Memorial unveiled in honor of Collier
Slain officer is remembered during ceremony in front of Stata Center

By Jennifer F. Svitizer
Staff Reporter

The dedication of a permanent memorial to Officer Sean A. Collier was held on April 29 in a ceremony that emphasized the strength of both Collier and the MIT community.

The permanent memorial is intended to be a place of remembrance and reflection, a place that evokes the strength of Collier Strong, a place that reflects the connectedness of our community,” said Execu- tive Vice President Israel Ruiz SM’01 in his opening remarks.

Collier had been fatally shot by the Boston Marathon bombers as he sat in his police cruiser by the Stata Center — feet from where the memorial now stands — shortly after the bombings in 2013. The trial of the only surviving bomber, Dzhokhar Tsarnaev, is currently in its sentencing phase.

At the corner of Main and Vassar streets, the memorial to Collier is composed of 32 interlocking granite blocks, held together by nothing but clever geometry and the force of gravity and friction.

President L. Rafael Reif saw these forces as an analogy for the often invisible forces between members of a community.

Memorial, Page 16

Settlement requires edX to supply features for those with disabilities

Federal review found online course site in violation of ADA

By Katherine Nazemi
Staff Reporter

edX has entered into a settle- ment with the Department of Jus- tice over allegations that the online course provider was not fully acces- sible to people with disabilities, in violation of federal law.

The settlement comes during a separate, ongoing lawsuit between MIT and the National Association for the Deaf (NAD) over a lack of closed captioning in online course videos and educational materials. MIT is due to reply to the NAD’s complaint by May 11.

According to a press release from the Department of Justice, the settlement will require edX to make its website “fully accessible” within 18 months of April 2, the date the settlement was reached. This will entail providing “accurate captioning for the deaf, oral navigation signals for the blind, and programming changes so those with dexterity disabilities can navigate content without struggling with a hand-operated mouse,” according to the release.

edX will not have to make any changes to the content of courses offered through its platform, but will provide guidance to course creators on best practices for making fully accessible online content.

The settlement came after a com- plaint review undertaken by the Department of Justice found edX to be in violation of the Americans with Disabilities Act (ADA). Specifically, edX was found to violate Title III of the ADA, which prohibits “public accommodations” — including pri- vately owned places of education — from discriminating against people with disabilities or barring people from using their programs.

Settlement, Page 17

Upright piano destroyed on last day to drop classes

Students drop a piano from the roof of Baker House in an annual Drop Date celebration.

IN SHORT

Pre-registration for the fall semester opens May 1. Students must pre- register for a C3-H-HV subject by June 15.

A subject with a final exam may not give assignments or tests after Friday, May 8. To report a violation to the UA, email violations@mit.edu.

Send news and tips to news@tech.mit.edu.

Funding cuts hurt US innovation, report says

MIT authors say nation’s competitiveness is at stake as Europe, Asia invest in R&D

By Rohan Banerjee
Staff Reporter

Decreased federal investment in academic basic research will hinder innovation in industries and at universities, according to a report, entitled “The Future Post- posed.” written by a committee of 36 MIT faculty members and administrators.

The report, released Monday, listed 15 specific areas of basic re- search that would benefit from increased government support. The committee says that is its goal is to combat the growing innovation deficit between the U.S. and other nations.

The Tech spoke with physics professor Mark Kastner, chair of the MIT Committee to Evaluate the Innovation Deficit, which prepared the report. He said that the primary

Funding, Page 18

SpringFest concert sees increase in attendance

Budget plan of $17,000 lowered to $500 by UA

By William A. Rodriguez
Staff Reporter

Despite the rejection of its budget plan by the Undergradu- ate Association, the UA Events Committee held its annual SpringFEST, organizing events throughout last week leading up to Saturday’s concert.

Headlined by rapper Lupe Fi- asco and Boston-based band Bad Rabbit, the concert managed to draw about 1,450 attendees, an increase from last year.

The UA Events Committee had initially requested a budget of around $17,000 for SpringFEST weekend, which was presented both times despite adjust- ments made according to the council’s feedback. Ultimately, the UA only approved $500, which was allocated to buying Ben & Jerry’s ice cream.

SpringFest, Page 14

CHEATING FOR THE FEDERAL FUNDING
Atlanta public schools cheating case reveals truths about U.S. edu- cation. OPINION, p. 4

MTG’S SPRING AWAKENING
Check out iconic scenes from MTG’s newest production. PHOTO, p. 11

UNIFIED CLASS FLIES HIGH
See the planes that flew in this year’s Unified competition. PHOTO, p. 12

LUPE FIASCO RETURNS FROM 2006... to sing at SpringFest 2015. PHOTO, p. 10

HOW OLD IS ADALINE EVEN?
Find out in our movie review. ARTS, p. 9

WEATHER, p. 2
THU: 56°/44° Cloudy
FRI: 59°/43° Cloudy
SAT: 57°/46° Cloudy

SECTIONS
Funding, Page 18
Settlement, Page 17
SpringFest, Page 14
WEATHER

All quiet on the Eastern front

By Costa Christopoulos

A more-or-less benign weather pattern will lead to cloudy skies and mild temperatures into the weekend. For the next few days, a so-called ‘backdoor front’ will influence New England weather. In contrast to typical cold fronts, which channel in cooler air from the northwest, backdoor cold fronts approach from the northeast. During the spring months in New England, this often means cooler temperatures and clouds as air blows over ocean waters.

The front we’ll be dealing with developed in response to a low pressure system to the southwest. Cooler, maritime air will linger in the region through Saturday, keeping a slight chance of drizzle in the forecast. By Sunday, winds shift to the southwest. Cooler, maritime air will linger in the region through the weekend. For extended forecasts, please refer to the techdoku on page 5.

