Course 6 employs survey to measure student workloads
Shared course calendar led 6.046 to move exam from packed week

By Ray Wang
ASSOCIATE NEWS EDITOR

Part of a larger institutional re-
spose to student feedback, MIT’s Department of Electrical Engineer-
ing and Computer Science has been collecting data on its students’ workloads since last spring. And the results are starting to take effect be-
hind the scenes.
Professor Rob Miller created a tool to show all main assignments and exams for major Course 6 class-
es. Instructors, after entering their class info, can check for week-to-
week conflicts with other classes. After consulting the tool, Professor Shafi Goldwasser shifted a five-day takehome midterm in 6.046 to another week. A few weeks ago, Goldwasser presented some of the visualiza-
tions that have come out of the data — among them, a week-by-
week graphic of the average amount of time students are spending on courses, a visualization of the most
work-heavy weeks, and a ranking of courses by how much they deviate from their advertised workload.

The data come from weekly sur-
veys.

MIT senior Vo Tien Phong receives a 2016 Marshall Scholarship

Vo Tien Phong ’16 will spend next year studying physics at Cambridge University as a recipi-
et of the Marshall Scholarship. The Marshall Scholarship is awarded to up to 40 students an-
nually and funds graduate educa-
tion at a university in the UK. This year’s recipients were announced Monday.
Vo, who is double-majoring in physics and mathematics at MIT, will pursue an MPhil in physics at Cambridge, and plans to return to the U.S. to complete a physics PhD.

Ultimately, Vo aims to become a professor of theoretical phys-
ics. At MIT, he has taught for the Education Studies Program, and is currently a TA for 8.012 with the freshmen learning community Experimental Study Group.

Vo’s research interests include theoretical condensed matter physics, a branch of physics that seeks to understand micro- and macroscopic properties of mat-
ter, such as the electronic properties of solids, or high-temperature superconductivity. His current research uses quantum mechanical calculations to study electron flows.

Vo was born in Vietnam and currently lives in Pennsylvania. He entered MIT as a Gates Millen-
mium Scholar.

“I am honored to be given the opportunity to join this distinct-
ive community," Vo told the MIT news office. "The collective en-
ergy of this distinguished group of scholars dedicated to knowledge, justice, and humanity will broaden my perspective of the world and our place within it.” —Katherine Nazemii

Unprecedented’ rise in violations prompts police note on scooters, skateboards indoors

The full semester has seen “an unprecedented increase” in the number of people riding scooters or other “wheeled devices” to get around inside buildings on cam-

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Surveys that have been sent out to Course 6 students. For each class, students are asked how many hours they’ve spent that week studying, putting, working on projects, or taking exams. They’re also asked whether they think the work is too stressful, too excessive, unevenly distributed, or causing conflicts with other classes.

Sometimes, it takes a little bit of humor to get students to respond. Goldwasser, who signs each of the emails, once wrote, “All that is necessary for the triumph of evil is for good men and women to not fill out surveys.” Still, roughly 20 percent of students respond each week, according to Goldwasser.

Anantha Chandrakasan, the head of the EECS department, is hopeful about the potential of these changes. “Faculty are eager to support this initiative and committed to improving the student experience,” he said.

It’s likely that the ideas that Course 6 is testing will expand to more of the Institute, possibly resulting in interdepartmental coordination.
Undergrads! Apply now for a $10,000 fellowship to implement a peace building project this summer!

Apply by
Mon, Feb 1, 12 pm

More info: web.mit.edu/mitpsc

Questions?
Email Alison at hynd@mit.edu.
Priscilla King Gray Public Service Center

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HAVE YOU OVERCOME DEPRESSION?

Tell your story in The Tech.

cl@tech.mit.edu
A gathering storm in the cloud

By Keertan Kini

The United States and the nations of the European Union don’t see eye to eye on many topics: the more interesting version of this is that the appropriate minimum usage of alcohol consumption, and the use of the international force being military among them. Yet for several years, one such conflict — on data protection — has grown from a divide into a gulf, and just about two months ago, the bridge connecting the two collapsed.

