Portions of SidPac to close for repairs

Graduate dorm will not accept new residents next school year

By Tushar Kamath

Sidney-Pacific, MIT’s largest singles graduate dormitory, will undergo renovations starting this coming summer to replace the main heating, ventilation, and air conditioning system. As a result, sections of the building will be temporarily closed for re- newal, displacing 370 residents from their rooms to either ends of the dormitory, off-campus, or elsewhere in the graduate dormitory system.

As a result, no new gradu- ate students will be permitted to move into the dormitory until the renovations are complete.

The announcement came in an email to Sidney-Pacific (Sid- Pac) residents this past Tuesday. The next day, Dean of Residen- tial Life and Dining Henry Humphreys and Director of Renova- tions and Renewal Michael Kears called a town hall meet- ing at SidPac where students voiced their frustration.

SidPac residents attending the meeting asked questions ranging from whether seniority- housing points would trans- late to other dorms, to issues of how the renovations will affect utilities.

In the town hall meeting and subsequent interview with The Tech, Humphreys indicated that a few options were available for those displaced graduate students. These residents may choose to stay in SidPac, but must move into a two-bedroom quad suite on another side of the dormitory, necessitating stu- dents sharing the same bedroom.

To some at the town hall, this was the most unsavory option. “When you come back and sud- denly you have another person in your room and that is not go- ing to work... and it’s your room,” said Segall, she said she often says, “In an interpersonal conflict, you own the problem, but you also own the solu- tion.” She tries to help her visitors see the variety of possible solutions and consider both the short-term and long-term consequences. Based on her past experiences, Segall claims that when her visitors realize they are in control, they give themselves the opportunities to make decisions from a more logical perspective.

Segall served as director of the Stony Brook Ombuds Office for 17 years. She also taught graduate stu- dent seminars on conflict manage- ment and leadership development.

She was president of the Univer- sity and College Ombuds Associations as well as the Ombuds Associations before they merged to become the In- ternational Ombudsman Association (IOA). She served as the inaugural president of the IOA in 2006.

Segall said her strongest impres- sion of MIT is the community’s dedi- cation to change the world. In her five weeks here, she said she has met people throughout the Institute in or- der to inform herself about the com- munity’s culture and operations. She says she has been “continuously im- pressed by the openness of continued learning on campus,” and greatly ap- preciates “the harmonization of the arts within the MIT culture.”

While Segall is not teaching the 2014-2015 academic year, it remains a possibility in the near future. MIT’s Ombuds Office is located in 10-231. The Ombuds Office sees a large number of students over the year, in- cluding a significant number of gradu- ate students, as well as postdoctoral scholars and faculty members.

According to the MIT Ombuds, they are able to direct individuals to more resources when necessary. The Segall, Page 11
At least 500 militants killed in US-led strikes in Syria, observer group says

AMMAN, Jordan — Air and missile strikes in Syria by the United States and its allies in the past month have killed more than 500 extremist fighters as well as at least 32 civilians, a Syrian monitoring group said Thursday.

The tally compiled by the group, the Syrian Observatory for Human Rights, provides one of the first measures of the impact of the U.S.-led military campaign against the Islamic State, which has seized territories in Syria and Iraq.

But analysts say the strikes also serve to show that the world’s powers have made little headway for civilians in some areas administered by the Islamic State.

The new death toll suggests that strikes on the Islamic State by the U.S.-led coalition, which began Sept. 23, have hurt the group, which has suffered for the past two years of war, according to activists in Islamic State areas.

The strikes have killed at least 157 members of the Noori Front, al-Qaeda’s affiliate in Syria, which has clashed with the Islamic State while maintaining close ties with main rebel groups seeking to topple the government of President Bashar Assad.

“Among the numbers of extremist fighters killed is likely much higher,” the Observatory said, because the groups cover up some deaths.

North Korea says Kim ordered to engage Washington in a dialogue

SEOUL, South Korea — North Korea said Wednesday that its leader, Kim Jong Un, had personally ordered the release of Jeffrey E. Fowle, an American, after considering requests from President Barack Obama.

Fowle, an Ohio municipal worker and one of three Americans detained in North Korea, had been held for nearly six months because of a misunderstanding, a military plane picked him up Tuesday. He arrived Wednesday in Ohio, where he was reunited with his wife and three children, who rushed to greet his plane when it arrived at Wright-Patterson Air Force Base near Dayton.

Kim recently repeated in state-run news media after a six-week absence, endless speculation about his health and his grip on power. With the statement Wednesday, North Korea appears to make a government image at home as a leader capable of doing a favor for the U.S. president.

Analysts also said the sudden release of Fowle might have been a way in which the North wanted to resolve his case and to engage Washington in a dialogue.

The state-run Rodong Sinmun, North Korea’s first public comment on the circumstances surrounding Fowle’s release. Washington has offered an explanation, except for blaming the Swedish government, which allowed Fowle to enter, for not giving any assurance of his health.