Extended Forecast

Today: Cloudy with a high of 56°F (13°C). Easterly winds at 6 mph.

Tonight: Cloudy with a low of 44°F (7°C). Winds from the northeast at 6 mph.

Tomorrow: Cloudy with a high of 49°F (9°C). Winds from the northeast at 10–15 mph.

Saturday: Mostly cloudy with a high of 57°F (14°C).

Sunday: Mostly sunny with a high in the middle 60s °F (19°C).

Student Support Services

Extended Walk-In Hours!

May 4th – May 15th

9am-10:30am / 2pm-3:30pm

To schedule an appointment: please call (617) 253-4861

Solution to Squash Sudoku from page 3

Solution to Swimming Sudoku from page 3

Solution to Tennis Techdoku from page 5

Solution to Track Techdoku from page 5

Solution to Training Techdoku from page 5

This space donated by The Tech
Muslim Writers Collective & MIT Muslim Student Association present

A NIGHT OF SPOKEN WORD

See Muslims through a different lens

FREE SUSHI
Open to everyone
2nd May | 6 to 8 PM
Lecture Hall 4-370
MIT
The twisted incentives behind the Atlanta Public Schools cheating case
What one scandal says about the American education system

By Archis R. Bhandarkar

This month, verdicts were handed down in one of the largest standardized test cheating scandals in a public school system to date. Eleven out of twelve defendants ranging from test administrators to teachers and principals in the Atlanta Public Schools system were convicted for racketeering, making false statements, and other crimes. An investigation led by former Georgia Attorney General Michael Bowers discovered that more than 250,000 wrong answers were changed in thousands of students’ standardized tests since 2001. Yet as staggering as the Atlanta Public Schools cheating scandal seems to be, perhaps the real crime here lies in high-stakes standardized testing, which is imposed on children across the board without attention to the unique contents surrounding individual school districts.

Of course, there is nothing inherently wrong with seeking quantifiable measures of the effectiveness of our education system, as legislative initiatives like No Child Left Behind and Race to the Top attempt to do. After all, educational benchmarks could help the government identify schools in need of resources that would better students’ education. But cheating is bound to occur when those same standardized tests become a major arbiter of high-stakes decisions such as promotion grade, the amount of state funding, and the hiring and firing of teachers. Relying on test scores alone to make these decisions downplays the effort put in by students and teachers alike, as well as the complex social and economic factors that underlie students’ education. In doing so, high-stakes standardized testing sidesteps the root causes of underprivileged districts’ difficulties in meeting the standards set in place. Without addressing deeper problems first, asking for better scores out of these districts and punishing them by removing funding or closing their operations if they fail to deliver is a shortsighted way of pressuring students, teachers, and school administrators into meeting unrealistic expectations.

Perhaps the biggest underlying flaw of our education system lies in school funding mechanisms that perpetuate the disadvantage that calls for corrective action on the community’s face. For most school districts, the vast majority of funding is derived from local property taxes. In particular, roughly 76 percent of the funding in the Atlanta Public Schools system’s 2011-2012 budget came from local property taxes, compared to 23 percent and 2 percent from state and federal sources, respectively. When poorer districts derive most of their revenue from already diminished local funding sources, it is no wonder that a cycle of disadvantage is reinforced. The kind of high-stakes standardized testing that closes schools and puts teachers out of work when standards aren’t met often casts this kind of context in the way and, indeed, in the way, legislative initiatives that have created this new norm have transformed tests that should be used to gauge progress and need for support into additional sources of pressure for already-challenged districts.

Looking back at the Atlanta Public Schools scandal, the district’s local challenges merged with the unrealistic expectations of high-stakes standardized testing. Together these forces created pervasive incentives that drive the district to commit massive test fraud. Ultimately, the systematic dismissal of context made all the difference in the Atlanta Public Schools case. Acknowledging that locally nuanced context should drive the future of education policy.

OPINION POLICY

Editorials are the official opinion of The Tech. They are written by the Editorial Board, which consists of Chairman Yu and the Editor in Chief at large. Letters, columns, and cartoons are written by students and individuals who are not necessarily that of the newspaper. Electronic submissions are encouraged and should be sent to letters@tech.mit.edu. Letters must be 250 words or fewer and should be directed to the appropriate person. You can reach the editor in chief by emailing the@tech.mit.edu. Please send press releases, requests for coverage, and information about errors to fedegardi@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.

The twisted incentives behind the Atlanta Public Schools cheating case
What one scandal says about the American education system

By Archis R. Bhandarkar

This month, verdicts were handed down in one of the largest standardized test cheating scandals in a public school system to date. Eleven out of twelve defendants ranging from test administrators to teachers and principals in the Atlanta Public Schools system were convicted for racketeering, making false statements, and other crimes. An investigation led by former Georgia Attorney General Michael Bowers discovered that more than 250,000 wrong answers were changed in thousands of students’ standardized tests since 2001. Yet as staggering as the Atlanta Public Schools cheating scandal seems to be, perhaps the real crime here lies in high-stakes standardized testing, which is imposed on children across the board without attention to the unique contents surrounding individual school districts.

Of course, there is nothing inherently wrong with seeking quantifiable measures of the effectiveness of our education system, as legislative initiatives like No Child Left Behind and Race to the Top attempt to do. After all, educational benchmarks could help the government identify schools in need of resources that would better students’ education. But cheating is bound to occur when those same standardized tests become a major arbiter of high-stakes decisions such as promotion grade, the amount of state funding, and the hiring and firing of teachers. Relying on test scores alone to make these decisions downplays the effort put in by students and teachers alike, as well as the complex social and economic factors that underlie students’ education. In doing so, high-stakes standardized testing sidesteps the root causes of underprivileged districts’ difficulties in meeting the standards set in place. Without addressing deeper problems first, asking for better scores out of these districts and punishing them by removing funding or closing their operations if they fail to deliver is a shortsighted way of pressuring students, teachers, and school administrators into meeting unrealistic expectations.