On Oct. 6, the European Court of Justice (ECJ) struck down the Safe Harbor agreement that governed the transfer of personal information from citizens’ data to the U.S. This provision protected thousands of U.S. technology companies from litigation when operating in Europe, so long as they complied with the provisions in the agreement. Upon its invalidation, all such companies relying on cloud-based services for their storage might now violate European data protection laws. Each member state’s Data Protection Agency (DPA) can now exercise its own authority on the services offered to its citizens. As can be imagined, members of the many affected technology firms and the industry wait with bated breath for the ruling to be clarified and for guidance.

Yet the fall of the Safe Harbor agreement was not entirely unforeseen. The Safe Harbor Framework was not codified in a treaty but was crafted by the U.S. Department of Commerce and the European Commission (the executive body of the EU). It was created in 2000, still in the relatively early years of broad Internet adoption, when just over 400 million people were on the Internet. Today, that figure is over 3.2 billion.

The agreement relied in part upon clarifications of privacy principles detailed in the OECD guidelines. Frequently Asked Questions (FAQ) on some of the communications between the European Commission and the Commerce Department. Thus the agreement was reminiscent of an official contract sealed on the back of a napkin: legally binding but uncomfortable.

The ECJ struck down the agreement because it prioritized “national security, public interest, or law enforcement” above “the protection and enforcement of personal data protection” as fundamental rights. As a result, tech companies currently have four general options. First, they can stop using the cloud and therefore no longer transfer data across the Atlantic, though this option is quite unlikely. Second, companies can ignore the issue and hope that a new agreement will be reached. Third, companies could anonymize all sensitive private information before storing it in the cloud, which may end up breaking the ever-increasing number of services that require identifiable information to function. Lastly, major cloud providers can offer options to store non-anonymized data solely within the borders of the citizens of each country, which imposes technical costs in implementation, physical costs in new data centers, and legal costs in ensuring that the resulting system actually complies with all the subsequent data protection regulations.

As can be imagined, most companies seem to have chosen the second option: waiting for the dust to settle. Yet given that any new agreement requires consensus among the U.S. Commerce Department, European Commission, and all 28 national DPAs, that wait may be extensive. In the long term, however, the fact that these negotiations will stretch on may end up being a boon.

All of the legal factors and business interests arising from the ECJ decision make a deeper truth: this issue is not merely legal, but also cultural. While sentiment may be divided among different member states, it is telling that Google, a poster child for massive data analysis of its users, is referred to in Germany as the disappearing monster. But the legal precedents will stretch on and give way to the long-term regionalism. Therefore, regardless of what legal remedies are used to calm the panic felt by the technology industry, a long-term vision is required. In particular, policymakers should build a flexible framework for future bridges across cultural and legal differences in this area, not managed individually for the present.

So we must ensure that the final agreement is now color-coded, but also a schema that will allow evolution alongside cultural views of privacy and data protection. Otherwise, in 15 years, another storm in the cloud may gather.
By Collin Thackray

After the recent passing of a low pressure system, high pressure over the eastern U.S. will dominate the weather for the end of the weekend, leading to clearing skies and temperatures each day. Low pressure will be in the low-to-mid 50s (°F). The relative humidity will change by a pace of weather from the next part of this week. Next early next week, the chance for any lower pressure system returns.

Let us start with sleep. Rather than wake up frazzled and drowsy from a phone alarm blaring uncontrollably (which for years I have placed across the room to force myself to get out of bed), I now wake up by keeping my window and blinds open. There is a cool breeze that wake up naturally to a fresh morning breeze and gradually rising sun. As the day goes by, I am saved by the playful chirping of two little birds that have taken my sociable open-blinds gesture to heart and established a home on my windowsill.

It can come as a surprise to some to see how the painful eyestrains and headaches that result from intensely staring and prodding at a tiny six-inch screen which, recent studies suggest, most Americans do for an outrageous five hours per day. Time working on readings, posts, or research is dedicated entirely to the activities at hand, and yet the sudden, unexpectedly sharpened the quality of my daily life.

