

Major decisions just got more interesting

EECS-Biology major to give foundation in two thriving areas

By Clara Park

The requirements for the new Course 6-7 (Computer Science and Molecular Biology) were recently unveiled on the newly-launched course website, ahead of the April 29 deadline for freshmen to declare their majors. The goal of the new joint major between the Department of Electrical Engineering and Computer Science and the Department of Biology is to provide instruction in the field of computational and molecular biology while also fostering an understanding of both biology and computer science.

Though expertise in both biology and computer science is valuable in research and industry, there are very few people who can satisfy that criterion, according to Christopher A. Kaiser PhD '88, head of the biology department. "A lot of MIT students are interested in getting trained, but the only way they could do that was to double major in biology and Course 6," Kaiser said. "Very few people could actually pull that off."

Course 6-7 was designed to be an equal partnership between the two constituent departments. The joint program between Course 6 and 7 calls for eight subjects (96 credits) from computer science and 7.5 subjects (90 credits) from biology. The requirements include eight of the 14 subjects needed to complete Course 6-3 and 7.5 of the 12 subjects required to complete Course 7.

In addition to having an almost equal

Course 6-7, Page 18

New Course X major allows concentration in ChemEng fields

By Maggie Lloyd
CONTRIBUTING EDITOR

A new flexible Bachelor of Science degree in Engineering as recommended by the chemical engineering department was approved during Wednesday's faculty meeting. According to Course 10 Executive Officer Paula T. Hammond '84, the new 10-ENG degree was designed over the past 2.5 years to allow students to focus on a sub-topic in chemical engineering.

Along with the 12 engineering courses required for certification by the Accreditation Board for Engineering and Technology (ABET), 10-ENG students will be required to take three "foundational concepts" classes, including one Course 10 lab class. The degree also requires four subjects in a chosen 10-ENG concentration. Options for concentrations currently consist of energy, environmental studies, biomedical engineering, and materials design and processing. According to Hammond, this list is subject to change; student feedback will play a role in determining future areas of concentration.

The chemical engineering department already offers three degrees: Course 10 (chemical engineering), Course 10B (chemical-biological engineering), and Course 10-C, an unaccredited Bachelor of Science for students interested in specializing in another area of study while gaining a broad understanding of chemical engineering.

10-ENG Degree, Page 18

Electric engine runs retro Porsche



JASWANTH MADHAVAN—THE TECH

The MIT Electric Vehicle Team displays an old 1976 Porsche fitted with modern electric engines at the 2011 Earth Day Fair. Yesterday's fair featured conservation groups and student organizations promoting eco-friendly policies.

Ambassador Meera Shankar discusses Indian economy

By Michelle E. Szucs
CONTRIBUTING EDITOR

Indian Ambassador to the United States Meera Shankar visited MIT Wednesday to speak about the Indian government's goal of maintaining a high economic growth rate. Shankar's talk came as part of the B&K Securities MIT India Forum, a series of lectures by prominent Indians.

As India grapples with concerns over infrastructure and economic equity, its government plans to drive growth through the services, manufacturing, and agricultural sectors.

Though India has seen great progress in the services industry, the nation's economy is too large to rest on one sector alone. Shankar said manufacturing holds an increasingly important role in India's future, and the country attracts companies to both produce and sell their goods in India. The government is also encouraging agricultural advancements to revitalize that industry.

As India's economy expands, officials must ensure growth is sustainable and fair. Despite a large increase in the size of the middle class, millions of the democracy's

citizens still live in poverty and are marginalized members of society. At the same time, India's infrastructure has fallen behind the level necessary for the country's recent developments. According to Shankar, India is now employing selective government intervention to increase private investment in infrastructure and to ensure that economic growth reaches as much of the country as possible.

Before the 1990s, India's economy focused on equity over growth. In 1991, India began liberalizing its economy by decreasing government control over many domestic industries and increasing its openness to the rest of the world. Combined, these actions sought to increase competitiveness and encourage innovation.

Shankar said that the changes have had a positive impact, greatly increasing the nation's growth rate. The pre-1990s average growth rate of approximately 3 percent per year was infamously termed the "Hindu rate of growth"; since 1997, the country's growth rate has average 7 percent annually. Even during the recent recession, India contin-

Indian Ambassador, Page 15



ELIJAH MENA—THE TECH

Professor Steven B. Leeb '87 holds up the three-foot screw awarded to him for winning this year's Big Screw contest, an annual fundraiser sponsored by Alpha Phi Omega. Leeb is a professor in the Department of Electrical Engineering and Computer Science and teaches 6.115 (Microcomputer Project Laboratory) and 6.131 (Power Electronics Laboratory). All proceeds from the contest, which totaled \$2,629.63, will go to the Pine Street Inn, as chosen by Leeb. As is tradition, Leeb will pass the Institute Screw trophy to the next Big Screw winner in the spring of 2012. For totals raised by all Big Screw nominees, see page 17.

IN SHORT

Graduating students must reserve their regalia by tomorrow to avoid a \$25 late fee. The Coop will be taking orders today in the Student Center

until 4 p.m., and at their Kendall Square location until 6 p.m. today and from 10 a.m. to 6:30 p.m. tomorrow.

The MIT IDEAS competition poster and judging session will be on next Mon-

day, April 25, in Lobby 10 at 7 p.m.

Today is Earth Day! Do your part to keep our planet clean.

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

Lobby 7 design winners announced

The winners of the Lobby 7 Design Competition were publicly announced last Friday. Frederick C. Kim '11 and Kayla C. Manning '11, competing as a team, and Benjamin J. Peters '11 won first place prizes in the undergraduate competition, while Florence N. Doughty G, Nadine M. Volicer G, and Ann C. Woods G won in the graduate section, also as a team. The competition, launched in May of last year, asked students to design creative adornments for the four empty plinths of Lobby 7.

Mark M. Jarzombek PhD '86, Associate Dean of the School of Architecture and Planning, described Peters' design as four dense machines of varying shapes that function by pressing a red button. Kim and Manning's winning design consisted of small, lightweight mechanical birdlike aluminum structures, which Jarzombek

described as clever and dynamic for their nighttime illumination.

The design by Doughty, Volicer, and Woods created an interactive installation that projected words, spoken into the muzzle of their design, around the inside of the lobby's dome. Jarzombek highlighted the amusing quality of their design, calling it "hilarious and fun."

An honorable mention was awarded to Rebecca K. Uchill G and Ana Maria Leon Crespo G for a design that utilized subjects as opposed to objects. With the funding for their design, they hired live performers and engaged artists for a staged event. Bethany D. Patten '11's design also won runner-up among the undergraduates for her vision of hanging installations for the plinths.

—Aparna Sud

A BUDGET, A CALL FOR REFORM

Paul Ryan's proposal is more than a budget. It's also healthcare reform.

OPINION, p. 4

MEET THE MEAT CLUB

The Tech goes inside an mitBEEF "meating." **CAMPUS LIFE, p. 13**

DRAMASHOP GETS IT ON

La Ronde uniquely brings a story of sex to the Institute. **ARTS, p. 10**



VALVE'S PORTAL 2: HUGE SUCCESS

The sequel adds compelling new gameplay elements to the already-solid franchise.

CAMPUS LIFE, p. 12

NYC, THROUGH A FASHION LENS

Bill Cunningham New York peeks into the life of a street photography legend. **ARTS, p. 9**

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Time to put government hands on Medicare

Paul Ryan's proposal is a stealthy bid to fix our entitlement culture

By Keith Yost
STAFF COLUMNIST

Two weeks ago, Representative Paul Ryan (R-Wis.), the chairman of the House Budget Committee, issued a CBO-scored budget proposal that is being called the "Path to Prosperity." The budget, a first of its kind — a unique, comprehensive fix to our debt problem — has caught many in the political establishment flat-footed. This includes President Obama (whose own budget plan looks prodigal in comparison) as well as many Republican leaders who have thought it politically wise to advocate for spending cuts without enumerating what, specifically, should be cut.