Perhaps the biggest underlying flaw of our education system lies in school funding mechanisms that perpetuate the disadvantage that calls for corrective action on the community’s face. For most school districts, the vast majority of funding is derived from local property taxes. In particular, roughly 76 percent of the funding in the Atlanta Public Schools system’s 2011-2012 budget came from local property taxes, compared to 23 percent and 2 percent from state and federal sources, respectively. When poorer districts derive most of their revenue from already diminished local funding sources, it is no wonder that a cycle of disadvantage is reinforced. The kind of high-stakes standardized testing that closes schools and puts teachers out of work when standards aren’t met often casts this kind of context in the way and, indeed, in the way, legislative initiatives that have created this new norm have transformed tests that should be used to gauge progress and need for support into additional sources of pressure for already-challenged districts.

Looking back at the Atlanta Public Schools scandal, the district’s local challenges merged with the unrealistic expectations of high-stakes standardized testing. Together these forces created pervasive incentives that drive the district to commit massive test fraud. Ultimately, the systematic dismissal of context made all the difference in the Atlanta Public Schools case. Acknowledging that locally nuanced context should drive the future of education policy.

OPINION POLICY

Editorials are the official opinion of The Tech. They are written by the Editorial Board, which consists of Chairman Yu and the Editor in Chief at large. Letters, columns, and cartoons are written by students and individuals who are not necessarily that of the newspaper. Electronic submissions are encouraged and should be sent to letters@tech.mit.edu. Letters must be 250 words or fewer and should be directed to the appropriate person. You can reach the editor in chief by emailing the@tech.mit.edu. Please send press releases, requests for coverage, and information about errors to fedegardi@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.
Technical Problems 5

Technical Problems is a weekly column consisting of puzzles and math problems intended to be accessible to undergraduates of all majors. Solutions are posted two weeks later online. If you are interested in having one or more of your solutions published in the column, please send them to general@tech.mit.edu.

Problem 1
You have six charged batteries, six uncharged batteries and a radio that requires two charged batteries to work. You are allowed to try out nine pairs of batteries and each time check if the radio works. Is there a way to guarantee that you will be able to find a pair of charged batteries?

Problem 2
You have four balls, each with a positive integer mass (in grams); and a balance which reports the signed difference between the weight of the contents in its left pan and in its right pan. You are allowed to use the balance four times. The balance might malfunction and give you an answer that is off by 1 gram; however, this can occur at most once. Can you always figure out the masses of all four balls?

Problem 3
David has colored the squares of a 2015-by-2015 square grid red and blue. A path is a sequence of squares such that consecutive squares in the path share an edge and no other pairs of squares in the path share an edge. Prove that if the red squares form a single path and the blue squares form a single path, then one of these two paths must begin or end in the center of the 2015-by-2015 grid.

Compiled and edited by Matthew Brennan.

---

Squash Sudoku

Solution, page 2

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.

Training Techdoku

Solution, page 2

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

Swimming Sudoku

Solution, page 2

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.

Tennis Techdoku

Solution, page 2

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

Track Techdoku

Solution, page 2

Instructions: Fill in the grid so that each column and row contains exactly one of each of the digits 1 through 9.
ACROSS
1 Prompt on stage
4 Confusing pattern
8 Evening star
14 Recordings making a comeback
15 Very dry
16 Exceedingly
17 It means “and the rest”
18 Setting
19 Most recent
20 Trevi coin?
23 Twice-daily riser
24 Like Gen. Powell
25 In-flight info
28 Thickset
31 NHL team
32 Real estate abbr.
33 Polished off
35 Start to wilt
36 Barker nodding off?
40 Shoulder shielder
41 Strong refusal
42 Japanese beef center
43 What clippers are called
44 Buffonery
45 Greek sorcery goddess
46 Titularly
47 Vulture cousin
48 Zack who directed Man of Steel
49 Solemn promise
50 What surrounds Cyprus
51 Poetic adverb
52 Really angry rabbit?
53 Train of thought
54 Major work
55 Physical extent
56 Promotional activity
57 Overcome
58 Its website has a DoctorFinder
59 Sweet Potato Awareness Mo.

DOWN
1 What some chins have
2 In the mood
3 Portugal’s pre-euro money
4 Rigging support
5 Magic Flute piece
6 Entrees often baked
7 Shangri-la
8 Superficial appearance
9 Happening
10 In stitches
11 Victimized
12 Introduction to sociology
13 Turn bad
14 Intel chip rival
15 Tuning-fork twosome
16 Aeneid setting
17 Band box
18 Part of a hull
19 Jabber
20 Magic Flute piece
21 Intel chip rival
22 Tuning-fork twosome
23 Aeneid setting
24 Band box
25 Part of a hull
26 Jabber
27 Train of thought
28 Winter comment
29 Karaoke liability
30 Grief
31 Lack of vigor
32 Physical extent
33 Magic Flute piece
34 Karaoke liability
35 Frustration exclamation
36 Ending for slip or rough
37 Basis of Rent
38 Wool-coat owner
39 Org. in Ludlum novels
40 Runner with a binding
41 Strong refusal
42 Japanese beef center
43 What clippers are called
44 Buffonery
45 Greek sorcery goddess
46 Titularly
47 Vulture cousin
48 Zack who directed Man of Steel
49 Solemn promise
50 What surrounds Cyprus
51 Poetic adverb
52 Really angry rabbit?
53 Train of thought
54 Major work
55 Physical extent
56 Promotional activity
57 Overcome
58 Its website has a DoctorFinder
59 Sweet Potato Awareness Mo.