How eliminating the smartphone has simplified my life

By Colin Thackray

The smartphone has become an essential technology for many of us nowadays. Three years ago, I wrote an ominous article in The Tech regarding the number of people whose devices have over their owners, and in 2015 the smartphone added an entire new layer to that. After an outing this summer, I was caught sneakily using my phone under the dinner table and not taking the full attention to the speaker at which point I was hastily called out by a friend. Let us say I was wrong.

The point was spot-on, illustrating my own downfall to the little device. The decision was made to boot the thing to the curb.

Even transitioning from minimal use, going cold turkey is brought to my attention the various regimes in which my dependence had been much too high. Eliminating these dependencies, however, has significantly improved the quality of my daily life.

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Extended Forecast


Tonight: Low of 38°F. Partly cloudy. Winds W 10mph.


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The Tech Thursday, December 3, 2015

The Mit Gilbert & Sullivan Players Present
A Musical Comedy

The Gondoliers
Or The King of Barataria

December 4 - 12
On the Sala de Puerto Rico Stage
MIT Stratton Student Center, 2nd Floor, 84 Mass Ave, Cambridge

Music by Sir Arthur Sullivan
Libretto by W. S. Gilbert

Stage Directed by Anna/Constantia Richardson
Orchestra Directed by David Lina

Benjamin Sauter

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Chabad Student Group

Join the MIT community for a Grand Menorah Lighting with Guest of Honor

President Reif
Thursday, December 10 at 5:00PM
On the steps of the Student Center

Hot latkes • Jelly donuts • Dreidels • Chocolate Gelt
When sleep doesn’t come readily

The first year

Rounding up recipes

By Elaine Lin

Rainey Eyes. Constant yawning. Dodging off in class. These are common side effects of not getting enough sleep. They are also typical characteristics of MIT students.

For MIT students, sleep lies dead last on the priority list. As a first-year student, I’ve had a fairly typical experience with napping. The first step of napping, as any professional napper would know, is to find a comfortable spot. Ideally, that would be my bed. Eventually, I realized that a better spot would be the Dollar Lounge.

In the process of experimenting, I had to find closer napping spots. For MIT students, sleep lies dead last on the priority list. As a first-year student, I’ve had a fairly typical experience with napping. The first step of napping, as any professional napper would know, is to find a comfortable spot. Ideally, that would be my bed. Eventually, I realized that a better spot would be the Dollar Lounge.

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**The Tech Thursday, December 3, 2015**

**Arts**

The Tech Thursday, December 3, 2015

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**TV REVIEW**

**The Man in the High Castle**

Amazon’s new alternative history sci-fi series

By Karleigh Moore

It wasn’t hard to make the decision to spend this past weekend on my couch recovering from Thanksgiving festivities by binge watching a new TV show. The real choice to make was deciding which series I should spend my precious long weekend devouring. Eventually, I settled on Amazon Studios’ new alternate history sci-fi series The Man in the High Castle.

The show is based on a novel of the same name by浆川洋一 (director of Pacific Rim, Terraform) and was a notable performance. The, andsparse, and elegant. The story follows a young girl, Clara Silberhaan (Delfa Wada-Gill), and her mysterious godfather, Drisselmeyer (Paul Coyne), on a Christmas Eve adventure. After Drosselmeyer gives her a beautiful toy nutcracker, Clara dreams of it coming to life and taking her and her godfather to magical lands.

The set and costume design, by Robert Perdziola, are captivating. As Clara and the nutcracker pass through a snow-covered forest to the Land of the Sweets, sparkling snow emanates from the rafters onto their majestic crown prince.

Joe Blake (Luke Kleintank) and Juliana Crain (Alexa Davalos) meet in the Neutral Zone (a lawless area located near the Rocky Mountains) both on missions regarding these puzzling films. The pair serve as our main characters for most of the series, and many episodes are devoted to developing their relationship and many episodes are devoted to developing their relationship.