In broad strokes, Ryan's plan cuts \$6.2 trillion in spending over the next ten years relative to Obama's proposal and brings the public debt down to 10 percent of GDP by 2050. Ryan borrows much from the Bowles-Simpson deficit commission, but since Ryan is a single Republican — not a bipartisan committee — he has the freedom to go further, both in the level of deficit reduction that he aims for and the degree of detail in his plan.

As a budget, Ryan's plan deserves plaudits for its cuts to non-military discretionary spending and tax reform. The highlights of these cuts are long-overdue reductions to farm subsidies, an end to both the employer-sponsored healthcare subsidy and the mortgage interest deduction, and a much-needed reform of our civil service.

Conversely, the plan deserves brickbats for the two major spending areas that Ryan leaves untouched — military expenditures and Social Security. On military spending, Ryan offers only the cuts that have already been proposed by Defense Secretary Robert Gates. Perhaps Ryan feels out of his element in trying to rein in military expenditures — but if so, he should overcome his reticence. We could save ourselves a good deal of money if we stopped building weapons systems using China as the design-basis threat and instead shifted resources to developing capabilities we might actually use. On Social Security, Ryan bizarrely offers no changes at all; he would do better to apply his usual reform-mindedness and advocate something gutsy, like raising the retirement age to 70.

However, treating Ryan's plan as

merely a budget proposal would be missing the point — Ryan has issued a bold call for healthcare reform and used the budget proposal simply as his medium. And it is here, in Ryan's plan for Medicaid and Medicare, that his ideas are truly revolutionary.

For Medicaid, the government health insurance program for the poor, Ryan proposes a reform influenced by Clinton's successful welfare reforms of the 1990s. Namely, he advocates converting Medicaid into a block grant program, wherein state governments are given a fixed amount of money each year and charged to cut costs on their own.

For Medicare, the government health insurance program for the elderly, Ryan proposes changing the current all-you-

Treating Ryan's plan as merely a budget proposal would be missing the point — he has issued a bold call for healthcare reform and used the budget proposal as a medium.

can-eat system to a voucher program, which gives the elderly subsidies with which to purchase their own private plans. To cut costs, the voucher's value will be pegged to the normal inflation rate, not the medical inflation rate.

Lastly (and unsurprisingly), Ryan proposes scrapping most of ObamaCare. The insurance mandate, the subsidies, the committees to fiddle with costs — all of it would disappear.

As an ardent supporter of Obama's healthcare reforms, I take issue with this last point — ObamaCare may need some tweaking, but to throw it out wholesale would neither reduce government nor make it better. However, Ryan's proposals for Medicaid and Medicare are not just laudable — they rewrite the decrepit social contract of the 1960s and offer the best possible means of putting our fiscal house in order.

Much as when Clinton proposed reform, critics say that the changes would

be cruel and create widespread suffering — they were proven wrong then, and if Ryan's plan is adopted, they will likely be proven wrong again. It is true that Ryan's plan would greatly reduce the amount of resources offered to the poor and elderly for their healthcare. But this is not the same as saying that the healthcare outcomes of the poor and elderly would be changed.

By every indication, U.S. medical spending exists on what we call the "flat of the curve." Each marginal dollar that we spend produces little benefit in terms of health. The best study on the matter is a multimillion dollar experiment from the nonprofit RAND corporation. RAND distributed subjects randomly into groups and offered each group a health insurance program of varying deductibles and co-payments. They meticulously recorded the health of the subjects over time using as many quantifiable dimensions of health as they could identify, including weight and blood pressure. Their finding was that healthcare spending among those who were given the less generous plans was indeed lower than their luckier peers. But across the groups, the medical outcomes were constant — for all their extra consumption of services, those with the all-you-can-eat insurance programs were no better off than their stingier counterparts.

For many countries — particularly those which are fiscally sound — the relationship between government and citizens that Ryan proposes is not new. Rather than offer a wasteful buffet of services, government can empower individuals to make their own decisions and show the good judgment that bureaucrats cannot hope to emulate.

Ryan's proposal is an embodiment of the conservative ideal of government welfare — namely that the U.S. safety net should not be a smorgasbord of handouts, but instead an economical system that encourages individuals to take only what they need and not more. It should not be viewed merely as an accountant's blueprint for bringing our nation back into the black, but as an overhaul of government's role in our society. And until Democrats put together their own vision for a revised social contract, Ryan's plan will remain the sole coherent ideological vision of our future.



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THEATER REVIEW

Dramashop gets it on

Anna Kohler's adaptation of a formerly controversial play is distinctly MIT

By Philipp M. Diesinger
STAFF WRITER

During the past two weeks, MIT Theater Arts and Dramashop presented *La Ronde (Let's Get it On)*, an adaptation of the original play by Austrian author and dramatist Arthur Schnitzler. It was translated and directed for the MIT community by Anna C. Kohler, MIT Senior Lecturer in Theater Arts.

La Ronde explores the sexual morality of the early years of the 20th century by displaying a series of sexual encounters between archetypal characters across all classes of society, showing that sexual desire is a major part of human nature. Schnitzler fin-

Video-recorded performances in *La Ronde* blurred the boundaries between film and theater.

ished *La Ronde* in 1900, but the play was not publicly performed before 1920 due to its content; even then, the work caused major controversy in Europe when first released. However, this controversy also strongly contributed to the play's popularity. Sigmund Freud was a famous supporter of the work, expressing his approval in letters to the playwright — even calling Schnitzler his literary doppelganger. Since then, *La Ronde* has been adapted numerous times.

Each scene in Schnitzler's original work

features a female and male character who are about to have intercourse; consecutive scenes are interlocked by sharing one of the two lovers. The play starts with an encounter between a prostitute and a soldier, then moves on to a scene with the soldier and a parlor maid, an encounter with the parlor maid and a young gentleman, and so forth, passing through all social classes until the circle is closed by an encounter between a count and the prostitute.

Kohler refreshed the original play in several ways to make it relevant for the 21st century and the MIT community. She also spiced it up by adding multimedia elements and a new meta-plot that takes place on the Institute campus. Kohler replaced the 19th century archetypes with 21st century ones to make the play more relatable; for instance, the soldier was replaced with a quarterback, and the parlor maid with an au pair. But Kohler did much more than just modernize the individual scenes and characters.

Part of Kohler's transformation of *La Ronde* into a multimedia experience included integrating video-recorded performances directly into the play, blurring the boundaries between film and theatre. One of the last scenes of the play is an encounter between the theater diva Tallulah (performed by male Jesse D. Triplett '13) and plantation owner Baroni (Gary Wilmes). Wilmes' facial expressions and voice were pre-recorded and directly projected onto a small screen attached to the face of Illan F. Halpern '14 during the play. Halpern — performing nearly blind due to the screen — contributed excellently to the character with gestures and movements that supported the

projection.

Kohler also added video-recorded performances of scenes that were not part of the original play to give *La Ronde* an MIT twist. Her version of *La Ronde* alternates between adapted scenes from the original Schnitzler play and short video-recorded scenes that take place on the Institute campus. The recorded scenes show two college students (played by Lindsay C. Stone '13 and Halpern) making their way across campus. From the beginning they are clearly attracted to each other, but as they make their way across campus, they encounter other students and situations that leave them drifting away into the fantasy world of their desires, working against their original attraction. Their feelings and expectations of each other seem to change constantly. Kohler uses this meta-plot to add an interpretation of Schnitzler's play in the framework of the 21st century. She wants us to "acknowledge that there are dreams and fantasies that need to be fulfilled on a physical level." This need, she says, is very important in times when technological progress has the tendency to keep people apart. "If we don't, we would lose what makes us essentially human," she adds.