I LOVE NEW YORK
by Richard Silvestri

Solution, page 17

ACROSS
1 Prompt on stage
4 Confusing pattern
8 Evening star
14 Recordings making a comeback
15 Very dry
16 Exceedingly
17 It means “and the rest”
18 Setting
19 Most recent
20 Trevi coin?
23 Twice-daily riser
24 Like Gen. Powell
25 In-flight info
28 Thickset
31 NHL team
32 Real estate abbr.
33 Polished off
35 Start to wilt
36 Barker nodding off?
40 Shoulder shielder
41 Strong refusal
42 Japanese beef center
43 What clippers are called
44 Buffonery
45 Greek sorcery goddess
46 Titularly
47 Vulture cousin
48 Zack who directed Man of Steel
49 Solemn promise
50 What surrounds Cyprus
51 Poetic adverb
52 Really angry rabbit?
53 Train of thought
54 Major work
55 Physical extent
56 Promotional activity
57 Overcome
58 Its website has a DoctorFinder
59 Sweet Potato Awareness Mo.
UPPERCUT by Steve Sullivan

Saturday Stumper by Brad Wilbur

Solution, page 17

ACROSS
1 Church rite
9 Jacopies
14 One of the inspirations for Betty Boop
15 What Shaq took when he moved to the Heat
16 Sophocles heroine
17 Frost
18 Gives up, with “out”
19 National ethos
21 2015 Golden Globes cohost
22 Refuse to answer
23 AP’s 1993 Female Athlete of the Year
24 Gives up
28 Daffodil cousin
32 Org. issuing 12/24 Twitter updates
34 Coveted shade in bottle collecting
35 Word from the Latin for “ghastly”
37 ‘70s De Niro vehicle
38 Lord Kelvin conceived a machine to predict them
40 They’re often blonde and braided
42 Underground comix pioneer
44 Fictional South Pole explorer
45 Low-cholesterol steak source
47 “But ______ eternal summer shall not fade”: Shak.
50 Flashy set
54 Exultation exclamation
55 Beginning of many a historical era
56 Europe’s most numerous ethnic group
58 Minnesota’s state gemstones
60 Craftiness
61 Proton ______ (any acid)

DOWN
1 Type of wrap
2 Elbow attachments
3 Spruce
4 1912 portraitist of Picasso
5 ______ wheel
6 Chaffy
7 Disney’s first movie sequel
8 Balloon
9 Venerable surf-gear brand
10 Dreamer of Gothic fiction
11 South American superfood
12 Pets favored by Queen Victoria
13 Leave in place
14 1912 portraitist of Picasso
15 Future Oscar winner who is a Jersey Boys character
16 Subject of many valuable drawings
17 Storage unit for physicists
18 In the future
19 John Rambo lives among them
20 Staff notation
22 Without butter, say
23 “No society will survive a shortage of women,” speaker
24 Subject of many valuable drawings
25 Somewhat less crying
26 Adjective for “pop punk”
27 Start of numerous German duchy names
29 Scottish-born preservationist
30 Current designation
31 Source of many valuable drawings
32 Slam
33 Cyrano de Bergerac et al.
36 Somewhat less crying
39 Satisfies
40 Coffee-shop enticement
41 Adjective for “pop punk”
42 Storage unit for physicists
43 Some books, often
44 On-target
45 Toy Hall of Fame original inductee
46 “Over the Rainbow” observer
47 Souvenir of many valuable drawings
48 In the future
Leonardo da Vinci and the Idea of Beauty
The collection features portrait sketches and the Codex on the Flight of Birds

By Tara Lee
STAFF WRITER

From now until June 14, Boston’s Museum of Fine Arts is featuring an exhibit on Leonardo da Vinci’s drawings. In a more refined way, the exhibit is analogous to the behind-the-scenes reel of a movie — you won’t find his most famous paintings like the Mona Lisa or The Last Supper. Instead, the exhibit features an intimate series of sketches and drawings, ranging from portraits of women to the anatomy of a bird. Many of the featured works are loans from Italian collections, including the Uffizi Museum in Florence, and the Biblioteca Reale in Turin.

At the front of the gallery, sketched caricatures of men represent da Vinci’s fascination with the human face, detailing even the weathered wrinkles of the elderly. The second section of the gallery continues the series of portrait sketches, but instead focuses on da Vinci’s idea of youthful beauty. The works display da Vinci’s belief in precise facial proportioning, such as the distance between the eyes being the width of one eye. One of the drawings was the Head of a Young Woman (Study for the Angel in the “Virgin of the Rocks”), which art historian Sir Kenneth Clark deemed to be “one of the most beautiful drawings in the world.” Interspersed among da Vinci’s drawings, however, were some of da Vinci’s pupil’s drawings, inviting viewers to analyze the subtle differences between them. For some of the drawings, it is unknown whether the artist is one of da Vinci’s pupils or the master himself, so viewers have to draw their own conclusions.

The last section of the exhibit features da Vinci’s scientific drawings, which include sketches detailing the anatomy of his horse’s legs. In addition to these technical drawings, a highlight of this section of the gallery is the Codex on the Flight of Birds, which includes 18 folios that examine the flight behavior of birds. For me, the exhibit was inspiring because it was relatable. I wasn’t standing in front of an enormous painting by da Vinci that he painted as a commission. Rather, I was looking at a series of drawings that he casually sketched. I could see the individual strokes of his pencil, or an incomplete neck in a portrait sketch. They make me want to start drawing the human face and all of its complicated curves and proportions — to find my own idea of beauty.

Leonardo da Vinci drew this study for the angel in the “Virgin of the Rocks” around 1483-85.