Despite the strong performances, the show is brought down by the plot, which was slow and obtuse at times. Joe and Juliana spent too much time doing not much of anything in the Neutral Zone (this spans several episodes, and there are only 10 in total). The events and characters’ motivations aren’t explained until the last few episodes, and even then, we’re all but lost in finding the answers (which largely end up uninteresting). The show hints at compelling themes, exploring parallels between the world we know and live in today and the world that could have been had this alternative history unfolded. What does it mean to be oppressed? How much of your freedom are you willing to trade for peace, safety, and stability? These questions and themes are raised, but not explored to their full potential. If the premise of the series appeals to you, I’d recommend watching it and then reading the novel, but if not, I’d go with Syfy or Jessica Jones instead.

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**Ballet Review**

**Boston Ballet’s The Nutcracker: A sure sign of the holidays**

An immaculate welcome to the Christmas season

By Ray Wang

With a beloved score by Pyotr Illich Tchaikovsky, The Nutcracker delights audiences of all ages.

At the premiere last Friday, it seemed like there were more families than at any other ballet. And it’s easy to see why. The Nutcracker is playful and concise (coming in at around two hours), while visually sophisticated and elegant.

The ballet is also filled with humorous moments, often the result of fabulous costume work from Perdziola. Mother Ginger, who appears in the Land of the Sweets, has a comically huge hoop skirt that houses her many children. The magical dancing bear, who appears as a gift of Drosselmeyer, drew laughs from his ridiculous stunts but also praise for his technical skill in a full-body costume.

As long as the Boston Ballet exists, I’m sure they’ll be performing The Nutcracker every holiday season. The timeless classic, with a huge cast of children, is inspirational to aspiring dancers and a necessary tradition for many families. There’s ample opportunity to see it — The Nutcracker runs through Dec. 31.

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The Boston Ballet in Mikko Nissinen’s The Nutcracker.

The man in the High Castle

Created by Frank Spotnitz

Based on a novel of the same name

Premiered November 20, 2015

On Amazon Video

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The Nutcracker

Performed by Boston Ballet

Boston Opera House

Running through December 31

By Ray Wang

Every holiday season, the Boston Ballet adorns its atrium with Christmas trees and festive laurels in preparation for its annual performance of The Nutcracker.

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Premiered November 20, 2015

On Amazon Video
Charles A. Czeisler, Ph.D., M.D., F.R.C.P., F.A.P.S. is chief of the Division of Sleep and Circadian Disorders, in the Departments of Medicine and Neurology at the Brigham and Women’s Hospital and the Baldino Professor of Sleep Medicine and director of the Division of Sleep Medicine at Harvard Medical School. Dr. Czeisler has more than 40 years of experience in the field of basic and applied research on circadian disorders.

For more than a decade, Dr. Czeisler served as team leader of the Human Performance Factors, Sleep and Chronobiology Team of NASA’s National Space Biomedical Research Institute, which is responsible for developing sleep-wake schedule guidelines and related countermeasures for use by NASA astronauts and mission control personnel during space exploration. He led the sleep experiment in which Senator John Glenn participated during the STS-95 space shuttle mission in 1998. Just this year, he and his colleagues at BWH received the NASA’s Johnsons Space Center Director’s Innovation Award in Houston, for designing a new solid state lighting system that is being installed on the International Space Station this year to improve the sleep of astronauts.

Dr. Czeisler’s research is focused sleep, circadian rhythms, health and performance in humans. Of particular concern to Dr. Czeisler is the epidemic of sleep deficiency in our society with its wide-ranging implications for health, wellness, and the economy.

He is chairman of the Board of Directors of the National Sleep Foundation and Past President of the Sleep Research Society. Dr. Czeisler, who has over 275 publications, was awarded an Honorary Fellowship of the Royal College of Physicians, is an elected member of the Institute of Medicine of the National Academy of Sciences and was elected as an inaugural Fellow of the American Physiological Society. He earned his undergraduate degree from Harvard College and his Ph.D. in neuro- and bio-behavioral sciences and M.D. from Stanford University.
DanceTroupe

STEP UP:

Photography by Robert Rusch
THE NTH DIMENSION

PHOTOGRAPHY BY ROBERT RUSCH
Dear MIT students,

This December marks the 75th anniversary of the MIT Annual Fund. Created in 1940 by a group of alumni who banded together in turbulent times to bolster MIT’s mission of research and teaching, the MIT Annual Fund has since enabled generations of faculty and students to push forward the boundaries of knowledge and create entirely new fields.