The report was the North’s first public comment on the circumstances surrounding Fowle’s release. Washington has offered an explanation, except for blaming the Swedish government, which allowed Fowle to enter, for not giving any assurance of his health.

Fowle, 36, of Miamisburg, Ohio, was released from prison Tuesday; he had been held at the North Korean prison camp of Wonsan since mid-June.

The Rodong Sinmun quoted as saying: “Kim Jong Un personally ordered the release of Jeffrey Fowle after considering requests from President Barack Obama.”

But the numbers also hint at ways in which the strikes have sought to undermine its political system.

North Korea has released Fowle, an American, after considering requests from President Barack Obama.

By Costa Christopoulos

Severe cold weather gripped New England on Thursday, Feb. 13, 2014, as temperatures dropped below zero and snow fell in some areas.

A cold front moved through New England on Thursday, bringing a sharp drop in temperature and an increase in wind.

Temperatures dropped to about 20 degrees Fahrenheit in many parts of the region, with wind chills as low as 15 degrees Fahrenheit.

A cold front moved through New England on Thursday, bringing a sharp drop in temperature and an increase in wind.

Temperatures dropped to about 20 degrees Fahrenheit in many parts of the region, with wind chills as low as 15 degrees Fahrenheit.

A cold front moved through New England on Thursday, bringing a sharp drop in temperature and an increase in wind.

Temperatures dropped to about 20 degrees Fahrenheit in many parts of the region, with wind chills as low as 15 degrees Fahrenheit.

In the wake of this week’s system, temperatures are expected to remain below freezing for much of the region.

But by Saturday, temperatures are expected to begin to rise, with a warming trend continuing into next week.

The extended forecast issued by the National Weather Service on Thursday, Feb. 13, 2014, shows that temperatures will continue to climb into the upper 40s and lower 50s.

Extended Forecast


Tomorrow: Mostly sunny with a high of 49°F (9°C). Winds gusts to 10 mph.

Sunday: Mostly sunny with a high in the upper 50s°F (10°C).

Monday: Sunny with a high around 60°F (16°C).

UN urges China to allow free elections in Hong Kong

HONG KONG — The U.N. Human Rights Committee urged China on Thursday to allow elections in Hong Kong without restrictions on who can run as a candidate.

The report was the North’s first public comment on the circumstances surrounding Fowle’s release. Washington has offered an explanation, except for blaming the Swedish government, which allowed Fowle to enter, for not giving any assurance of his health.

The report was the North’s first public comment on the circumstances surrounding Fowle’s release. Washington has offered an explanation, except for blaming the Swedish government, which allowed Fowle to enter, for not giving any assurance of his health.

The report was the North’s first public comment on the circumstances surrounding Fowle’s release. Washington has offered an explanation, except for blaming the Swedish government, which allowed Fowle to enter, for not giving any assurance of his health.

The report was the North’s first public comment on the circumstances surrounding Fowle’s release. Washington has offered an explanation, except for blaming the Swedish government, which allowed Fowle to enter, for not giving any assurance of his health.

The report was the North’s first public comment on the circumstances surrounding Fowle’s release. Washington has offered an explanation, except for blaming the Swedish government, which allowed Fowle to enter, for not giving any assurance of his health.

The report was the North’s first public comment on the circumstances surrounding Fowle’s release. Washington has offered an explanation, except for blaming the Swedish government, which allowed Fowle to enter, for not giving any assurance of his health.

The report was the North’s first public comment on the circumstances surrounding Fowle’s release. Washington has offered an explanation, except for blaming the Swedish government, which allowed Fowle to enter, for not giving any assurance of his health.

The report was the North’s first public comment on the circumstances surrounding Fowle’s release. Washington has offered an explanation, except for blaming the Swedish government, which allowed Fowle to enter, for not giving any assurance of his health.

The report was the North’s first public comment on the circumstances surrounding Fowle’s release. Washington has offered an explanation, except for blaming the Swedish government, which allowed Fowle to enter, for not giving any assurance of his health.

The report was the North’s first public comment on the circumstances surrounding Fowle’s release. Washington has offered an explanation, except for blaming the Swedish government, which allowed Fowle to enter, for not giving any assurance of his health.

The report was the North’s first public comment on the circumstances surrounding Fowle’s release. Washington has offered an explanation, except for blaming the Swedish government, which allowed Fowle to enter, for not giving any assurance of his health.

The report was the North’s first public comment on the circumstances surrounding Fowle’s release. Washington has offered an explanation, except for blaming the Swedish government, which allowed Fowle to enter, for not giving any assurance of his health.

The report was the North’s first public comment on the circumstances surrounding Fowle’s release. Washington has offered an explanation, except for blaming the Swedish government, which allowed Fowle to enter, for not giving any assurance of his health.

The report was the North’s first public comment on the circumstances surrounding Fowle’s release. Washington has offered an explanation, except for blaming the Swedish government, which allowed Fowle to enter, for not giving any assurance of his health.

The report was the North’s first public comment on the circumstances surrounding Fowle’s release. Washington has offered an explanation, except for blaming the Swedish government, which allowed Fowle to enter, for not giving any assurance of his health.

