented, which is 63 percent. With such numbers, sources close to negotiations in Congress say bipartisan “gang of eight” groups in both chambers know they can’t ignore agriculture.

Insiders say long-awaited proposals for comprehensive immigration reform are imminent, with published reports expecting a Senate proposal within a few weeks.

If you answered yes then we have your career waiting for you!

AGR Tools Inc. is currently seeking store managers, assistant managers to work your own flexible schedule!

If you think you have what AGR Tools Inc. is looking for:

If you are interested and need more information, Please send your resumes to hrrecruitagrtoolsinc@gmail.com

Looking for a career where you can earn extra income?

Are you dedicated?

Computer literate?

And have access to the internet one to two hours a week?

http://legatum.mit.edu/lectures

The Tech is looking for bloggers.

E-mail join@tech.mit.edu

FREE and OPEN TO THE PUBLIC

Thursday, April 11 | 5:00 pm

45 Carleton St. Cambridge

E25-111

The first 25 attendees to arrive receive a free copy of Borderless Economics Reception and Seed Grant Showcase following lecture
Newly elected UA leadership elaborates on plans

UA relationship with community, student spaces, online education on their-to-do list

RAO and CORNISH expressed interest in getting ideas from people who aren’t part of the UA.

Finally, when looking at a feedback system for their performance, they hope to establish approval ratings and both physical and virtual “idea boxes,” the former for the UA to get a sense of how its doing, and the latter for MIT student ideas. The UA currently has an idea box at ua.jonfreape.com, but the last post was in December 2012.

Increasing student spaces

The second task the pair hopes to accomplish is increasing student spaces, starting with the Student Center restaurant space, which will soon be up for reallocation. “We have long-term plans to increase the restaurant space, as well as the Student Center overall,” said Rao.

“We are excited to work with a new IRO head for this upcoming year,” continued Cornish. “We hope to modernize the Athena clusters by adding more outlets which can be used for laptops, things that are smaller objects that have larger impacts to the MIT community.”

Both want to change Saferide. Their proposals include running Boston Daytime on the weekends, and tracking how many people from each stop get on and working to optimize the locations to gather the most people around Boston.

In changing the UA, Rao and Cornish hope to change and add new committee heads. “Our main method is to understand the goals of the committee head and see if they fit with what we want to do. If we are on the same page, then we’ll keep going with them,” stated Rao.

Online education

In order to have a thorough understanding of online education, Rao and Cornish said they would reach out to students and work with the new Institute-Wide Task Force on Online Education. Cornish, who is on the task force, said that “a critical step is to have a lot of cross talk between students and the faculty to understand everyone across the spectrum and not just looking to promote one teaching method.”

Rao maintained the belief that the UW’s role in online education will be based on student input. The first few days

Looking at what the UA will plan to do in the next 30 days, Rao and Cornish broke up their agenda into long-term and short-term lists. “Long-term is ensuring modes of communication between the UA and the students,” said Rao. “Short-term is to use the summer term to build up ideas like looking into the Saferide structure, working to expand upon MOPs across majors, improving infrastructure of dorms on campus, and doing movie nights at the beginning of the semester.”

To improve the UA’s image, Rao and Cornish are looking for a new A-caliber public relations committee head.

“But our key focus right now,” said Rao, “is to have the strongest leaders in the UA so that we can hit the ground running come Sept. 15.”

Seeking Account Managers, Bookkeeper, and Sales Representatives to work on their own flexible schedule.

It pays $1500-$2000 a month plus benefits and takes only little of your time.

Requirements

*2-3 hours access to the internet weekly.
*Must be Efficient and Dedicated

For more details send your resumes to: callahanmary007@gmail.com

Employees

Part-Time Accounts Bookkeeper and Representatives

Payable/Receivable Payroll Clerk

Good communication and organizational skills.

send resume to: davidom123@gmail.com

Solution to Crossword

MIT SCHOOL OF HUMANITIES, ARTS, AND SOCIAL SCIENCES

File Edit Options Buffers Tools Im-Python Python Help
from new_skills import *

def learnMarketableSkills():
return linux, OSX, javascript, applescript, perl, python, PHP

if self.interest == True:
print “E-mail join@tech.mit.edu”

------F1_join Techno.py (Python)--L1--Top

------F1_joinTechno.py (Python)--L1--Top------

---
Undergraduates!

You’re invited to the

Course 15 Open House

Tuesday, April 9th
4:00 - 5:30 PM
Bush Room (10-105)
Refreshments provided

Learn how our programs can give you the skills needed to excel in today's technically-driven business world.

Bachelor of Science in Management Science
Minor in Management
Minor in Management Science

Sponsored by the
MIT Sloan School of Management
Office of Undergraduate Education

Web: http://mitsloan.mit.edu/undergrad
Email: ugprogram@sloan.mit.edu
The ability to pattern functional materials in planar and three-dimensional forms is critical to many emerging applications, including printed electronics, self-healing materials, and tissue engineering scaffolds. 3D printing enables rapid design and fabrication of materials in arbitrary shapes without expensive tooling, dies, or lithographic masks. This talk describes the design and rheological properties of model and functional inks and their implementation in 3D printing of microelectrodes for pen-on-paper electronics, flexible photovoltaics, and electrically small antennas; hydrogel matrices with embedded microvascularization; and 3D hydrogel scaffolds for tissue engineering. Advances in high throughput printing of materials via multinozzle arrays will be highlighted.