I am proud of those early alumni who had the foresight to light this fire. And I am proud that MIT has in the intervening years been sustained by the energetic support of so many friends and alumni, and an ever-increasing number of students.

You, the students of MIT, particularly inspire many of our alumni to give back to our community, and so I hope you will join us in celebrating this milestone. This gathering—on the last day of classes—is planned specifically with you in mind.

The support so many continue to give to the MIT Annual Fund not only provides needed resources; it reinforces the notion that we are doing meaningful work that people continue to care about. I couldn’t be more grateful to be part of such a generous and purpose-driven community, and hope you’ll join MIT in celebrating 75 years of dedication!

Sincerely,

W. Eric L. Grimson, PhD ’80
Chancellor of Academic Advancement
Here in the entomology department, we have a simple two-step formula for answering any question: (1) ants are cool, and (2) we forgot the question because we were thinking about ants.

Due to a typo, I initially found a forum for serious Fleshlight enthusiasts, and it turns out their high-end models are also capable of setting trees on fire. They're impossible to use without severe burns, but some of them swear it's worth it.
Smelly Reading Room
Solution, page 9

Instructions: Fill in the grid so that each column and row contains exactly one of each of the numbers 1–9. Follow the mathematical operations for each box.

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>1−</td>
<td>9</td>
<td>26+</td>
</tr>
<tr>
<td>28+</td>
<td>108×</td>
<td>336×</td>
</tr>
<tr>
<td>60×</td>
<td>4−</td>
<td>6×</td>
</tr>
<tr>
<td>12×</td>
<td>23+</td>
<td>3−</td>
</tr>
<tr>
<td>6×</td>
<td>7+</td>
<td>216×</td>
</tr>
<tr>
<td>216×</td>
<td>7</td>
<td>5</td>
</tr>
</tbody>
</table>

Where’s Tonto? by S.N.
Solution, page 9

ACROSS
1 Venerable beer brand
6 Whodunit staple
11 Southern end of I-95
14 See 57 Across
15 Lightly bite
16 Curtain accessory
17 Oversight
18 A dog’s age
19 Typical pass catcher
20 Spa treatment
22 Sly glance
23 Timetable datum
24 Necks of land
25 Early settlers of Iceland
26 Feudal toiler
28 One, in Naples
29 Test pilots’ garb
30 All of a sudden
33 Whodunit staples
34 With 36 Across, conservation career
36 See 34 Across
38 Actor Aykroyd
41 From Kolkata
43 First Mad Men airer

44 Cobbled together
45 NL East player
51 Archaeological site
52 Military outpost
53 FiveThirtyEight blogger
56 Monday Night Raw airing
57 Split hairs
58 Fall from grace
59 “I wanna play, coach!”
60 Potshock shapes
61 Unfortunate
62 Looked frightened
63 Is staggered

DOWN
1 Recital program
2 Price for a promo
3 Evening train amenity
4 Attempt
5 Donut shape
6 Before you know it
7 Surmount
8 “No thanks”
9 Conifer covering
10 Impersonal pronoun
11 Something for nothing
12 Southern state symbol
13 Talk about
21 Encourages
22 Football coach Holtz
25 Timberlake’s former band
26 Out of reach
27 Quick looks
30 Test-version apps
32 Restrained
33 Film with Mickey mangling magic
35 Cable TV service
37 Shining example
38 Talk about
40 Emmy category
42 Prankster
43 Talk about
49 Orange variety
50 River near da Vinci Airport
53 SpaceX client
54 Squander
56 Half pint
Sean Perry, a technical associate at the Picower Institute for Learning and Memory, died suddenly in his hometown of Mattapoisett, Massachusetts, on Monday, Nov. 23. He was 39.

For over 15 years, Perry worked in the laboratory of Susumu Tonegawa, the Picower Professor of Biology and Neuroscience at MIT. As a senior lab member, he was relied on for his expertise in a wide range of subjects, including IT support and data management, immunohistochemistry, molecular biology, imaging and microscopy, and animal handling and management. Perry’s colleagues describe him as a patient and skilled teacher and coach, and say that he was responsible for training new lab members in fundamental skills. Lab alumni from around the world would come to him for advice, they say.