The report was the North’s first public comment on the circumstances surrounding Fowle’s release. Washington has offered an explanation, except for blaming the Swedish government, which allowed Fowle to enter, for not giving any assurance of his health.

The report was the North’s first public comment on the circumstances surrounding Fowle’s release. Washington has offered an explanation, except for blaming the Swedish government, which allowed Fowle to enter, for not giving any assurance of his health.

The report was the North’s first public comment on the circumstances surrounding Fowle’s release. Washington has offered an explanation, except for blaming the Swedish government, which allowed Fowle to enter, for not giving any assurance of his health.

The report was the North’s first public comment on the circumstances surrounding Fowle’s release. Washington has offered an explanation, except for blaming the Swedish government, which allowed Fowle to enter, for not giving any assurance of his health.
Canada worries as extremism lures more abroad

By Haydn Santora

In January 2013, stern warnings from the ruble and debris led to a terrorist attack on a gas plant in the Algerian desert. The attack claimed the lives of 34 people, including 28 foreign workers who had traveled far from home to work in the conflict zone. The men had been friends in high school in Ontario, Canada, before they left for Syria in 2011 to join the revolution. They had not been in contact with their families in years. The threat was brought home for Canadians on Monday, when a woman who was a passenger on the plane was killed in the attack. The man who was last killed by the police was shot.

Prime Minister Stephen Harper, who spoke to the nation from an undisclosed location Wednesday, said the attack killed a soldier at a military base and then stormed the parliament building. Mr. Harper has not yet spoken about the incident. The attack was a “grim reminder” of the threat that the country faces, he said.

Harper has been a staunch defender of the effort to destroy the Islamic State group called the Islamic State in Iraq and Syria. Many experts have said that the group is a top priority for Western security agencies, including Canada.

Canada's foreign minister, Chrystia Freeland, said that Canada's independent foreign policy was one of the reasons the group was so threatening. She said that Canada must be prepared to take action to prevent a future suicide attack.

“Canada worries as extremism lures more abroad.”

By By Azam Ahmed

The last time Afghans in the northern province of Kunduz felt so threatened was in 2001, just before President Barack Obama deployed thousands of troops to the country’s border with Pakistan, under the watchful guidance of the United States’ Afghan political and security forces.

The British army, which had long resided in the province, was pushed out of Kunduz after a battle in 2001. The United States had already begun to withdraw its forces from the country, and the Taliban had established a foothold in the province.

In an area that has not been a priority for the Taliban for the past two decades, Kunduz is now being targeted by the group. The men who were killed in the attack on Monday were living in the province’s Archi and Imam Sahib districts, where they had been living since 2010.

Taliban gain strength in Afghanistan’s north

The Taliban have been able to draw on a reservoir of recruits from around the world, according to a government official.

The Talibans have been drawing on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.

The Taliban have been able to draw on their recruitment efforts in the past few months.
See the Light by Fred Piscop

Solution, page 11

ACROSS
1 Wall St. happenings
5 Little bug
9 What some checkers check
14 Made haste
15 Clinton attorney general
16 Domed structure
17 Reunion group
18 Certain truant’s status
19 Picture postcard features
20 Compare favorably with
23 Trip part
24 Slice of history
25 Japanese sliding screen
29 Bows out
32 Creator of Kermit and Ernie
35 Phillips Petroleum merger partner
37 Apt. coolers
38 Software version
39 Not a priority
42 Vivid crayon type
43 N.Y. setting in Aug.
44 Buffer
45 Psychic ability
46 Mr. Clean alternative
48 Quite a spread
49 Ginnie ...
50 Center starter
52 Loves unrequitedly
59 Trite, as a joke
61 Ne’er-do-wells
62 Knock flat
63 Unembellished
64 Source of eye color
65 Inclusive abbr.
66 Century 21 rival
67 Not off
68 Controvers

DOWN
1 Cast weaver’s annoyance
2 Royal paste
3 Slanderous, by definition
4 Email command
5 Mealtime blessing
6 Grammy category
7 Unattributed: Abbr.
8 Divulged
9 Abes in wallets
10 Anxious feeling
11 Pinocchio goldfish
12 Roadside assistance
13 What the USCG may respond to
21 Rabbit chaser of fiction
22 Doesn’t disturb
26 Muffin-cousin
27 Makes keener
28 Name of 23 popes
30 Hobbyist’s knife brand
31 “Ewwww!”
32 Block-stacking game
33 Bullet points
34 French Revolution radical
36 Compliant one
37 Fondue cheese
40 Craigslist postings
41 Ill-suited
42 Voice source
43 Musical with “Valjean’s Confession”
44 Extreme enthusiasm
45 So last year
46 Jam-pack
47 “I love you”
48 Fondue cheese
49 World Cup cry
50 Footnote abbr.
51 Franc’s replacement
52 Initiated, perhaps
53 Appraise
54 Printer’s primary color
55 Sanctified
56 Lifeguard’s skill
57 World Cup cry
Somewhere on the Search for Meaning by Letitia Li

UPPERCUT by Steve Sullivan

Sudoku
Solution, page 11

<table>
<thead>
<tr>
<th>4</th>
<th>8</th>
<th>1</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>8</td>
<td>4</td>
</tr>
<tr>
<td>3</td>
<td>8</td>
<td>9</td>
<td>5</td>
</tr>
<tr>
<td>4</td>
<td>5</td>
<td>9</td>
<td>3</td>
</tr>
<tr>
<td>6</td>
<td></td>
<td>9</td>
<td>7</td>
</tr>
<tr>
<td>3</td>
<td>8</td>
<td>6</td>
<td>7</td>
</tr>
</tbody>
</table>

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.