Leonardo da Vinci and the Idea of Beauty
Showing at the Museum of Fine Arts until June 14

FREE A Cappella Concert
TECHIYA
AND THE KOSHER-FOR-PASSOVER CHOCOLATE FACTORY

Featuring: Chinese Choral Society & Edgerton Graduate Choir
- Refreshments Provided -

Sunday, May 3rd – 6:30pm – MIT 10-250

This space donated by The Tech
Blake Lively is known to us for her glamorous role in the TV show Gossip Girl. Though the show has since ended its six-season run, Lively's style and smile have found their way back to the screen in the movie The Age of Adaline.

Adaline Bowman, a 29-year-old woman who has been stuck at the same age for almost 80 years ever since a car accident left her unable to feel the effects of time. As the rest of the world ages, Adaline's body does not. Anyone who gets too close to her, Adaline runs away to a new city, afraid of falling in love with someone who will grow old without her. When she meets a man named Ellis (Michiel Huisman), however, Adaline tries to stop running but stumbles over the strange complications that develop from her secret.

Dior and I: A look into one of the world’s most renowned fashion houses

By Karleigh Moore

Christian Dior was a renowned French fashion designer who founded one of the world’s top fashion houses (named after himself). Dior and I follows the newly appointed creative director Raf Simons as he works under the pressures of the fashion industry and keeping up with Dior’s legacy. Everyone is familiar with image of models strutting down runways, wearing the latest designer fashions, this film offers a rare and up-close look at the work preceding the exhibition. We witness the stages of production: sketching, prototypes, modeling, right up to the big reveal on the catwalk.

Dior and I can be an interesting watch for anyone inclined in the fashion world, but the film had provided a bit more context regarding fashion, and because it was more about the people behind the scenes in the fashion industry. I wish the film had provided more in-depth, and suspense through Ford’s emotional performance, but it unfortunately does not make up for the stagnant first half of the film.

The movie plays with the interesting concept of eternal youth, but it fails to present the idea convincingly. If Adaline’s agelessness were portrayed more believably, my empathy for Adaline’s condition would have doubled.

MOVIE REVIEW

Blake Lively stars in The Age of Adaline

Eternal youth and romance make a strange combination

By Tara Lee

MOVIE REVIEW

Dior and I: A look into one of the world’s most renowned fashion houses

A fashion documentary that is interesting, though slightly inaccessible

By Karleigh Moore

When I first saw the term “fashion documentary” in the description of this film, I have to admit, I wasn’t sure if I’d like it in the slightest. Overall, Dior and I is a fairly well-made documentary, it drew intriguing parallels between the modern and the traditional, and the commentary from the workers made me want to know more about the people behind the scenes in the fashion industry. I wish the film had provided more in the fashion world, it isn’t exactly clear why. The film was enjoyable mostly by fashion inclined audience, but the film can be an interesting watch for the average viewer too — if you’re able to stick with the film despite feeling out of your depth.
SpringFest 2015

Photography by Tami Forrester and Robert Rusch

Lupe Fiasco leans back while singing with students at SpringFest 2015.

Salim Akram of Bad Rabbits jams out on the guitar during the opening act.

Students cheer as Lupe Fiasco enters the stage during the 2015 Spring Fest concert.

Artist Lupe Fiasco leads the crowd in a dance.

Predu Boakye of the opening act, Bad Rabbits, sings before a crowd of students.

Lupe Fiasco, the main number at Spring Fest 2015, sings to a cheering audience.
MTG Presents

SPRING AWAKENING

Photography by Alexander C. Bost

Matthew T. Iovino ’17 as Melchior in “Totally Fucked.”

Talia E. Weiss ’17 as Wendla in “Mama Who Bore Me.”

Moritz’s father, played by Garrett W. Schulte ’17, grieves for his son in “Left Behind.”

Matthew T. Iovino ’17 acts in the MIT Musical Theatre Guild’s production of Spring Awakening. Set in a German town in the late 19th century, the production explores a variety of mature themes born of the characters’ nascent sexual curiosity. Shows continue today, tomorrow, and Saturday at 8 p.m. in Little Kresge.

Matthew T. Iovino ’17 acts in the MIT Musical Theatre Guild’s production of Spring Awakening. Set in a German town in the late 19th century, the production explores a variety of mature themes born of the characters’ nascent sexual curiosity. Shows continue today, tomorrow, and Saturday at 8 p.m. in Little Kresge.
Members of the team “ProCADinators” (Andrew E. Kurtz ‘17, left, and Edward J. Lopez ‘17) work to repair their plane for the payload mission after a crash led to a break in the fuselage.

Members of the team “Average Joes” (from left to right: Matthew R. Ryback ’17, Eric A. Rehw ‘17, Bjarni Kristinsson ‘17, and Bradley J. Walcher ’17) look on as their plane completes the payload mission with eight hardboiled eggs.

Unified Engineering Flight Competition

Team “Give Me Some Shouga”’s aircraft leaves the starting line for its first attempt at the payload mission.

Team “COME TO PRIMAL” (from left to right: Daniel Dalton ’12, Jake P. Ligouri ’12, Filip Twarowski ’12, and Sean D. Kropp ’17) work with Prof. Mark Drela and one of the pilots to fix their plane prior to the speed mission.

Team “Egg On”’s plane sits at the starting line of the runway in preparation for the payload mission. For this mission, each plane was given a separate score based on how many hardboiled eggs were intact after a 5-lap flight around the indoor Johnson Track.

Members of the team “Average Joes” (from left to right: Matthew R. Ryback ’17, Eric A. Rehw ’17, Bjarni Kristinsson ’17, and Bradley J. Walcher ’17) look on as their plane completes the payload mission with eight hardboiled eggs.

Members of the team “ProCADinators” (Andrew E. Kurtz ‘17, left, and Edward J. Lopez ‘17) work to repair their plane for the payload mission after a crash led to a break in the fuselage.