“What struck me most about Sean was that he was a lifelong learner,” Tonegawa says. “Through his own initiative and intelligence, Sean mastered and took on a wide range of crucial roles in the lab, in particular maintenance of the lab’s servers and upkeep of advanced light microscopy equipment. We depended on him greatly these past years. The loss of his intellectual curiosity and kindness will leave an unfilled absence in my lab, and in the lives of those who knew him.”

Originally from Mattapoisett, Perry graduated from Old Rochester Regional High School and obtained an associate’s degree in culinary arts/chef training from Bristol Community College and a BS in biology with honors from the University of Massachusetts at Dartmouth. After spending two years in the Tonegawa lab, Perry spent a year in Amsterdam in the laboratory of Christiaan Levelt at the Ophthalmic Research Institute (now the Netherlands Institute for Neuroscience) before returning to MIT.

Perry excelled in a variety of pursuits outside of work, including power boating, sailing, and fishing. In his first year in the North Atlantic Shark Tournament, he was on the team of the Beagle, which finished in first place. He was also an accomplished competitive marksmen, placing in the top five among New England marksmen in two separate competitions this past year. Perry was a former on-call firefighter in Mattapoisett, and plowed snow for the Mattapoisett Highway Department. His other pastimes included photography, playing piano, working with animals, welding, and metal sculpting.

“In addition to his parents, Diane and Dennis Perry, and his sister, Laura Perry, Perry is survived by his colleague and cousin, Candy Carr, his godparents, Kathy Carr and David Perry, and his uncle, Andy Carr, as well as an extended family of aunts, uncles, and cousins.”

Family and friends will be received on Friday, Dec. 4, from 4:00 to 8:00 p.m. at the Saunders-Dwyer Funeral Home at 50 County Rd. in Mattapoisett. A memorial service will be held on Saturday, Dec. 5, at 9:30 a.m. at the funeral home, with burial following in Cushing Cemetery in Mattapoisett. Remembrances may be made in Perry’s name to a charity of the donor’s choice.

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Sean Perry, Picower Institute technical associate, dies at 39
Fisher, marksman, DIYer recalled as patient, helpful in & outside lab

“Sean knew so much about so many different topics, in and outside of the lab,” says Jennie Young, Perry’s friend and a research scientist in the Tonegawa lab. “People were asking him for advice all the time, on everything from cooking to DIY home improvement projects — and he was always happy to give it. I think everything came so naturally to him that it was easy for him to answer people’s questions or to give advice.”

“Family and friends will be received on Friday, Dec. 4, from 4:00 to 8:00 p.m. at the Saunders-Dwyer Funeral Home at 50 County Rd. in Mattapoisett. A memorial service will be held on Saturday, Dec. 5, at 9:30 a.m. at the funeral home, with burial following in Cushing Cemetery in Mattapoisett. Remembrances may be made in Perry’s name to a charity of the donor’s choice.”

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Attention continuing students:

If you plan to take a subject designated CI-H or CI-HW this spring, you must select it in pre-registration on WebSIS by Friday, January 15 in order to have the chance to be scheduled into it.

For more information, visit enrollmenttools.mit.edu

It's Dangerous to Go Alone!

Take This.

photo@tech.mit.edu
Future buildings and remodels will aim for LEED Gold standard

MIT’s Office of Sustainability gave a set of recommendations Monday that will help MIT set its long term plan for sustainability on campus; one long-term goal of the plan is to bring new and newly renovated buildings on campus up to the LEED Gold standard.

The MIT news office said the plan focuses initially on buildings, stormwater, land management, materials, and making labs greener, and will be implemented over the course of 10 months under the guidance of the Office of Sustainability.

The recommendations were released in concert with the recent announcement of the "MIT Plan for Action on Climate Change," which the Institute issued after a year-long series of discussions.

The plan proposes actions that will reduce the use of energy and water on campus and are expected to be executed in June 2016. The process of executing the long-term plan will be managed by the Campus Sustainability Task Force, which was launched last March.