Techdoku
Solution, page 11

<table>
<thead>
<tr>
<th>30x</th>
<th>144x</th>
<th>3x</th>
</tr>
</thead>
<tbody>
<tr>
<td>1−</td>
<td>12+</td>
<td>2</td>
</tr>
<tr>
<td>4x</td>
<td>20x</td>
<td></td>
</tr>
<tr>
<td>30x</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6+</td>
<td>20+</td>
<td>5</td>
</tr>
<tr>
<td>6x</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.
Sigma Kappa hosted Late Night on Sunday, October 19th at Kresge Auditorium as part of their philanthropy efforts. Various groups on campus competed in the talent show for various awards.

1. Delta Kappa Epsilon.
2. Francis Chen.
4. Nichole Clarke of Pi Beta Phi. They would go on to win the Judge’s Choice Award.
5. Zeta Psi. They would go on to win the top award.
MIT Professional Education

Celebrating

65 YEARS

Short Programs

Est. 1949

Often about 40 classes annually, mostly in summer, involving over 100 MIT faculty members and lecturers. Focus on intensive class work, lab exercises, and discussion of challenges faced by the global community and attention to industry, government, and academia.

Advanced Study Program

Est. 1964

Provides access to regular MIT classes for industry professionals, without requiring entry into degree programs. A global platform in distance and online learning, with programs dating to the mid-1980s, currently serving about 75000 annually.

Custom Programs

Est. 2003

Provides large-scale multi-year custom professional development programs for technical employees of BP, Novartis, Accenture, and other enterprises.

International Programs

Est. 2005

Offers 2-5 day programs in locales from Chile to Singapore to Dubai, for professionals from a diverse range of backgrounds.

Online X Programs

Est. 2014

A major digital learning initiative to provide greater access to MIT expertise for technology-oriented professionals, and give MIT faculty greater exposure to global audiences and issues, particularly in emerging economies.

MIT LIFELONG LEARNING FOR TECHNOLOGY PROFESSIONALS

Since our launch by President Killian in 1949, MIT Professional Education has provided tens of thousands of practicing engineers, scientists, and managers from around the world with professional development programs led by MIT faculty.

As MIT’s gateway to lifelong learning for 65 years, our mission has always been to create two-way lines of communication between the Institute and industry with mutual benefits. Participating professionals learn new skills and perspectives that make them more effective, and our participating faculty members get firsthand frontline insights that inform their research and teaching. Their comments on these pages are powerful testimony to both the value they and the Institute receive.

We’re proud of our heritage and of our success: this past summer we hosted over 10000 Short Program attendees from more than 60 countries. We’re most excited, however, about our next frontier: digital learning and international programs, which are focused on global audiences and issues, particularly in emerging economies. There is great hunger for knowledge in these economies, and they’re also places that our faculty and students are keen to understand better.

Our enduring success is due to the excellence of what MIT as a whole provides — this is why so many accomplished professionals from around the world want to expand their knowledge with us. We hope that you will share our pride as we celebrate the 65th anniversary of our Short Programs and the 50th anniversary of our Advanced Study Programs, and continue pursuing the Institute Mission Statement’s charge “to bring our common knowledge to bear on the world’s great challenges”.

Boo Regehr

“MIT Professional Education is irreplaceable, because it connects me, on a deep and comprehensive level, with leaders and practitioners in industry. The intense weeks of classroom work and discussion allow me to focus my research and educational activities on high-impact targets that are relevant to the world’s needs.”

MARKUS BUEHLER

DEPARTMENT HEAD AND PROFESSOR, CIVIL AND ENVIRONMENTAL ENGINEERING

“I help us as an MIT professor to work with practitioners—an FBI agent who’s in charge of New England’s homeland security, someone in Disney’s security operation. When I talk to my students, it’s not all hearsay from books and articles, but from talking to people about their life responsibilities.”

RICHARD LARSSON

DIRECTOR, CENTER FOR ENGINEERING SYSTEMS FUNDAMENTALS, PROFESSOR OF ENGINEERING SYSTEMS

“We’ve had a summer course on advanced drug delivery systems for 35 years that has trained thousands of people. It’s wonderful to see that so many of these have become leaders.”