The Wulff Lecture is an introductory, general-audience, entertaining lecture which serves to educate, inspire, and encourage MIT undergraduates to take up study in the field of materials science and engineering and related fields. The entire MIT community, particularly freshmen, is invited to attend. The Wulff Lecture honors the late Professor John Wulff, a skilled, provocative, and entertaining teacher who inaugurated a new approach to teaching the popular freshman subject: 3.091 Introduction to Solid State Chemistry.
Blood and Gore in MIT Dramashop’s “Elektra”

This week we will be featuring questions about the life, death and resurrection of Jesus Christ plus, as is our custom, we open the floor to everyone present to offer their own questions.

For more info contact bsf-request@mit.edu

BSF
He is my refuge... Psalm 91

Baptist Student Fellowship’s Question Night

Wednesday, April 10, 2013
W11-080

(Christian Fellowship Lounge)
MIT scores 11 runs in each game of doubleheader

By Phil Hess

MIT baseball team improves to 14-3 on the season after winning both games over WPI

By Phil Hess

The first four MIT hitters in the inning collected hits. Nate H. Rodman ’16 and Karl M. Sorenson ’15 had RBI singles that made it 4-1 before John E. Rea ’14 brought in the third run with a squeeze bunt. Another run came in on a WPI error and Mangrum completed the uprising with an RBI single that made it 7-1.

Mangrum finished with a combined line of 5-for-9 with six RBI. Rodman also had a 5-for-9 day, driving in three.

MIT starter, Kiel L. Jindra ’14, held WPI in check for most of his five innings on the mound. After giving up the first inning run, he surrendered just three more hits and two unearned runs. He was charged with nine strikeouts to improve to 2-0 on the season. Brandon M. Lover ’14 finished things off for MIT with two innings of two-hit relief. Mark Bentsen started and took things off for MIT with two innings of two-hit baseball.

MIT started the uprising with an RBI single by Cody Holmes, who then moved to second on a wild pitch. With two outs D.J. Ouellette ’16 delivered the run with a single to right to give the Engineers an early lead. MIT (14-3, 10-1 NEWMAC) broke through in the third when Mangrum delivered a two-out, two-run single that put WPI back on top, 4-3. Ouellette then singled in another to give the Engineers a two-run lead. Taylor Landry, the WPI starter, settled down after the fourth and gave up just one hit over the next three innings. In the eighth, however, he saw the first six hitters reach against him, hitting three of those. Perez and Rodman delivered RBI singles to tie the game before Dayton was hit by a pitch with the bases loaded to break the tie. With the bases still loaded James R. McKinney ’13 brought two home with a single to chase Landry. Mangrum then delivered the big hit, a three-run home run, which clinched it for MIT.

Artic J. Dama ’13 came out of the bull pen to pick up the win, throwing a perfect 2.1 innings in which he struck out five of the seven hitters he faced. Landry took the loss, giving up 10 runs on 10 hits over 7.2 innings.

Mangrum finished with a combined line of 5-for-9 with six RBI and three runs scored to lead MIT. Rodman also had a 5-for-9 day, scoring six times and driving in three. Kelly went a combined 3-for-9 and scored three times for WPI, with Capuano, Vendetti and Ouellette all driving in a pair for the Engineers.

Next up for MIT will be a completion of its NEWMAC series with Babson, with the Engineers hosting the Beavers on today at 3:30 p.m. at Briggs Field. WPI will also be completing a NEWMAC series, as it travels to Wheaton today for a 3:30 p.m. tilt.

Baseball teams improve to 14-3 on the season after winning both games over WPI

MIT scores 11 runs in each game of doubleheader

By Phil Hess

The first four MIT hitters in the inning collected hits. Nate H. Rodman ’16 and Karl M. Sorenson ’15 had RBI singles that made it 4-1 before John E. Rea ’14 brought in the third run with a squeeze bunt. Another run came in on a WPI error and Mangrum completed the uprising with an RBI single that made it 7-1.

Mangrum finished with a combined line of 5-for-9 with six RBI. Rodman also had a 5-for-9 day, driving in three.

MIT starter, Kiel L. Jindra ’14, held WPI in check for most of his five innings on the mound. After giving up the first inning run, he surrendered just three more hits and two unearned runs. He was charged with nine strikeouts to improve to 2-0 on the season. Brandon M. Lover ’14 finished things off for MIT with two innings of two-hit relief. Mark Bentsen started and took things off for MIT with two innings of two-hit baseball.