MIT aims to meet or exceed the most recent version of the national LEED Gold (version 4) certification standard for new campus construction and major renovation. Building E62 (MIT Sloan School of Management) and Building 76 (Koch Institute for Integrative Cancer Research) have already met this criteria.

The recommendations are designed to reduce greenhouse gas emissions at MIT by a minimum of 32 percent by 2030, an amount that was criticized as being too little by the Fossil Free MIT student group.

The plan will encourage decision-makers keep the entire lifecycle of products and materials in mind when making purchases. Labs will focus on better conserving water and other resources and reducing the amount of waste generated. The plans are not expected to reduce the labs’ productivity.

An “Idea Bank” will be launched by the Campus Sustainability Task Force in collaboration with the Office of Sustainability and encourage input from the MIT community. The bank is expected to help to carve out MIT’s vision of allowing the campus to grow in a sustainable way. Similar idea banks were set up for climate change and for the future of education at MIT.

—Anshuman Pandey
90% of MIT students trust that their friend will watch out for them.

Solution to Rotch from page 15

Solution to Dewey from page 15

Solution to Hayden from page 15

Solution to Barker from page 14

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e-mail join@tech.mit.edu

Math MoSAIC Festival!

Explore the intersections between Math and Science, Art, Industry and Culture.

FRIDAY
DEC. 11
10AM - 8PM

SATURDAY
DEC. 12
10AM - 5PM

FREE ADMISSION includes a special Friday evening program with discussions of math in art, culture and society.
Semester review: student athletes shine in fall 2015

Student achievements include a world title, program records

By Souparno Ghosh
SPORTS EDITOR

This time last year, the MIT football team was the talk of the town. Following an unbeaten 9-0 regular season and a thrilling NCAA playoff victory in overtime, the Engineers hogged all the limelight and deservedly so. But just in case if you were wondering if Fall 2015 has been a quieter season for MIT sports, here is what you might have missed.

Program records were broken, Academic All-America honors were earned, and MIT grad student Alexis Sablone won the Women’s Street title at the Skateboarding World Championships in Kimberley, South Africa.

From a heart-breaking loss in the penalties kicks in the New England Women’s and Men’s Athletic Conference (NEWMAC) regular season to the sheer jubilation of receiving an at-large bid to the NCAA playoffs for the women’s volleyball team, MIT athletes experienced a gamut of emotions during the pivotal weekend when MIT hosted the NEWMAC regionals in four different sports.

Here, in our last issue of 2015, we reminisce about some of the incredible achievements of MIT student-athletes this past semester.

Alexis Sablone wins World Championship

Alexis Sablone G won the Women’s Street World Championship at the Diamond Cup for skateboarding in October. Sablone, who has been skateboarding since she was 10, also has two gold and two silver medals to her credit at the X Games.

Men’s soccer has historic season

The MIT men’s soccer team broke numerous program records, including most wins (16) in a season. The team won the NEWMAC regular season title and reached the NCAA Sweet Sixteen, the first time in the history of the NEWMAC conference.

Alexis Sablone, who has been skateboarding since she was 10, won the Women’s Street title at the Skateboarding World Championships in Kimberley, South Africa. Sablone was the leading scorer in program history. On the other end of the field, goalie Luke Amaez ’16 had a stellar season with 13 shutouts that included a period over 550 minutes in which he did not concede a single goal!

Women’s volleyball reaches NEWMAC regional finals

The women’s volleyball team clinched the NEWMAC regular season title and reached the final of the NEWMAC regionals, falling to Bowdoin at the final hurdle.

The Engineers finished with a 30-4 record for the season en route to clinching their second straight regular season title and 17th appearance at the NCAA regionals.

Meghan Gebhard ’17 became the first player in program history to win All-America honors multiple times, and Abby Bért ’19 was named Rookie of the Year.

Women’s tennis goes 10-0

The women’s tennis team won the NEWMAC championship with a come-from-behind victory over Babson to remain unbeaten for the season. Trading 2-4 in thedoubles, the Engineers rallied and descended the boundaries of the court as they rallied and cheered each other on during the entirety of the tournament.