ROBERT LANGER

DAVID H. ROCH INSTITUTE PROFESSOR, DEPARTMENT OF CHEMICAL ENGINEERING

GET THE FULL STORY OF MIT PROFESSIONAL EDUCATION at professionaleducation.mit.edu

The programs that make up MIT Professional Education have benefitted tens of thousands of engineers, scientists, and managers worldwide, and I know from personal experience that teaching in these programs is richly rewarding for our faculty. And for the Institute as a whole, the dividends earned over the past 65 years have been tremendous — we’re better connected to the front lines of technology-driven enterprise, and better able to fulfill our mission of disseminating knowledge and effecting positive change. Going forward, the experience and skill of the MIT Professional Educating faculty members, and their collaboration with teams, provide a robust foundation for our work in lifelong learning, and a strategic asset for the entire Institute.

*President Reif was the instructor for the 2007 short program Multiscale Integrated Process Technologies for Microelectronic Fabrication

FIFTY YEARS OF FERMENT

Fermentation Technology, one of the longest-running courses in the Short Program portfolio, was first offered in 1962 and now boasts over 5000 alumni worldwide. While the name has remained constant, the content has expanded to include the latest biological and biochemical advances.

It’s widely known as “Danny Wang’s Fermentation Technology class,” after Institute Professor Daniel I.C. Wang, who took it over in the mid-1980s from his mentor, Professor Richard Marder of the former Nutrition and Food Science Department. Wang continues to direct the class, with Chemical Engineering Associate Professor Kritsada Prather handling teaching duties.

In 1976, the course was offered for the first time abroad (in Zurich, Switzerland), and in 1978, for the first time at an industry site (El Lilly, Indianapolis, Indiana). Since then it has been taught worldwide, and its content adapted into a 1979 textbook, Fermentation and Enzyme Technology (Wiley).

The only years the course has not been offered at MIT were 1964 and 1966. “Those two years off led us to choose this year, 2014, to celebrate the 50th anniversary of Fermentation Technology,” says Prather. “We look forward to what the next 50 years bring”.

Our product families and platforms, course offering, its eighth year, has created a global community of professionals who leverage the curriculum’s concepts in strategy, platform architecture, and design for commodity. Through our social media, alumni and a growing group of engaged companies are connecting, sharing insights, and creating value for their firms and customers.”

OLIVER DE WECK

PROFESSOR OF AERONAUTICS AND ASTRONAUTICS AND ENGINEERING SYSTEMS

“I teach innovation, and innovation is a two-way street. I have benefited a great deal from the interactions with the participants in my professional course — from the innovation landscape changes. I have found my class to be as much a venue for an exchange of ideas as a traditional class.”

SANJAY SARMA

PROFESSOR OF DIGITAL, LEARNING PROFESSOR OF MECHANICAL ENGINEERING

“Our Lean Enterprise course has attracted academics from all over the world, who take the knowledge back to their institutions; many of those people have become colleagues. MIT Professional Education has helped us fulfill our original mission of getting the course material into academic programs.”

CARL WURMAN

FORD PROFESSOR OF ENGINEERING EMERITUS

PROFESSOR EMERITUS OF AERONAUTICS AND ASTRONAUTICS

“Part of MIT’s mission is to provide exceptional educational programs that prepare people to make a difference in the world, whether they’re undergraduates, graduate students, or practicing professionals. We’re proud that MIT Professional Education is carrying out this work in so many avenues and in such innovative ways.”

DEAN IAN WATZ

SCHOOL OF ENGINEERING
José A. Gomez ‘17 is a Course 16 student who grew up in Texas, undocumented. He had dreamed of attending MIT for years, but felt his chances of actually being able to do so were slim.

For Gomez, however, the largest obstacle was not the cost to MIT but no want to go. He grew up knowing that he was undocumented — which shouldn’t be the case — but felt like I have a greater voice because I’m here, and because of that, I should definitely be speaking out more.

Gomez says that he feels safer and more empowered talking about his undocumented status at MIT. “People are more willing to listen to an MIT student who’s undocumented — which shouldn’t be the case — but I feel like I have a greater voice because I’m here, and because of that, I should definitely be speaking out more.”

But he also applied to MIT, his dream school. He wrote about his challenges being undocumented throughout his college career, and his school valedictorian would have also afforded him a scholarship.

Having applied to MIT, he described his dream school. He wrote about his challenges being undocumented throughout his college career, and his school valedictorian would have also afforded him a scholarship.

When he was 17 and in her senior year of high school, Campos tried to apply for federal financial aid through FAFSA. She asked her mom if she had a Social Security number, and her mom told her she did not — her family had overstayed their tourist visas, and she was undocumented. “I didn’t really know what that meant, but the look on her face told me that it was something bad,” Campos said. Her parents had tried to save up money for her future, but lost their jobs in the recession.

Gomez considered entering the public university system in Texas (one of the few states which allows undocumented students to receive state financial aid and pay in-state tuition) as a way to go to college, but he was afraid of applying theOpenGL A.M. Maling—The Tech
Ebola case raises problems for NYC

Patient claims to have made trip around city while symptomatic

By Anemona Hartocollis

The New York Times

New York City’s first confirmed case of Ebola has raised complex logistical issues of how to trace the possible contacts of an infected patient in a city of more than 8 million people with a sprawling mass transit system and a large population of workers who commute every day from surrounding suburbs and states.