The pre-recorded scenes add a more reflective side to *La Ronde*, contrasting with the rest of the adaptation, which is more comedic and incredibly entertaining to watch. It is interesting that, after a century and a couple of sexual revolutions, a play that was originally highly controversial can easily be performed as a comedy today. For instance, when two characters have intercourse, the lights go out, and the actual sex is represent-

**La Ronde
(Let's Get it On)**
Directed by Anna Kohler
April 7-9 and 13-15, 2011
Kresge Little Theater

ed by short pop music pieces adapted to the individual situations. This staging triggered many laughs from the audience.

The MIT version of *La Ronde* turned out very well. The simple but effective set design and costumes give the play a modern touch, strongly contributing to the overall atmosphere without being distracting. Overall, the multimedia elements were very well integrated. The short film screenings covered the time that was required to convert the stage between scenes.

The play drew the majority of its energy from its incredible actors. They made the production extremely enjoyable to watch. It usually takes actors a lot of commitment to their characters to play scenes involving sexual intercourse truthfully. In the case of *La Ronde*, every single one of the ten scenes has this challenge, but the fantastic cast presented a perfect performance. The actors filled their characters with life and passion, making the play very fun for the audience. Kohler's *La Ronde* was a great contribution to MIT's cultural scene and demonstrated the incredible acting potential of the Institute's students.

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-Lisa Schwarzbaum, ENTERTAINMENT WEEKLY

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VIDEO GAME REVIEW

Portal sequel more than still alive

Valve pushes boundaries with *Portal 2*'s characters, plot, and visualsBy Connor Kirschbaum
STAFF WRITER

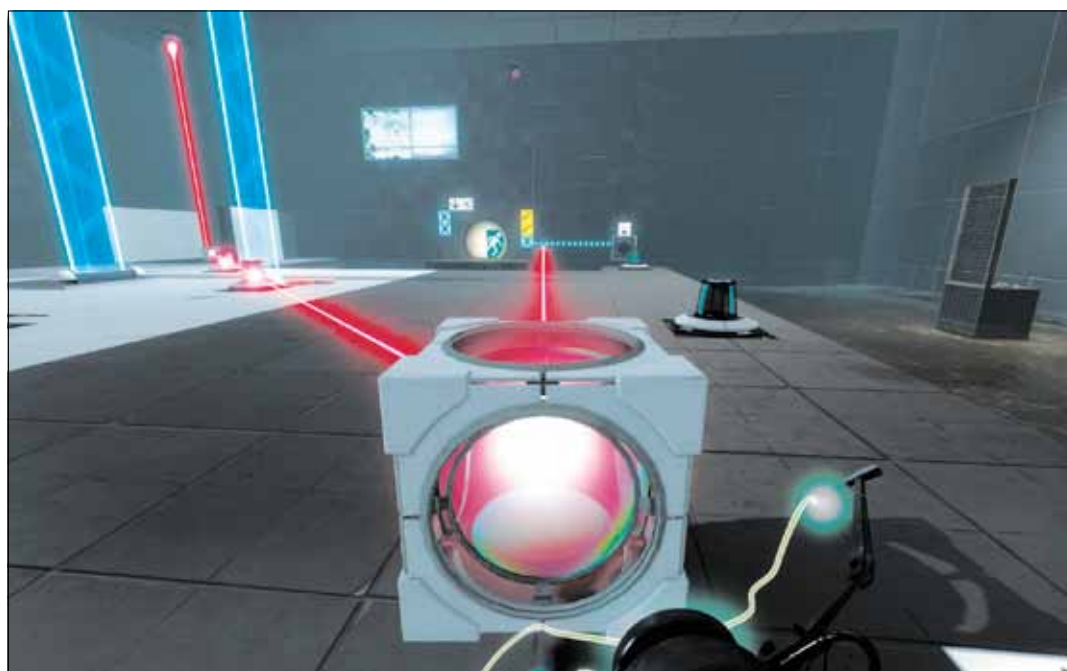
The original *Portal* was released in 2007 to critical acclaim. It was a very short, polished game based on a novel concept — players wield a portal gun that can fire a blue or orange portal onto certain surfaces, and things that go through one portal come out the other, preserving their speed and relative direction. By applying this simple idea in different ways, the player navigated through test chambers of increasing difficulty, all while evading the once-helpful robotic test administrator's attempts to hurt your feelings (and kill you).

It was a groundbreaking game, but by the time Valve, *Portal*'s creator, released extra *Portal* test chambers in 2008, the concept had been stretched to its limit. Not much was known about *Portal 2* before its launch, but one thing that was certain was that it would have to be different from the original on some fundamental levels. And sure enough, *Portal 2* was different from *Portal* — different in all the right ways. *Portal 2* attended to each of the deficiencies of its predecessor, and the result is a truly great game-playing experience.

"Look at you, flying majestically. Like an eagle. Piloting a blimp."

After killing the evil AI — named GLaDOS — in the original *Portal*, the player's character Chell is dragged back into the Aperture Science research facility and put into cryogenic stasis. Hundreds of years later, she is frantically awoken by Wheatley, a chatty spherical robot, to a rapidly decaying Aperture Science facility. He guides her through the facility in search of an escape, but they soon stumble across a still-alive GLaDOS, as promised in her post-mortem hymn from the original game. The game then becomes a panicked rush through the dilapidated facility with the aid of your trusty portal gun, punctuated by an exploration of some previously-sealed chambers from Aperture Science's past. The jaunt through these chambers are accompanied by the prerecorded voice of Cave Johnson, the founder of CEO of Aperture Science, who sheds some light on the history and downfall of his corporation. *Portal 2* tells a story of companionship, identity, betrayal, and science, and it does this very, very well.

Where the original game had you explore various applications of the portal device in depth, *Portal 2* focuses on a variety of new and distinctive game-play mechanics. Many test chambers involve redirecting lasers with special cubes, either aiming them at door-opening switches or using them to light innocent turrets on fire. And in the historical Aperture Science facilities you discover various colored gels, each with a distinct function. Landing on blue "repulsion



gel" allows you to bounce to new heights; moving on orange "propulsion gel" makes you slide forward very quickly; splashing white gel ("ground-up moon dust") on a previously unportal-able surface allows you to place a portal there.

While the gels were novel and made for some interesting puzzles, they were also involved in the more frustrating test chambers. Every other element of *Portal 2* is based on precision — placing specific elements in specific places. The gels were less predictable — if they splatter wrong, you fail. Players will also encounter strips of force-fields (which can be redirected using portals for use as ad-hoc bridges or shields) and columns of light which carry objects (or people) inside them. For the most part these elements were smart additions and resulted in interesting and varied puzzles. It was a little sad to see the beautiful simplicity of the first game go away, but for a sequel that is double the length of the original, it had to happen.

I think we can put our differences behind us. For science. You monster.

— GLaDOS

Portal 2 is not a particularly challenging game. The puzzles are thought-provoking, for sure, but none are so complex or devious that the solution can't be found within minutes of observation and experimentation. The difficulty is comparable to the original *Portal*, but *Portal* came bundled with truly difficult challenge levels, whereas players of *Portal 2* must rely on the co-op mode for additional test chambers. In *Portal 2*'s co-op mode, two players work together, each with their own set of portals, to get through special test chambers designed for partners. It's fun and it's different, but it still can't quite be characterized as "challenging".

The low difficulty is partly because very few parts of the game require quick aiming or reacting.

Portal 2 isn't a game that challenges your dexterity — it's one that challenges your reasoning. This makes *Portal 2* accessible to people who don't have experience with first-person perspective games, but it might leave something to be desired for those who do. This isn't to detract from the quality of the puzzles in *Portal 2*; they are each very well-designed and rewarding. This just isn't a game that will stump you for days — whether that's a positive or a negative attribute depends on the player.

"She has a medical degree. In fashion. From France."