Particularly noteworthy were the enthusiasm and spirit of the team members as they rallied and cheered each other on during the entirety of the tournament. The team’s energy transcended the boundaries of the court and motivated the competitors to fight harder and go further for their teammates. At the end of the day, MIT totaled 46 points, placing second in Division I of the league.

Taekwondo club snatches 2nd place at Cornell tourney

Black belts Tam Nguyen, Renee Zhao take silver, bronze for forms; sparing A-team takes bronze

By Jean Chow
TEAM REPRESENTATIVE

On Sunday, Nov. 8, the MIT Sport Taekwondo Club placed second among Division I teams at the second Eastern Collegiate Taekwondo Conference tournament of the season, held at Cornell University.

MIT showed its strength across all divisions with as many as 32 team members competing with strong performances in an action-packed day of forms and sparring.

The day began with forms (pinmae) competitions, in which choreographed techniques are judged based on grace, power, and precision.

Black belt competitors set the stage, capturing silver and bronze. Team member Tam Nguyen G placed second and Bébee T. Zhao ’18 placed third in the women’s division with a technically challenging form.

In the red belt division, Bu-ben Amaez ’16 took first place in the men’s division, while Yang Dai ’16 placed third in the women’s division. Mitchell Huang ’18 earned a bronze medal in the men’s blue belt division. In the fiercely competitive white and yellow belt divisions, Dong Gil Shin ’16 earned a gold medal in the men’s yellow belt division, while Johan Kotze ’17 claimed bronze.

Gina Yuan ’19 earned a bronze medal in the women’s yellow belt division.

After outlasting performances in the morning of forms competition, MIT kept the energy going in the afternoon sparring sessions.

The men’s and women’s advanced level teams (A-team) displayed a strong performance in sparring. The women’s A1 team comprising of co-captain Andrea S. Guatemala ’16, Ma- ria Alexis G. and Nguyen took bronze, advancing over Cornell A2 before falling to Princeton in a tightly contested match.

In the B-Team (intermediate) competition, women’s B1 comprising of Jean Chow ’16, Dai, and Rachel T. Harris ’17 earned a bronze medal. The team advanced over the Elmira and Penn State teams before falling to Cornell B2 in the semifinal round.

The men’s B1 of Alexei Owusu-Akye ’17, Amaze, and Huang scored solid wins over University of Connecticut and West Point en route to earning a bronze medal.

In the C-Team (beginner) competition, we saw some of our rookies showcase their determination and strength.

The men’s C1 Shin, Cosy Ferrier ’18, and Kotze overcame injuries to earn a bronze medal in one of the largest sparring divisions.

After defeating the Penn State, Corn- nell, Tufts, and Princeton teams, the men fell to the eventual gold medalists West Point C1 in the semifinal round after some very close matches.

Particularly noteworthy were the enthusiasm and spirit of the team members as they rallied and cheered each other on during the entirety of the tournament. The team’s energy transcended the boundaries of the court and motivated the competitors to fight harder and go further for their teammates. At the end of the day, MIT totaled 46 points, placing second in Divi- sion I of the league.

Squash

MIT (7-4) defeated Stanford for the first time in program history, sealing a 5-4 victory. The Engineers also defeated Hamilton College 6-3 but suffered a loss against Colby 7-2 during the weekend of Nov 21-22. Justin Resovio ’19 and Jeffrey Hu ’18 were the only En- gineers to win all three of their matches.

Water polo

Ory Taasman ’16 scored five goals in lead MIT past U.S. Na- val Academy 12-8. The Engi- neers finished in 7th place at the Collegiate Water Polo Asso- ciation Championships.

Women’s basketball

Kara Holinski ’19 scored 23 points as MIT defeated Welles- ley 67-44 to improve to a 2-2 record this season.

Men’s swimming and diving

MIT swept WPI and Bow- doin College by margins of 227- 73 and 195-105 respectively.

Jessica Chen ’18 and Cath- erine Wu ’19 each won two in- dividual events and were part of the relay team that clinched 200-medley.

-Garvin Brown ’28 won three individual events including the 200-fly (1:54.20), 200-back (1:53.97), and 200 IM (1:56.57).

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