By the time the patient, Dr. Craig Spencer, an emergency doctor who had recently returned from Guinea, arrived at Bellevue Hospital Center in Manhattan by ambulance Thursday, he was seriously ill, with a 103-degree temperature and the beginnings of diarrhea, officials said.

Spencer complicated the tracing process when he told health officials that just the night before, he had gone bowling in Brooklyn, making the long trip there from his home in Upper Manhattan by subway and then returning in a car hired via Uber.

It was soon clear that health authorities were worried, as word emerged that they were isolating not just Spencer’s fiancée but also two friends who had been with him in the two days before he arrived at the hospital.

City officials were making plans to provide case managers for every family or person who might need to be quarantined.

New York has some advantage in that it may be able to learn from what happened in Dallas, where two nurses became infected with Ebola after treating the first Ebola patient in the United States, Thomas Eric Duncan, who died of the virus on Oct. 8.

Israel Miranda, president of the union of uniformed emergency medical technicians and paramedics, said Thursday that he was satisfied with the way Spencer’s medical technicians and paramedics handled what happened in his apartment.

Two ambulances responded, and paramedics fully encased in protective suits brought Spencer and two paramedics fully encased out of his apartment.

When the paramedics left the hospital, their suits were sprayed with disinfectant and cut off from hospital, their suits were sprayed out of his apartment.

The ambulance was also decontaminated.

He said the paramedics would have their temperatures taken twice a day for 21 days.

Sothing the fears of those who may have been at The Gutter, the Brooklyn bowling alley Spencer visited, or who might have ridden in a subway car with him could well be more challenging.

Spencer has been isolated in a seventh-floor ward at Bellevue, the city’s main public hospital, that was specially designed to treat highly infectious tuberculosis patients. The unit is locked and guarded, with rooms where health care workers can be decontaminated and cameras can monitor patients remotely.

Segall values Institute’s culture

She sees ‘openness of continued learning’ on campus

Segall, from Page 1

Ombuds Office is also independent of any other organization on campus, and is therefore able to guide visitors through problems impartially. The Ombuds report to President L. Rafael Reif, and may reach out to certain individuals or groups to allow them to resolve conflicts without a public audience.

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.

Please direct all inquiries to the “M.I.T. Purchase Program.”

1-800-298-BOSE

Bose is pleased to offer special savings for all students, employees and retirees of M.I.T.

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

Solution to Crossword

| EDIT | USE | BEM | EAPE | EVER | FRANC | ID | DETROIT | U | E | LE | D | Y | N | Y | IMAGE | MAC | ELOPE | MAND | BELLA | VIS | HALEN | O | PRINCE | TIGERS | 4 | 5 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
|------|-----|-----|------|------|-------|----|---------|---|---|----|---|---|---|---|--------|----|-------|-----|------|-----|------|---|----------|---|---|----|---|---|---|---|--------|----|-------|-----|------|-----|------|---|----------|---|---|----|---|---|---|---|--------|----|-------|-----|------|-----|------|---|----------|---|---|----|---|---|---|---|--------|----|-------|-----|------|-----|------|

Solution to Sudoku

<table>
<thead>
<tr>
<th>5</th>
<th>4</th>
<th>6</th>
<th>2</th>
<th>9</th>
<th>8</th>
<th>7</th>
<th>3</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>2</td>
<td>7</td>
<td>1</td>
<td>3</td>
<td>6</td>
<td>5</td>
<td>8</td>
<td>4</td>
</tr>
<tr>
<td>8</td>
<td>1</td>
<td>3</td>
<td>7</td>
<td>5</td>
<td>4</td>
<td>6</td>
<td>9</td>
<td>2</td>
</tr>
</tbody>
</table>

Solution to Techdoku

<table>
<thead>
<tr>
<th>2</th>
<th>5</th>
<th>3</th>
<th>4</th>
<th>6</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>1</td>
<td>5</td>
<td>6</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>3</td>
<td>6</td>
<td>4</td>
<td>5</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>6</td>
<td>3</td>
<td>1</td>
<td>2</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>5</td>
<td>2</td>
<td>6</td>
<td>1</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>1</td>
<td>4</td>
<td>2</td>
<td>3</td>
<td>5</td>
<td>6</td>
</tr>
</tbody>
</table>

If you feel you are qualified for one of these prestigious awards, please discuss this with your academic advisor or your department head.

October 18, 2014

For further information, contact your academic advisor, and see the following:

http://www.ai.mit.edu/goldwater/ or http://web.mit.edu/engineering/goldwater.html

School of Engineering contact: Victor Duque, Room 1-206, 617-785-3138, victor@mit.edu

School of Science contact: Thomas Fisher, Room 6-123, 617-253-0453, fisher@mit.edu

Even The Tech needs tech support and we’re looking for some. join@tech.mit.edu

Even The Tech needs tech support and we’re looking for some. join@tech.mit.edu
Residents hope to maintain culture

Construction to affect student life with sporadic shutoff of utilities

Sidney-Pacific, from Page 1

are you forced out when someone invades your home?” one resident asked Humphreys.