Because there are no cut-scenes, the story of *Portal 2* is administered solely through the characters' dialog. This is where *Portal 2* really shined. The quality of the dialog provided by the game's three speaking characters is unprecedented. Ellen McLain, reclaiming her role as the evil AI

GLaDOS, was particularly extraordinary — though she received critical acclaim for her work in *Portal*, her performance in *Portal 2* made it clear that she had been previously under-utilized. One moment GLaDOS would be making fun of your character's weight and dead parents, the next she would be vulnerably rediscovering her troubled past, and McLain's voice made you believe it. Lines that would have seemed flat and ridiculous coming from a lesser voice actor were genius coming from McLain. She was also able to make use of her background as an opera singer in the form of an eerie sentry turret a capella group that made several appearances (yes, it is as just bizarre as it sounds). Stephen Merchant's voice made the annoying, bumbling, and insecure

robot Wheatley somehow likable as he followed you around on his fixed track. And J.K. Simmons, whose distinctive voice you can probably remember from his role as J.J. Jameson in *Spiderman*, introduced you to Aperture Science's history through a series of voice recordings. His parts were predictably gruff and funny, but more notably they could be morose. It was impossible not to get attached to his character, despite his never interacting with the player directly.

Each of these voice actors brought their robotic characters to life with the help of brilliant, funny writing. There are so many clever lines, not just in the prominent character interaction, but also in the fleeting remarks the characters make as the player is waiting in an elevator or opening a door. It would be easy to take the superb writing and acting for granted, having played the original *Portal*, but such attention to the narrative portion of a game is rare in the game industry these days. These three non-human characters were more emotionally investing than the fleet of chatty human characters present in most modern RPGs.

"Do you see one that says 'escape pod'?"

Visually, *Portal 2* is impressive. The monotony and sterility of the visuals in the original *Portal*, which worked well to create a claustrophobic atmosphere, would have been too depressing and boring in a game that is twice as long. Instead we get large, open chambers with a much greater variance in color and scenery. We are also given many opportunities to break out of the controlled testing chambers and to enter the deep innards of the facility, where there are plenty of memorable sights: an enormous vault full of sinuous tubes, whisking hundreds of cubes throughout the facility; the inside of a narrow cylinder of an indeterminable height, coated



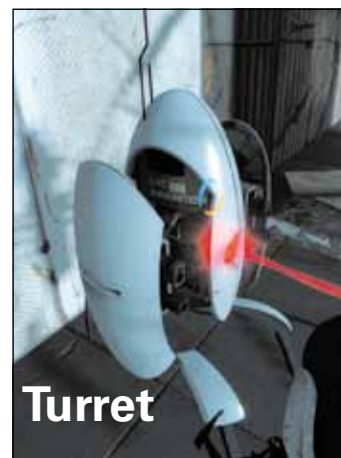
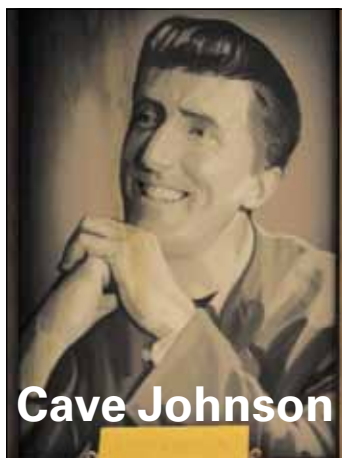
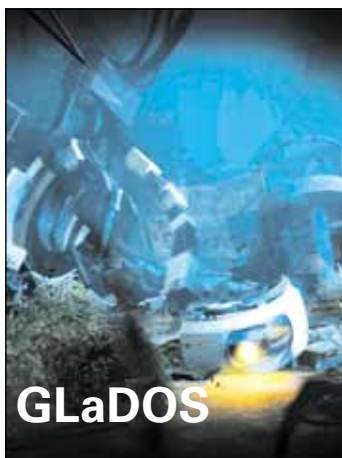
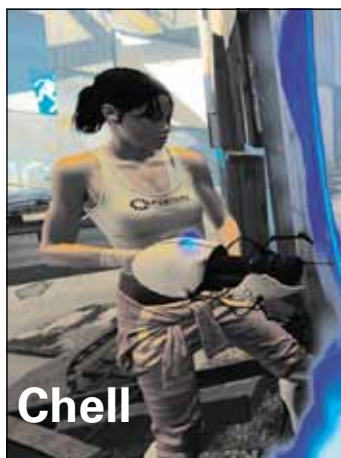
with thousands of different-colored levers ("Do you see one that says 'escape pod'?" nags Wheatley); walls that have crumpled away which allow you a glimpse of the true immensity of Aperture Science, making escape seem even more hopeless. It just never gets boring.

The soundtrack accompanying the dizzying visuals of *Portal 2* is flawless. While the first *Portal* used almost entirely dark, ambient notes in the background, this game mixed in plenty of faster electronic beats, similar to the music that only appeared during the short climactic battle of the original game. The music was varied and interesting without being distracting. It went a long way towards making even the slower-paced portions of the game feel engaging. The soundtrack was especially impressive when it synced up with the player's actions — when Chell makes a harrowing jump or darts through a series of "crunchers," a series of quick, urgent pings are incorporated into the existing background music to correspond with her movement. It makes action sequences, in which you still have full control of your character, feel almost cinematic.

The high point of the game was its ending. Though the fight at the end was a little too similar to the one from *Portal*, the events surrounding the fight are unique, shocking, and satisfying, incorporating many small details of the game that you had most likely assumed were inconsequential. Apart from the final ending sequence, there are only around five seconds near the end of the game where players don't have control of Chell's perspective, and Valve makes such good use of those seconds — it is truly a mind-blowing finale. Of course *Portal 2* had to end with a song (two songs, really), and they didn't disappoint.

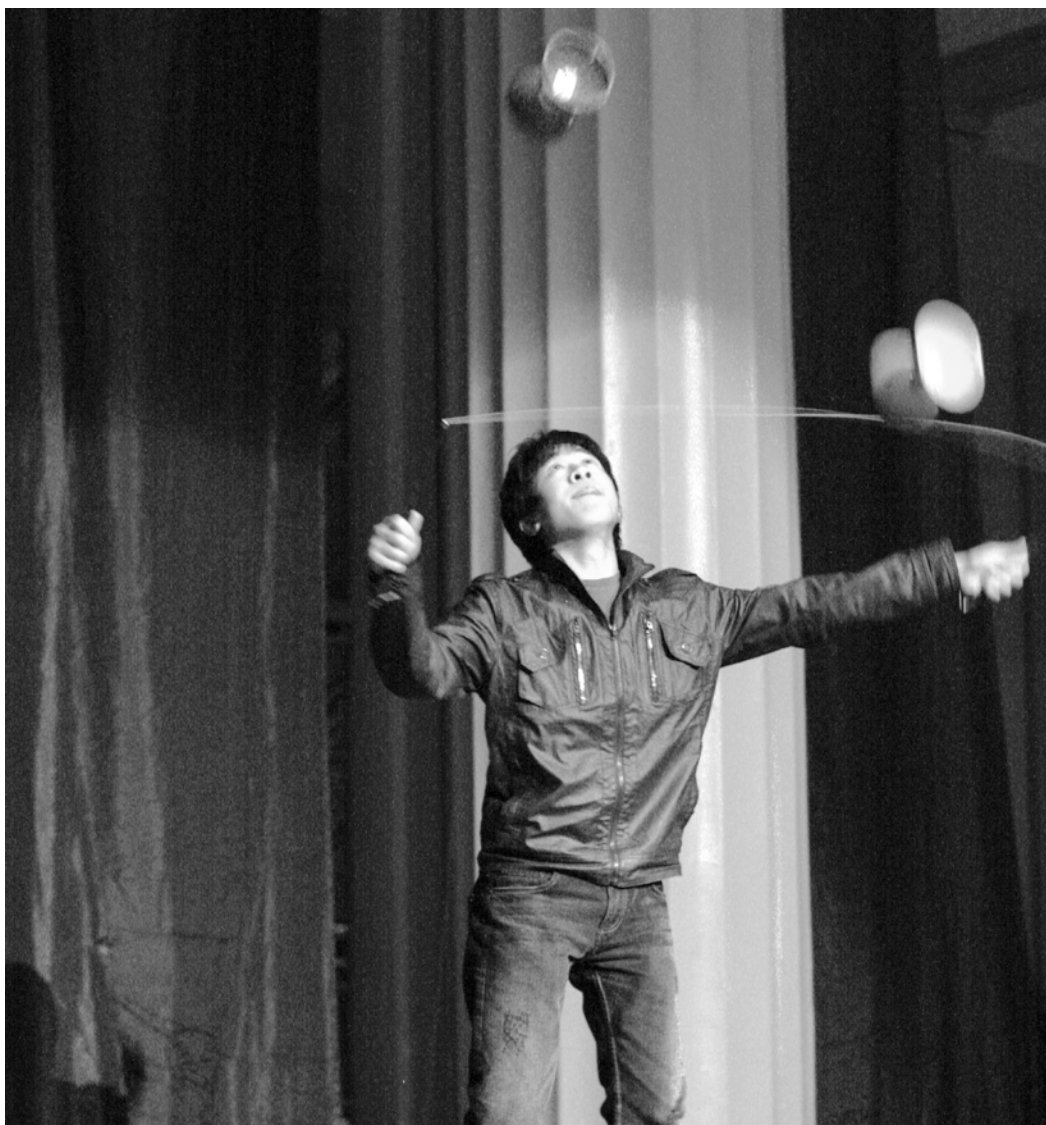
Portal 2 is available as a PC/Mac download at <http://store.steampowered.com> (\$49.99), and for the Xbox and PS3 (\$54.99).