Team “COME TO PRIMAL” (from left to right: Daniel Dalton ’12, Jake P. Ligouri ’12, Filip Twarowski ’12, and Sean D. Kropp ’17) work with Prof. Mark Drela and one of the pilots to fix their plane prior to the speed mission.

Team “Give Me Some Shouga”’s aircraft leaves the starting line for its first attempt at the payload mission.

Team “Egg On”’s plane sits at the starting line of the runway in preparation for the payload mission. For this mission, each plane was given a separate score based on how many hardboiled eggs were intact after a 5-lap flight around the indoor Johnson Track.
“SAAM Says” is a collection of narratives by sexual assault survivors and victim advocates being published during MIT Sexual Assault Awareness Month. This is the last of four pieces in the series.

My freshman year, I awoke in the middle of the night to the sound of someone moving about in my room. Leaping up slightly in bed, I saw that my roommate’s door was open and the door was ajar. I said his name wearily to verify that it was him. It wasn’t. A dark figure slipped out so silently I questioned whether I was actually awake. Adrenaline kicked in like a turbo-lagged engine, adding to the nightmarish unreality. I told no one what had happened. Probably just a drunk person in a bar. I now have a stalking crisis: I am on your side. You are my survival.

When I woke up he was standing over me, nity and crept in while I was vulnerable. I started yelling. “You didn’t have my permission to be in there!” I said. “I left that door LOCKED!”

I’ll never forget how I felt in the days following what happened, not so much as I wish to forget. I was confused, angry, distracted, and depressed, but most of all I was scared. I told the company of my suitemates, I was irrationally terrified that they knew what had happened and blamed me for it. I kept my door locked all the time but didn’t feel safe anywhere. As crazy as it sounds, I blamed myself, constantly thinking of what I might have done to “lead him on,” whatever that means in this context.

For those of you that have felt this way, or feel this way now, I can tell you with conviction that it gets better. For me, it started following what happened, nor do I wish to get through to more students than ever before — I always love to see an It’s On Us sticker on the computer of someone I have never met, which I take as evidence of successful outreach. But the most important work still occurs in conversations between students, when we talk about consent, being respectful to one another, and creating safer spaces in our living groups.

My mission as a member of SAFER®2 has been to address the conditions that make students feel unsafe. Through all of the work I take on, whether it’s leading a discussion on bystander intervention or organizing the One Night Stand for Student Rights, I am trying to tell those around me what I needed to hear after my stalking crisis: I am on your side. You are safe here. It gets better.

At MIT, sometimes it feels like you don’t have time to care. I get it; when I’m not balloon for It’s On Us in Lobby 10, I’m usually rushing through and dodging charitable solicitors as well. Problem sets are like a constant recurring natural disaster that keeps us all huddled up alone in our rooms, with our stores of caffeine for survival. But if we are to uphold the values of our institution — if we are to improve ourselves and thrive collaboratively, rather than settle for an environment where a lucky few prosper at the expense of many others — then we must support each other, and do more to say, “I’m on your side.” Whoever you are, you have a stake in this, and you have the power to make things better.

Note: This account has been kept anonymous to protect the author’s privacy.
On Friday night, students participated in the Dandelion Project, a collective artwork on Kresge lawn. Each participant wrote a wish on a card and hung it up inside a large round tent. At the center of the tent was a “dandelion” made of fibrilactic sticks. Each participant added a new stick to the dandelion. The project was hosted by the MIT 2015 Class Council, MIT STEAM, and Pneuhaus.

Festivities lead up to Lupe Fiasco concert last Saturday night

SpringFest organizers aim to make it a weeklong event in the future

SpringFest, from Page 1

The rejected $17,000 budget was supposed to fund a dessert night hosted by Max Brenner and other Boston restaurants, a sushi study break held in collaboration with other MIT clubs, and a BurgerFEST event with The Augur and other restaurants featuring free appetizers before the SpringFEST concert. Under the original budget plan, the UA Events Committee would have also hosted a SpringFEST after-party and a larger SpringFESTival event on Saturday afternoon with more food trucks and free tasks tops.

On Thursday and Friday, festivities consisted of an Israel Independence Day Carnival with live camels and Israeli music, a dessert night at the Finele bakery, a Palestinian Nakba Memorial, and an improvisational comedy event featuring Roadkill Buffet and the Upright Citizen’s Brigade, whose members have included such notable comedians as Amy Poehler, Aziz Ansari, and Kate McKinnon.

On Saturday afternoon, Zinneken’s and Ben & Jerry’s food trucks offered free waffles and ice cream at Kresge, and Dormcon hosted a carnival on the McCormick Lawn. The SpringFEST concert was held later that night from 8 to 11 p.m. at the Zanerian Center.

In an email to The Tech, UA Events Chairs Raichelle Aniceto ’16 and Divya Shanmugam ’17 emphasized the attendance success of the capstone concert event with Lupe Fiasco and further encouraged the idea of SpringFEST as a week-long campus-wide celebration, rather than just a concert.

We found success in showcasing other student groups and organizations and creating a week of events that students of different interests could enjoy,” Aniceto and Shanmugam wrote. “We hope that UA Council will provide support for next year so that we can create SpringFEST16 as an even greater set of week-long events.”

Colleges in the greater Boston area also celebrated their respective spring festival events this weekend with varying prices of admission. At Harvard, pop artist Kesha performed at “Yardfest,” where students had free entry with a valid Harvard ID. At Tufts University’s “Spring Fling,” Kesha headlined the event and Tufts students were each allotted one free ticket. Kesha also performed at the University of Pennsylvania’s “Spring Fling,” although students were charged $45 for general admission. The price for MIT’s SpringFEST concert event was $15 for student and $20 for the general community before Saturday and $30 at the door for both the MIT community and the public.
Sakata Afrique presents...