Students may also be placed in other dormitories in the graduate housing system or find off-campus housing.

“This past year we were at capacity both for single and married graduate housing. We did have availability in Tang this past year, but whether that will occur this coming year, I honestly can’t tell you,” said Humphreys, when asked where the 370 students will relocate.

The housing office will give Sid-Pac residents who decide to stay the option to cancel their housing without penalty at any time. If these students choose to move off-campus at any point after choosing to stay in dorm, their continuing status — the ability to remain in Sid-Pac — will still be maintained.

Those students who move out before the renovations begin will forfeit their continuing status.

For those residents who are not asked to move, the construction may still affect day-to-day life at Sid-Pac. “There will be single-digit, small short term shutdowns... electricity, chilled water, and something like that. We’ll schedule those at the best time for building and with plenty of notice,” stated Matthew Kearns in the town hall.

With issues associated with the renovations have not been fully determined, such as the hours when the construction will take place, when students will have to enter into a four-building lottery if they choose to switch dorms, and what will happen to the current residents’ seniority points if they choose to move off campus. “We wanted to work with the student leadership to answer those particular questions,” said Humphreys in a response to a question regarding accumulating housing points after leaving SidPac and rejoining.

More important to residents, however, was the prospect of losing the community in SidPac. “If there are no new residents coming in during construction year, then you will have no new people that will be able to make that community,” claimed another resident during the town hall.

SPECl and the student government’s biggest concern going forward is to keep the community together during the construction,” said Jenny Wong G, President of the Sidney-Pacific Executive Council, in an email to The Tech. “The culture in SP is very special on campus so we want to preserve it for the future.”

The planned renovations at Sid-Pac most closely resemble last year’s Bexley shutdown. “The key thing that we learned during Bexley is constantly communicating with the group of leaders,” said Humphreys. “I want to make sure we keep rumors down to a minimum... students are already stressed enough about having a project going on.”

Wong reiterated the communication effort from the student government perspective. She said, “There will be a continuing conversation between the administration, the student leadership, and the residents over the next weeks and months as the planning progresses.”

In the interview, Humphreys emphasized maintaining communication with the students affected throughout the process. “We will have as many meetings as we need to make sure that we’re sustainable, “he said. “I want to make sure we keep ru-
mors down to a minimum... students are already stressed enough about having a project going on.”

Wong reiterated the communication effort from the student government perspective. She said, “There will be a continuing conver-
sation between the administration, the student leadership, and the residents over the next weeks and months as the planning progresses.”

In the interview, Humphreys emphasized maintaining commun-
ication with the students affected throughout the process. “We will have as many meetings as we need.”

The community, “claimed another resident that will be able to make that community,” claimed another resident during the town hall.

Sidney-Pacific Executive Council, said Jenny Wang G, President of the

Students may also be placed in other dormitories in the graduate housing system or find off-campus housing.

“We’re seeking to build our forces

JOIN@TECH/MIT.EDU

WE’RE SEEKING TO BUILD OUR FORCES
Institute Double Take

By Ho Yin Au
Staff Photographer

Being out and about during magic hour with a camera — the time right before sunrise and after sunset — is a great way to capture beautiful photos. The light is soft and tinged with warm colors. In the evening, the orange and yellow city lights illuminate the skyline, providing a nice contrast to the blue and purple skies. Everything glows. At 6:30 p.m. on October 8th, 2013, the sun had already set, and the sailboats were returning to dock in the fast waning rays of twilight. It was quite a colorful and serene scene, punctuated by the waning crescent moon. A high aperture and ISO was used to keep as much of the scene in focus as possible. Even though the original was in color, a black and white version was created for a business that wanted a framed 30” by 30” print in their office. The original image was in 3:2, so a simple square crop wouldn’t work without cropping some of the sailboats. I used the content-aware resizing tool in Photoshop to keep the essence of the original image in the new aspect ratio, with the business’s approval.

Aperture: f/8
Exposure Time: 1/10 sec.
Sensitivity: ISO 3200
Effective Focal Length: 45 mm

crowdfund

Supporting community, ideas, and innovation at the source of its inspiration.

Enrollment is now open for MIT’s exclusive crowdfunding resource

To learn more about Crowdfund MIT or to apply to start your own campaign, visit giving.mit.edu/crowdfund
Distinguish Yourself

as a Burchard Scholar

Expand your intellectual and social horizons. Meet with other Burchards and MIT faculty each month for a delicious dinner and seminar on topics of the day. Sophomores and Juniors who have shown excellence in some aspect of the humanities, arts, or social sciences are encouraged to apply. Burchard Scholars can be majors in any department; no preference is given to HASS majors.