Meet the characters:

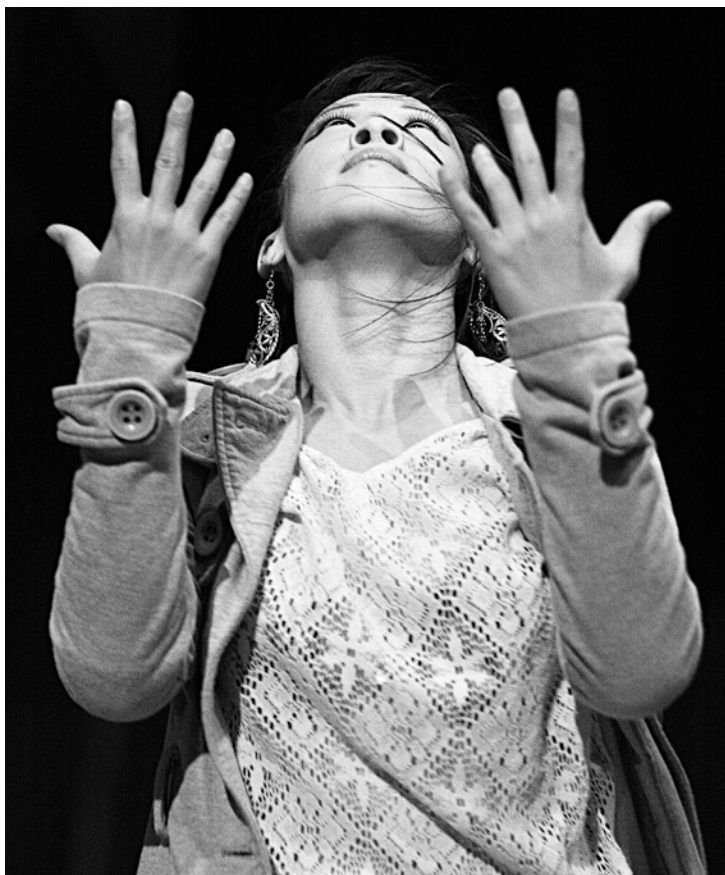


ALL PHOTOS COURTESY OF VALVE CORPORATION

Hip-hop and Yo-yos



NICHOLAS CHORNAY—THE TECH
(above) "BU's Got Talent" winner Brian Shih (BU '12) demonstrates mastery of the Chinese Yo-yo at the 13th annual Grains of Rice, a celebration of Asian culture hosted by the MIT Asian American Association last Saturday evening in Walker. Other acts included the Harvard Wushu team, singer Joanne Y. Shih '10, and Kaba Modern, an energetic hip-hop dance group from Irvine, Calif., who placed third in the first season of America's Best Dance Crew.



(left) Kaba Modern, a hip-hop dance crew from Irvine, Calif., performs at the 13th Annual Grains of Rice, a celebration of Asian culture hosted by the MIT Asian American Association last Saturday evening in Walker. The group placed third in the first season of America's Best Dance Crew.

NICHOLAS CHORNAY—THE TECH

EVENTS APR. 22 – APR. 25

FRIDAY

- (10:00 a.m. – 5:00 p.m.)** iFair, sponsored by the International Students Association — Kresge Oval
- (12:00 p.m. – 1:00 p.m.)** Good Friday service with reading of the Passion, sponsored by the Lutheran Episcopal Ministry — MIT Chapel
- (12:00 p.m. – 1:00 p.m.)** Emerson Scholar Student Recital: Emily L. Jackson '11, flute — Killian Hall
- (3:00 p.m. – 4:00 p.m.)** Good Friday service — MIT Chapel
- (3:30 p.m. – 5:00 p.m.)** Making MAJOR Decisions: What you need to know about yourself when choosing a major — 4-145
- (5:00 p.m. – 6:00 p.m.)** Emerson Fellow Student Recital: Adrianna L. Tam '11, mezzo-soprano — Killian Hall
- (7:00 p.m. – 1:00 a.m.)** Steer Roast Music Festival — Senior House
- (8:30 p.m. – 11:30 p.m.)** Dhoom, MIT Sangam's dance party — W20 Lobdell

SATURDAY

- (9:00 a.m. – 12:00 p.m.)** LIVERight 5K Run/Walk — Memorial Drive (Dorm Row)
- (10:00 a.m. – 2:00 p.m.)** Course 5 2011 Undergraduate Research Symposium — 56-154 (10:00 a.m. – 12:00 p.m.), 56-114 (12:30 p.m. – 2:00 p.m.)
- (2:30 p.m. – 5:00 p.m.)** Emerson Scholar String Student Recitals — Killian Hall
- (6:00 p.m. – 9:00 p.m.)** Inspirasian: Boston Asian Performing Arts Festival — Kresge Auditorium
- (8:00 p.m. – 11:00 p.m.)** MIT Muses Spring Concert 2011: "Elevator Music" — 6-120
- (8:30 p.m. – 9:30 p.m.)** Holy Saturday/Easter Vigil Mass — MIT Chapel
- (9:30 p.m. – 11:00 p.m.)** Easter Party — W11

SUNDAY

- (4:00 a.m. – 6:00 a.m.)** Easter Sunrise Worship Service — E62 Courtyard
- (6:30 a.m. – 8:00 a.m.)** Easter Breakfast — E62 Dining Hall
- (9:30 a.m. – 10:30 a.m.)** Easter Mass — W15

MONDAY

- (6:00 p.m.)** Comparative Media Studies 13th Annual Media Spectacle — 32-155
- (7:00 p.m. – 8:30 p.m.)** Democracy in the Middle East? A talk followed by a Q&A session — 56-154
- (7:00 p.m. – 8:30 p.m.)** Is Eating Meat Ethical: PETA VP Bruce Friedrich vs. MIT Debate Team — 10-250

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Infrastructure, equity main challenges for India

Indian Ambassador, from Page 1

ued to post high growth rates. "India is one of the economies that has emerged relatively unscathed from the crisis," Shankar said.