Would you like to learn how to dance to the beats of Africa?

Do you enjoy African or African Diaspora music?

Stata Outdoor Amphitheater

May 2, 2015 - 2:00-5:00 PM

Come join the members of MIT’s African Dance Group Sakata Afrique as we celebrate another year and showcase our dances. We will also be giving workshops for a few dances. Food will be provided. See you there!
The Tech

Stone memorial represents community at MIT, Reif says

Memorial designed, engineered by architecture profs

This space donated by The Tech community, which were revealed as the MIT community came together to mourn Collier’s loss.

“Beginning today, this memorial will be a landmark in our daily lives, a new gateway to the campus we share,” he said. “I hope this graceful display of invisible forces can become a daily reminder of those invisible human forces that create community.”

John DiFava, MIT’s police chief, compared the Collier memorial to a Roman memorial to the famous politician Cicero. In his speech, DiFava remembered his father characterizing Cicero as a great man to Romans.

“I have no doubt that in the years to follow, when we are long gone, a father will look at this beautiful structure and say, ‘This memorial was built by MIT to honor Sean Collier. To MIT, he was a great man,’” he said.

The creation of the memorial was a collaboration between people from a variety of disciplines, including Professor J. Meejin Yoon, who designed the structure; Professor John Oschendorf, who oversaw its engineering; and Collier’s brother Rob Rogers, who was the project manager for Suffolk Construction.

Yoon described the process of designing the memorial as “a deeply emotional and humbling experience.”

She praised the strength of Collier’s brother Rogers, who was “on the site daily at the crack of dawn, through blizzard after blizzard, devoted and resolved to build block by block the memorial for today’s dedication,” adding that “Rob [Rogers] always had a quiet strength, a kind spirit, a contagious smile.”

The audience rose in standing ovation as Yoon concluded that “the memorial had not truly been built with big granite blocks but had in fact been built with big hearts, and all love.”

Her last remark alluded to Rogers’ eulogy for Collier: “Live long like he would. Big heart, big smiles, big service, all love.” These words have been inscribed into the memorial.

With five radial walls curving around an empty ovoid space, the memorial is inspired by the gesture of an open hand, symbolizing Collier’s willingness to help others. The empty space serves as a place of reflection and a physical reminder of his loss.

Amid the stone memorial, honey locust trees were planted to mark the passage of time, while underneath it point lights were set into the pavement to permanently map the constellation of stars on the night of Collier’s death, April 18, 2013.

The design of the memorial’s arches combined old-fashioned masonry techniques with cutting-edge digital fabrication and structural computation techniques, creating what Yoon called a structure of “unprecedented form.”

“MIT is known for science and technology, discovering and innovation, boldness and bearing,” Reif said. “Today through this memorial we demonstrate all those strengths, and we remind ourselves of our capacity for reverence and beauty too.”

Even The Tech needs tech support

and we’re looking for some. join@tech.mit.edu

Mit Ohms presents...

The Concerts That Never Were

Sunday, May 3rd | 2pm | 10-250
EdX CEO promises universal usability

EdX officials say technology is ahead of policy

Settlement, from Page 1

with disabilities from full and equal enjoyment of the services they provide.

Notably, edX was considered to be a public accommodation despite having a purely online presence. Although the Justice Department said in a press release that it has “long considered Title III to apply to online services,” edX general counsel Tena Herod noted a gap between existing accessibility laws and their application to emerging online technologies.

“The laws regarding website accessibility should be clear and uniformly applied,” Herod wrote in a statement. “While the law and policy catch up, we are very proud to be a leader in website accessibility for learners across the globe.”

“We are excited about where we are going,” Herod said.

Anant Agrawal, CEO of edX, echoed this sentiment. “Our vision — quality education for everyone, everywhere — can only be achieved when our site is accessible to all users, including people with disabilities.”

Solution to Saturday Stumper

SUNFLOWERS HEAPS CLARABOW PAY CUT ANTI GONE ENRAGE RATE VOLKSWAGEN TVS CRAWFORDS CRAYFISHERS APPLES PAREDO TAXI MOUNTAIN MOUNTAINS IRON RUTENIA RUTENIA GLITTERATI WHEE REVOLUTION RUSSIANS ACROSS ARTIFICIAL DONORS DESPISES

Solution to I LOVE NEW YORK

CUES MAKE VESPER LIPS ARIO EVANSO ETC LIFE NEWEST FOURNIEUR TIDE AREN'T SNOT ROYAL DOOM EATER DROP SLEEPINGCARNY EUGAMIL MOSIS KORE HER ANTIOS IDO SEAP ARTIFAN TOTROSSUNNY AREM MAPP ADD MOMENT UZIS MOE AVENGERS SENT RRR

The MIT Climate Change Conversation Committee Wants to Hear From YOU!!!

Join us at the following Listening Tour locations:
(Lunch or dinner will be provided)

April 13th
12:00-1:00pm
4-237

May 6th
12:00-1:00pm
E62-450

April 22nd
7:00-8:00pm
W20-306

May 7th
5:00-6:00pm
32-155

April 28th
12:00-1:00pm
E25-111

The listening tour is an opportunity for you to share your thoughts on how MIT should address climate change in an open, welcoming environment. Come with ideas, or just come to talk. We want to hear from you.

Open to all members of the MIT community - Join a time or location that works for you.

Call for Nominations

2015 School of Science Teaching Prizes for Undergraduate and Graduate Education

The Teaching Prize for Undergraduate Education recognizes outstanding teaching not only in the undergraduate subjects with large enrollments (such as those that satisfy the General Institute Requirements in science), but also in upper-level science subjects in which enrollments are smaller.

For the Teaching Prize for Graduate Education, preference will be given to nominees who teach mainstream subjects in which fundamental principles of the relevant fields are presented. Such courses typically provide the basis for advanced education and research and prepare students for professional careers.