MIT started the uprising with an RBI single by Cody Holmes, who then moved to second on a wild pitch. With two outs D.J. Ouellette ’16 delivered the run with a single to right to give the Engineers an early lead. MIT (14-3, 10-1 NEWMAC) broke through in the third when Mangrum delivered a two-out, two-run single that put WPI back on top, 4-3. Ouellette then singled in another to give the Engineers a two-run lead. Taylor Landry, the WPI starter, settled down after the fourth and gave up just one hit over the next three innings. In the eighth, however, he saw the first six hitters reach against him, hitting three of those. Perez and Rodman delivered RBI singles to tie the game before Dayton was hit by a pitch with the bases loaded to break the tie. With the bases still loaded James R. McKinney ’13 brought two home with a single to chase Landry. Mangrum then delivered the big hit, a three-run home run, which clinched it for MIT.

Artic J. Dama ’13 came out of the bull pen to pick up the win, throwing a perfect 2.1 innings in which he struck out five of the seven hitters he faced. Landry took the loss, giving up 10 runs on 10 hits over 7.2 innings.

Mangrum finished with a combined line of 5-for-9 with six RBI and three runs scored to lead MIT. Rodman also had a 5-for-9 day, scoring six times and driving in three. Kelly went a combined 3-for-9 and scored three times for WPI, with Capuano, Vendetti and Ouellette all driving in a pair for the Engineers.

Next up for MIT will be a completion of its NEWMAC series with Babson, with the Engineers hosting the Beavers on today at 3:30 p.m. at Briggs Field. WPI will also be completing a NEWMAC series, as it travels to Wheaton today for a 3:30 p.m. tilt.

Baseball teams improve to 14-3 on the season after winning both games over WPI

MIT scores 11 runs in each game of doubleheader

By Phil Hess

The first four MIT hitters in the inning collected hits. Nate H. Rodman ’16 and Karl M. Sorenson ’15 had RBI singles that made it 4-1 before John E. Rea ’14 brought in the third run with a squeeze bunt. Another run came in on a WPI error and Mangrum completed the uprising with an RBI single that made it 7-1.

Mangrum finished with a combined line of 5-for-9 with six RBI. Rodman also had a 5-for-9 day, driving in three.

MIT starter, Kiel L. Jindra ’14, held WPI in check for most of his five innings on the mound. After giving up the first inning run, he surrendered just three more hits and two unearned runs. He was charged with nine strikeouts to improve to 2-0 on the season. Brandon M. Lover ’14 finished things off for MIT with two innings of two-hit relief. Mark Bentsen started and took things off for MIT with two innings of two-hit baseball.

MIT started the uprising with an RBI single by Cody Holmes, who then moved to second on a wild pitch. With two outs D.J. Ouellette ’16 delivered the run with a single to right to give the Engineers an early lead. MIT (14-3, 10-1 NEWMAC) broke through in the third when Mangrum delivered a two-out, two-run single that put WPI back on top, 4-3. Ouellette then singled in another to give the Engineers a two-run lead. Taylor Landry, the WPI starter, settled down after the fourth and gave up just one hit over the next three innings. In the eighth, however, he saw the first six hitters reach against him, hitting three of those. Perez and Rodman delivered RBI singles to tie the game before Dayton was hit by a pitch with the bases loaded to break the tie. With the bases still loaded James R. McKinney ’13 brought two home with a single to chase Landry. Mangrum then delivered the big hit, a three-run home run, which clinched it for MIT.

Artic J. Dama ’13 came out of the bull pen to pick up the win, throwing a perfect 2.1 innings in which he struck out five of the seven hitters he faced. Landry took the loss, giving up 10 runs on 10 hits over 7.2 innings.

Mangrum finished with a combined line of 5-for-9 with six RBI and three runs scored to lead MIT. Rodman also had a 5-for-9 day, scoring six times and driving in three. Kelly went a combined 3-for-9 and scored three times for WPI, with Capuano, Vendetti and Ouellette all driving in a pair for the Engineers.

Next up for MIT will be a completion of its NEWMAC series with Babson, with the Engineers hosting the Beavers on today at 3:30 p.m. at Briggs Field. WPI will also be completing a NEWMAC series, as it travels to Wheaton today for a 3:30 p.m. tilt.
**SPORTS**

Join us for a community open house celebrating the historic restoration of MIT’s Great Dome and the opening of Barker Library’s 24-hour reading room.

Wednesday, April 10, 2013, 2–4pm  •  Barker Library Reading Room

Remarks by President L. Rafael Reif. Refreshments to follow.

---

**SPORTS**

“a feeding frenzy for the brain!”

Sophie Lee

Kyra Horne ’15 runs the ball past two defenders during the women’s rugby game versus Wentworth Institute of Technology this past Saturday. MIT won 53-10.
DO YOU LIKE:
FREE DINNER, VIDEO GAMES, FRIENDLY PEOPLE,
cameras, stupid jokes, free stuff, snacks,
shiny computers, not as shiny floors, and...

NEWSPAPERS?

CPW OPEN HOUSE
HOSTED BY THE TECH
THURSDAY, APRIL 11
6PM-12AM
DINNER AT 6:30

TECH OFFICE
W20-483
Student Center 4th floor,
just follow the signs!

Come visit our office and watch the paper get made.
Play Super Smash Bros., chat with our staff, enjoy
some brownies, and learn about newspapers!

JOIN@TECH/MIT.EDU