A three-pronged approach

Shankar said India's current economic reliance on services, manufacturing, and agriculture can be thought of as "building the economy on three legs, with each leg playing its role in balancing the Indian economy."

India is perhaps best known internationally for its service industry. The information technology sector, in particular, was one of the fastest-growing segments of India's economy after liberalization in the '90s. Shankar said industries like IT took off so quickly because they barely rely on infrastructure, instead drawing their expansion potential from human capital. However, Shankar emphasized that the country cannot skip over the industrialization process characteristic of developing nations and jump straight to a service-based economy. She hopes the nation can renew its focus on real technological advances over wage arbitrage.

India's manufacturing sector has changed significantly in the past two decades. "When we opened up the economy [in the 1990s], we found that a lot of our companies really went under," Shankar said. She said this was because of the protectionism from which those companies had benefited in the more closed economy. "Some industrialists complained, saying 'you are forcing us to run before we have learned to walk,'" Shankar explained.

Since this shaky start, India has emerged as a prime market for a number of industries. The price-sensitive nature of India's domestic market encourages companies to produce inexpensively if they intend to sell to thrifty Indian consumers. Pharmaceuticals, chemicals, and small, fuel-efficient cars are the primary industries that are taking advantage of India's manufacturing climate.

In the realm of agriculture, Shankar said that India's focus is on fostering the next increase in productivity. She said that the industry could be vastly improved by increasing the competency of the food processing system; currently, vast quantities of produce are wasted because they aren't processed correctly and efficiently. Agriculture as a share of GDP is decreasing, but the government still intends to encourage innovation in the sector.

Emerging challenges

In order to foster long-lasting prosperity, India must ensure its infrastructure is strong enough to serve a vibrant, growing economy while also ensuring all members of society are able to participate in economic growth, said the ambassador. Shankar said that India's infrastructure is inadequate because it has not kept pace with economic development. Infrastructure will require almost a trillion dollars of investment over the next decade, and the government is devising incentives to draw as much of this money from the private sector as possible, she added.

Success is already visible in the telecommunications industry. Shankar said citizens have many service providers to choose from and that the rates and quality of service are some of the best in the world. "This connectivity is making a huge difference to people at all levels of the economy," she added.

Airports and seaports are also seeing progress, with new developments and renovations to existing facilities funded primarily by public-private partnerships. Though Shankar stated there is still considerable work to complete, she remains optimistic that this type of development "will provide an en-

gine of growth in the Indian economy for several years to come."

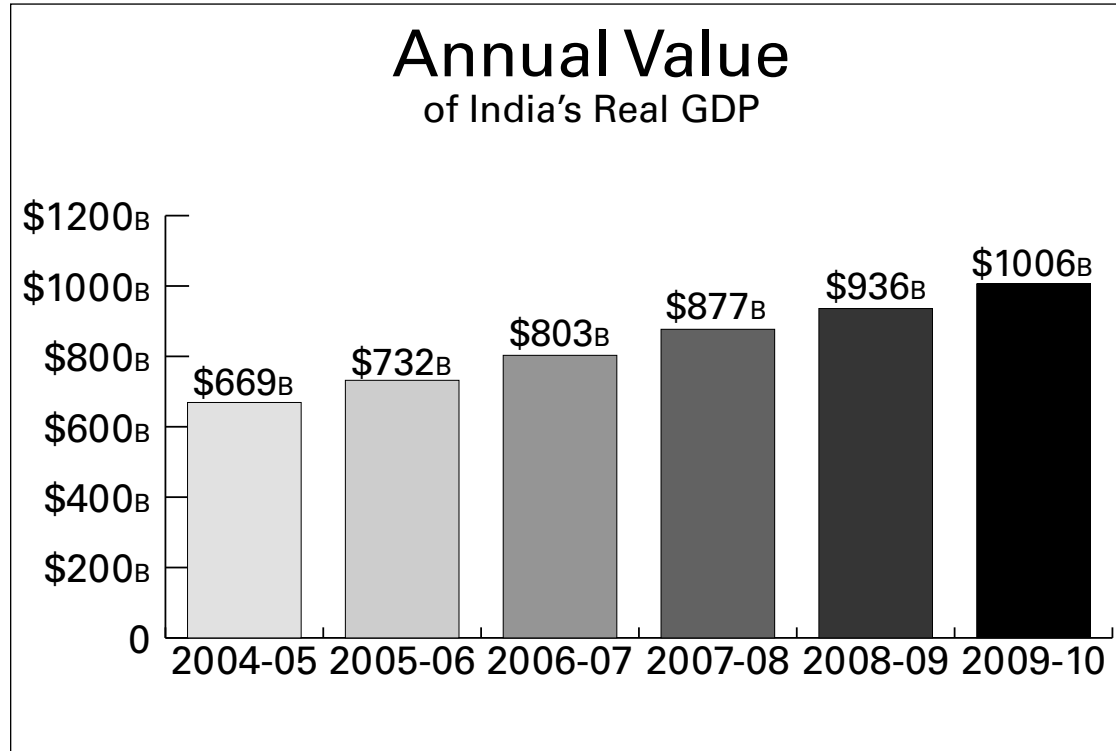
The electric power industry remains a source of concern. Though the private sector has recently begun investing in power, previous efforts to procure foreign direct investment in the industry were largely unsuccessful, and power shortfalls are not uncommon.

One method of encouraging private infrastructure development is viability gap funding, which uses government subsidies to make profitable ventures that would oth-

erwise be uninviting to private investors. Shankar said that viability gap funding is awarded on a case-by-case basis and covers up to 25 percent of the cost of a project.

Infrastructure limitations also contribute to India's second major challenge — ensuring that all economic players are afforded equal opportunity to actively contribute to the economy. Rural areas are often cut off from the economic developments of major cities, so extra measures must be put in place to ensure the vitality of these communities. Class divisions also impede full economic progress, and the government is searching for a balance between liberalization and equity. All of these objectives must be undertaken democratically, with the goal of satisfying all stakeholders, said Shankar.

One of the government's major goals for economic equity is providing a social safety net in impoverished rural areas. The Indian government has established the National Rural Employment Guarantee Scheme, which guarantees 100 days of work each fiscal year



India's real GDP has grown significantly since 2004-05, and the average rate of growth since then has been over 8 percent annually. Though GDP growth decreased somewhat during the recent economic downturn, India still posted large increases.

SOURCE: RESERVE BANK OF INDIA

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sustainable.

Providing adequate, standardized education to such a large nation has also been a challenge. India is currently working on expanding and improving the Indian Institutes of Technology, which consist of fifteen elite technical universities. The government plans to build a "knowledge network" of colleges and libraries to consolidate information. The hope is to one day extend this network of resources to the village level, where primary education can benefit from having proven educational standards.

All of these transformations must take place "within the framework of a very robust democracy," Shankar said. Affirmative action has played a large role in ensuring that all members of Indian society are adequately represented. Though India's Constitution formally abolished the caste system over 50 years ago, prejudice and poverty remain significant barriers for a large portion of the population. About one fifth of the seats in Parliament are reserved for those

who would have been considered "untouchables" — the people on the lowest rungs of the caste system. Shankar said that this measure has led to a much broader political base for the democracy.

Indian states are also being granted greater economic decision-making powers. Though this change has led to competition among states, the hope is that a "demonstration effect" will allow struggling states to learn from their more successful neighbors. In the future, decentralization can be ex-

fighting a "backlog of poverty" — a poverty issue that has been compounded by further poverty — that makes extending development to all areas of the country difficult. This is why, according to Shankar, the government is pursuing social programs.

However, she disagreed that India's liberalization and subsequent growth has been harmful. Before 1991, Shankar said, the economic pie was not increasing significantly and the slice for each person was getting smaller. A more market-based system increases opportunities for people at all levels of society and can be very effective if coupled with proper government intervention.