Apply at: shass.mit.edu/burchard

Sophomores + Juniors—Apply by November 20, 2014
Men’s soccer defeats Framingham State 2-1

Engineers improve their record to 6-4-4 on the season with non-conference win

By Matt Noonan

For the second straight contest, Sean D. Bingham ’16 and Joshua M. Wilson ’18 each found the back of the net as the MIT men’s soccer team defeated Framingham State 2-1, in non-conference action on Tuesday evening at Maple Street Field. With the win, Tech improves to 6-4-4 overall, while the Rams fall to 4-9-2.

Tech commenced the contest with five consecutive shots, including two attempts directed toward Framingham State goalkeeper Jacob Nichols, which were turned away. Cory Cardeiro capitalized on the game’s next shot — the Rams’ initial shot of the match at 30:19, which provided the hosts with their only advantage of the evening. Cardeiro deposited his sixth goal of the season after he dodged past MIT’s backline on a broken play.

MIT evened the score roughly a minute later when Bingham converted on his second penalty kick of the season at 31:42 for his 11th goal. Wilson capitalized on the Cardinal and Gray’s next attempt at 36:39 by firing home a feed from Bingham for his ninth goal, which provided the visitors with a 2-1 lead at the break.

Framingham State’s defense began the second half blocking back-to-back attempts by Austin E. Freel ’16 and Wilson before the Rams’ offense countered with consecutive shots by Cardeiro and Suhairu Kato that were blocked by MIT’s backline. Cannon also came up with a big stop too as he denied a penalty shot by Bryan DaSilva at 52:14.

MIT outshot Framingham State, 17-11, including 10-3 in the opening session. Nichols finished the match with seven saves, while Cannon registered four stops. Tech also held an advantage in corners, 10-0, with six occurring during the second stanza. Wilson, who led the Engineers and all players in shots, matched a career and season-best with five shots.

Both teams return to action on Saturday, October 25 as MIT hosts Springfield College at 1 p.m., while Framingham State welcomes Massachusetts Maritime Academy for a 12 p.m. start.

UPCOMING HOME EVENTS

Saturday, October 25

Sailing vs. Oberg Trophy 9:30 a.m., Charles River
Women’s Swimming and Diving vs. Charlie Batterman Relays 12 p.m., Zesiger Center Pool
Men’s Swimming and Diving vs. Charlie Batterman Relays 12 p.m., Zesiger Center Pool
Men’s Soccer vs. Springfield College 1 p.m., Steinbrenner Stadium
Football vs. Western New England University 5 p.m., Steinbrenner Stadium
Men’s Water Polo vs. Connecticut College 7 p.m., Zesiger Center Pool
Field hockey falls to Wellesley College, 4-0
MIT drops to 10–2 overall and 5–1 in conference play after the defeat

By Mindy Brauer
DAPER STAFF

A strong second half performance that featured three goals propelled nationally-ranked No. 10 Wellesley College to a 4-0 victory over MIT in a NEWMAC field hockey game on Tuesday night. Natalie Gruet produced two goals for the Blue, which improved to 14-2 on the year and 7-0 in conference play. The Engineers, meanwhile, saw their four-game winning streak come to an end as their ledger dipped to 10-2 overall and 5-1 in the NEWMAC.

The early stages were a back-and-forth affair until MIT strung together three penalty corners and four shots in a six-minute span. Wellesley responded with a trio of penalty corners and two shots on goal before Gruet found the back of the net with 10:48 left in the half. After goalie Paige V. Kennedy ’16 kicked away a shot by Anissa Shridhar, Gruet corralled the loose ball along the far endline and then curled back into the arc where she sent a strike to the near post. The Engineers withstood another surge by the visitors before both sides generated a frantic final minute of action but it did not result in a goal.

Wellesley wasted little time in increasing its cushion as it went up 2-0 after 4:12 elapsed in the second half. On a penalty corner, Courtney Peterson inserted the ball and it eventually made its way to Meghan Peterson whose shot was turned away by netminder Erin Kyritsis. Courtney Peterson then quickly redirected the carom for her 11th marker of the season. The Blue continued to control the action, resulting in Gruet’s second strike of the night. With the ball at the top of the arc, Emily Hamilton sent it through MIT’s defense to the far post where Gruet tipped it in with 26:30 on the clock. Stymied for most of the frame, the Engineers nearly ended the shutout on a quick hit by junior Morgan E. Gulliver ’16 with eight minutes to go but Lucy Hurlock denied the attempt. Wellesley replied by capping the scoring 90 seconds later when Shridhar collected the rebound of Courtney Peterson’s saved shot and slipped it past Kyritsis.

In net, Kennedy tallied seven saves in the first half while Kyritsis closed the game with eight stops. Hurlock, meanwhile, stopped three shots in her second shutout of the season, including a jumping swipe with eight seconds to go.

Both squads continue NEWMAC play on the road on Saturday, Oct. 25. MIT will travel to No. 17 Mount Holyoke College while Wellesley will visit Clark University.

Allison A. Davanzo ’18 spikes the ball during Tuesday’s game against Babson College. MIT won the NEWMAC game 3-1, continuing the winning streak and advancing the team to a 23-2 overall score.