Nomination letters from either faculty or students are welcome. Letters should indicate the name of the nominee, course taught, and reasons for nomination. Although one strong letter is sufficient, additional letters will strengthen the nomination.

Please submit nominations at http://science.mit.edu/teaching-prize-nomination-form.

Nominations are due May 29, 2015.

For additional information please contact:
Annie Lee, School of Science, 6-131, ayl@mit.edu, 617-253-5951
Bose is pleased to offer special savings for all students, employees and retirees of M.I.T.

Call now to receive savings on most Bose® products, from complete home entertainment systems to solutions for today’s most popular portable music devices.

SoundLink® Mini Bluetooth® speaker
Full, natural sound from an ultra-compact speaker that fits in the palm of your hand. Colored covers available: Blue, Red, Mint, Green, Orange, Gray and Pink.

Audio headphones
Bose sound quality that fits your music — and your style. In a variety of colors. With inline mics for phone calls.

Please direct all inquiries to the "M.I.T. Purchase Program:

1-800-298-BOSE (2673)

Innovation delayed by cuts to funding

MIT report warns that R&D forms shrinking part of federal budget

Two-phase report by the committee will be targeted at philanthropists.

A second-phase report by the committee will be targeted at philanthropists.

OFFICE SPACE FOR LEASE IN CENTRAL SQUARE / CAMBRIDGEPORT

624 sq ft at 585 Mass Ave 1,500 sq ft at 614 Mass Ave
710 sq ft at 620 Mass Ave 3,500 sq ft at 179 Sidney St

For additional information and pictures, please go to www.ValitCommercial.com and select Featured Properties.

Patrick Verbeke Broker KW Commercial Cambridge
Tel 617-230-3638 Email: Patrick@ValitRealEstate.com
“As an international student, I needed help to navigate the financial side of my new life. I opened my first US account, and applied for my first debit and credit cards. That day MITFCU won a faithful lifelong customer.”

-Credit Union member since 2003

Learn more about all MIT Federal Credit Union offers at mitfcu.org.

Have something to say? Write opinion for TheTech!

opinion@tech.mit.edu
MIT students compete in the Boston Marathon

Runners open up about turning the last corner, finding snow-free training routes

By Souparno Ghosh

Running 26.2 miles at a stretch can be challenging. Doing it over a course that literally contains a Heartbreak Hill in cold and rainy weather might seem impossible. But graduate students Roy Wedge, Georgia Lagoudas, and Daniel Rothenberg did just that last week. Following their successful completion of the Boston Marathon, The Tech caught up with them as they shared how they went from desperately seeking a running trail during Boston’s coldest winter to crossing the finish line at Copley Square on Marathon Monday.

Preparation for a marathon typically starts around four months in advance, so runners had no choice but to brave Boston’s most severe winter in memory and seek pockets of snow-free zones to run. For Rothenberg, it was the carriage road on Commonwealth Avenue.

“Even when all the other roads and sidewalks were covered with snow, they did a very good job of keeping the carriage road clear,” said Rothenberg, who is a Course Ph.D. candidate doing cancer research at the Koch Institute. “It seemed like everybody was training out there. Seeing all those runners picked me up as it gave me a sense of community.”

The cold and rainy weather on Marathon Monday wasn’t too kind to runners either, but volunteers worked to ensure that the athletes could give their best.

“The medical volunteers had tons of mylar blankets to hand out to the runners,” said Wedge, a graduate student at CSAIL who was named NEWMAC championship road clear, “said Rothenberg, who is also a Course Ph.D. candidate. "I think I ran my fastest mile through the scream tunnel," quipped Rothenberg, who was running his third marathon. “You can hear them screaming from a mile away. That was probably my favorite part of the race.”

Wedge remembers when he turned the last corner.

“Seeing the finish line was such an awesome feeling,” he said. “You’ve been running for 26 miles or so to reach this thing, and all of a sudden you’re riding on the energy of the spectators cheering almost throughout the course, a stark contrast from her experiences in Houston where there would be pockets of cheer and miles of silence in between.”

Nothing exemplified the enthusiasm of those cheering on more than the Wellesley students.

“Even when all the other roads and sidewalks were covered with snow, they did a very good job of keeping the carriage road clear,” said Rothenberg, who is also a Course Ph.D. candidate. "I think I ran my fastest mile through the scream tunnel," quipped Rothenberg, who was running his third marathon. “You can hear them screaming from a mile away. That was probably my favorite part of the race.”

Lagoudas said that running the final stretch on Beacon Street “feels like you are on top of the world.”

“You realize that you’ve finished most of it and you know for certain nothing can stop you reaching finish line,” she said. “You kind of feel like you are riding on the energy of the spectators at that stage.”

UPCOMING HOME EVENTS

Thursday, April 30

- Men’s Track and Field vs. New England Division III Championship
  - 1 p.m., Steinbrenner Stadium

Friday, May 1

- Men’s Track and Field vs. New England Division III Championship
  - 12 p.m., Steinbrenner Stadium

- Women’s Track and Field vs. New England Division III Championship
  - 12 p.m., Steinbrenner Stadium

Saturday, May 2

- Men’s Track and Field vs. New England Division III Championship
  - 10 a.m., Steinbrenner Stadium

- Women’s Track and Field vs. New England Division III Championship
  - 10 a.m., Steinbrenner Stadium

- Baseball vs. Wheaton College
  - 3 p.m., Briggs Field

- Women’s Track and Field vs. New England Division III Championship
  - 12 p.m., Steinbrenner Stadium

- Baseball vs. Wheaton College
  - 3 p.m., Briggs Field

...by joining the production department at The Tech!

join@tech.mit.edu

Are you a Tetris ninja?

Use your powers for good!