On the topic of corporate responsibility, Shankar said the government was dealing separately with regulating businesses and compensating victims of disasters. India isn't as experienced as the United States in writing legislation and contracts, and Shankar said her country needs to develop the ability to protect its interests and the interests of its people. She said the media has also improved the situation by taking on an expanded watchdog role.

Another broad concern is the monetary implications of high growth. Inflation was a concern amid a food scarcity resulting from the harsh 2009 monsoon; Shankar said food prices have begun to drop again but they need to fall faster to make food affordable for the poor. The reserve bank has raised interest rates, and legislation to ensure food security in times of high inflation is being considered. Shankar feels high growth is sustainable because of India's high savings rate — between 34 and 36 percent — and because of India's significant under-25 population that can power infrastructure renewal in the coming years.

Overall, Shankar feels the India of today is a rich country, combining aspects of poverty with elements of high development. This dichotomy places India in "a unique position globally to act as a bridge between different countries in different stages of development."

Shankar is optimistic about India's future: "If India can sustain a growth rate of 8 to 10 percent ... I think India will become one of the three largest economies globally — not just in purchasing power parity terms, but in absolute terms."

Because of India's potential future as a major world economic power and its current position as a democracy at the crossroads of poverty and industrialization, India is a nation to watch closely. Shankar quoted a favorite saying of Indian Prime Minister Manmohan Singh: "It's not just India that has a stake in India's success — the whole world has a stake in India's success."

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Schedule of Events

11:35 am - 11:55 am : AID MIT

12:00 pm - 12:20 pm : Middle Eastern Dance Spouses & Partners

12:30 pm - 12:40 pm : Colombian Student Association

12:45 pm - 12:55 pm : Bulgarian Club

1:10 pm - 1:25 pm : Techiya

1:30 pm - 1:50 pm : Hellenic Students' Association

1:50 pm - 2:00 pm : Turkish Student Association

2:50 pm - 3:00 pm : Falun Dafa Club

3:05 pm - 3:20 pm : MIT Ohms

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***The Army Lab provides the intern's salary, which typically ranges from \$2280/month to \$2864/month depending on class year. Under certain circumstances the ISN can provide the intern with a supplement of up to \$1500 to defray costs of local accommodations and travel.**



STEVE HOWLAND—THE TECH

On Sunday, April 17, 20 teams participated in Zeta Psi's "Dine & Dash" event to raise money for the Red Cross Pacific Tsunami Relief. Teams consisted of four runners, each of whom had to run a lap of the outdoor track, eat a cheeseburger from UBurger, and run another lap. The top finish was Phi Sigma with a time of 18 minutes 24 seconds. Zeta Psi raised \$2,650 at the event. Fraternities, sororities, and clubs came out in support of the event, some humorously. The MIT Drama Club carried a giraffe as they ran, and members of the Aero-Disastro Course 16.5 Club juggled and unicycled their way around the track.

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Steve Leeb wins Big Screw; proceeds to go to Pine Tree Inn

Nominee	Charity	Total Raised
Steve Leeb, Professor of EECS	Pine Street Inn	\$1,375.81
Craig Carter, Professor of Materials Science	Camp Kesem	\$413.11
Pavel Etingof, Professor of Mathematics	American Cancer Society	\$221.90
Dean Colombo, Division of Student Life	Loaves and Fishes	\$191.43
Michael Yaffe, Professor of Biology	American Red Cross relief efforts in Japan	\$64.22
2.006 (J.G. Brisson, Anette E. Hosoi)	MassBike	\$61.32
Julie Norman, Director of Undergraduate Advising	Leadership Training Institute	\$59.18
David Jerison, Professor of Mathematics	AmeriCares	\$46.71
Susan Lanza, Course 9 administrator	Make-A-Wish Foundation	\$36.25
2.005 (Cullen Buie, Jacopo Buongiorno)	American Red Cross relief efforts in Japan	\$33.79
Alexander van Oudenaarden, Professor of Biology	Save the Children	\$32.65
Muriel Medard, EE/RLE Professor	Soldiers' Angels	\$25.80
Kit Cummins, Professor of Chemistry	HomeStart	\$19.48
Albert Meyer, Professor of EECS	ACLU Foundation	\$16.18
James Roberge, Professor of EECS	Make-A-Wish Foundation	\$13.80
Alexander Mitsos, Professor of Mechanical Engineering	Big Sister Association Greater Boston	\$9.00
Charles E. Leiserson, Professor of EECS	Museum of Mathematics	\$9.00
TOTAL		\$2,629.63

From April 4-8, APO collected over \$2,600 in the annual Institute Screw Competition fundraiser. Steven B. Leeb '87, Professor of Electrical and Mechanical Engineering and a MacVicar Faculty Fellow, took the top spot, raising \$1,376. All Big Screw proceeds will be donated to Leeb's charity of choice — Pine Street Inn, a homeless shelter in Boston. Organizers also raised C\$0.07, €0.02, 1000 Korean won, and a copy of a drop form for 18.100B.

Solution to Crossword

from page 6

D	E	B	R	A		N	I	H	I	L		I	S	M
U	S	U	A	L		O	Z	O	N	E		T	E	A
D	A	N	G	E	R	M	O	U	S	E		O	L	D
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A	N	T		L	O	S	T	I	N	S	P	A	C	E
R	C	A		E	N	I	D	S		T	I	L	T	S
P	A	L		D	E	N	S	E		O	C	T	E	T

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Coop Student Board of Directors Election Update

The following student Coop members are candidates for the Board of Directors for the 2011-2012 academic year.



MIT Undergraduate Students:
Elizabeth Burton, 2012
Paige Finkelstein, 2014
Christopher Yoon, 2012

MIT Graduate Students:
Lorenna Buck, PhD, 2012
Paul Romano, PhD, 2012

Harvard Undergraduate Students:
Cody Dean, 2014
Philip Harding, 2012
Melissa Oppenheim, 2012
Caroline Quazzo, 2012
Jillian Smith, 2014
Aixin Wang, 2012

Harvard Graduate Students:
Eugene Anthony, M Div., 2012
David Carvel, MBA, 2012
Christofer Garner, MBA, 2012
Sonia McNeil, JD, 2012



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New Course 6-7 joint major bears 50/50 collaboration

May develop with links to graduate programs

Course 6-7, from Page 1

number of requirements from each major, the joint program also gives students two advisers — one from each department. The equal partnership, according to Kaiser, allows both departments to develop the joint program more actively. “If you have a sort of bio-flavored version of Course 6-3, then faculty from Course 7 would not have as strong a motivation in teaching biology,” Kaiser said.

In an email to *The Tech*, W. Eric L. Grimson PhD '80, who served as EECS department head before becoming chancellor, said the dual advising system is also beneficial for students' future careers because “students considering either employment or graduate school in either field will have access to someone experienced in that field.” Based on his or her academic focus, each student will get to choose a primary adviser who will have authority to sign registration forms.

The two departments are considering developing a fifth-year MEng program if there is enough student interest. “MEng would be great if students from this program want to directly join the workforce,” said Kaiser. But for students interested in pursuing research or more intense graduate study, Kaiser said the MEng would be

unwise, as it would delay their entry into a PhD program.

There already exists a graduate program similar to Course 6-7 called Computational and Systems Biology (CSB). Kaiser said there might be a possibility of linking the 6-7 joint degree with CSB, although a mentorship program would probably be established first. “We are going to have to let the program grow and see what happens,” Kaiser added.

Freshmen can choose Course 6-7 from the major form when they declare their majors at the end of the month. Upperclassmen can also change their majors to Course 6-7. In either case, students who decide to major in Course 6-7 cannot pursue a double degree with EECS (6-2), computer science (6-3), mathematics with computer science (18C), biology (7 or 7A), or biological engineering (20). They also may not minor in biology or biomedical engineering, although they may switch to a double major in EECS and biology. According to Kaiser, Courses 6-2, 6-3, 18C, 7, 7A, and 20 have significant overlaps with Course 6-7, which is not allowed by the “fundamental MIT spirit.”

The Course 6-7 checklist and sample road map are available online at <http://www.eecs.mit.edu/ug/6-7/>.

Flexible engineering majors in high demand

10-ENG follows similar new initiatives

10-ENG Degree, from Page 1

The new degree also differs in the capstone project. Course 10 and 10B students take 24 units of Integrated Chemical Engineering (ICE) modules, but 10-ENG students will only take either 12 units of ICE modules, a senior thesis, or a senior project without a writing component. Advising will also be tailored for 10-ENG students, as students in the new program will be paired with advisors based on “mutual interest” in the students' areas of concentration.

This is not the first flexible engineering degree to be offered at MIT. Mechanical engineering's Course 2A degree in engineering allows students to concentrate in areas such as biomedical engineering, energy conversion engineering, and engineering management. This course was accredited by ABET seven to eight years ago. Similarly, the Department of Aeronautics and Astronautics' recommended 16-ENG degree in Engineering was approved last spring and launched in

September.

Hammond said there is a “large amount of interest across the nation” in flexible engineering degrees. Students in Caltech's chemical engineering school, for example, can choose between four tracks: biomolecular engineering, environmental engineering, process systems, and materials. According to a 2009 survey by MIT's School of Engineering, of the 47 Course 10 and 10B seniors who responded, 51 percent said they would have pursued a flexible, accredited engineering major if one had been available.

While it offers more flexibility, Hammond argues that the 10-ENG degree is not for everyone. Students who are interested in a specific area of chemical engineering may appreciate the in-depth approach to the 10-ENG concentrations, but those who aren't may benefit more from the broader Course 10 degree.

“I didn't develop my interest for polymer science until senior year,” Hammond said. “Some students just come in and know.”



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Walker Memorial • 6pm
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ALUM, FACULTY, STAFF: \$15 individuals, \$25 for couples

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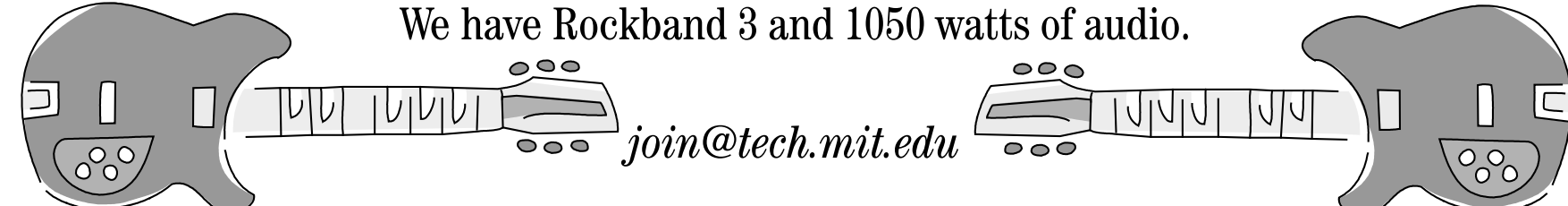


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THE ARMENIAN GENOCIDE



Date: 24 April, 2011

Time: 7:00-8:30pm

Location: MIT, Room 34-101


Address: 50 Vassar Street, Cambridge, MA

The MIT Armenian Society will commemorate the remembrance day of the Armenian Genocide on April 24th with the showcasing of the PBS documentary "The Armenian Genocide" by Emmy award-winning director Andrew Goldberg. The movie tells the story of the colossal humanitarian tragedy that occurred in the early 20th century. It features interviews with experts such as Pulitzer Prize-winning author Samantha Power and New York Times best-selling author Peter Balakian. The MIT Armenian Society would like to welcome all MIT and non-MIT public to join us on this occasion.

mitas@mit.edu

WWW.MITAS.ORG

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MANOHAR SRIKANTH—THE TECH
Administrator of the Environmental Protection Agency Lisa P. Jackson delivered the 11th annual Henry W. Kendall Memorial Lecture. The Kendall Memorial Lecture Series aims to expose the MIT community to issues in global change science.

Solution to Sudoku
from page 6

1	9	3	7	2	6	5	8	4
4	6	7	8	5	3	1	2	9
2	8	5	1	4	9	3	6	7
6	3	4	2	8	7	9	5	1
7	5	2	6	9	1	8	4	3
9	1	8	4	3	5	6	7	2
3	2	9	5	6	4	7	1	8
5	4	1	9	7	8	2	3	6
8	7	6	3	1	2	4	9	5

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PALESTINE AWARENESS WEEK 2011

TEDxRamallah

<p>“Protecting the Human Right to Water in Palestine”</p> <p>Susan Koppelman Water rights advocate Time: 7:00pm - 9:00pm April 13th Location: 2-135</p>	<p>TEDxRamallah</p> <p>DAM, Suad Amiry, and others Live streaming from Palestine Time: 3:00pm - 7:00pm April 16th Location: 4-163</p>	<p>“Intergroup conflict examined through psychology”</p> <p>Emile Bruneau Post Doc at MIT's Saxe Lab Time: 6:00pm - 8:00pm April 20th Location: 4-149</p>	<p>“Taking a Stand”</p> <p>Elinor Amit & Noam Lekach Human Rights activists Time: 6:30pm - 8:30pm April 26th Location: 4-145</p>	<p>“With God On Our Side”</p> <p>Film screening, documentary Theology of Christian Zionism Time: 7:00pm - 9:00pm April 28th Location: 4-237</p>
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Students question death of Princeton lecturer

Undergraduates ask whether unfair treatment drove Spanish lecturer to suicide

By Lisa W. Foderaro
THE NEW YORK TIMES

One Friday morning this month, a security guard showed up at the office of Antonio Calvo, a popular Spanish instructor at Princeton University, to escort him from the building. Friends and former colleagues say Calvo was abruptly dismissed from his job, and because he lived in the United States on a temporary visa, he faced a compulsory return to his native Spain.

Four days later, on April 12, he fatally slashed himself in his Manhattan apartment.

Calvo's suicide has devastated a tight community of scholars and students who so valued his generosity and vivacity that they called him St. Antonio. And on the Princeton campus, private grieving has erupted into public recrimination, with Calvo's admirers faulting the university for how it handled the episode.

It is unclear what exactly led to Calvo's hasty departure from the job. Princeton officials said Thursday that he was on leave at the time of his death but declined to provide other details. "To preserve the privacy of our employees, the university does not speak to matters of personnel, which are not public," a university spokeswoman, Cass Cliatt, said.

Several former colleagues said that Calvo, who as a senior lecturer did not have tenure, was being evaluated for reappointment in the department of Spanish and Portuguese languages and cultures, and that a few graduate students and a fellow lecturer had mounted a campaign to block that renewal. As director of the university's Spanish language program, Calvo supervised graduate students, who are required to teach undergraduates; the graduate students, his friends said, criticized his management style and singled out comments that they felt were inappropriately harsh.

In one episode earlier this academic year, Calvo told a graduate student that she deserved a slap on the face and slapped his own hands together. In another, he jokingly referred to a student's private parts in an email, using a common Spanish expression that implores someone to get to work.

Calvo also expressed frustration with the graduate students, who he felt did not take their teaching duties seriously, friends said. Angelina Craig-Florez, a lecturer in Latin American and Iberian cultures at Columbia University, said she last spoke with him at a conference in February.

"He was very upset because he was undergoing a review, which was normal, but some of the graduate students were not following what they had to do," she said. "Some didn't even show up to classes that they were teaching, and it's his responsibility to make sure that the language program runs smoothly."

Some of Calvo's undergraduate students complained this week that Princeton had not been forthright with them about his departure or death. They said they were not notified that he had died until three days later, in an email that said simply that Calvo "has passed away."

James Williams, a sophomore from Pittsburgh who took an advanced Spanish class with Calvo, said that on the Friday the instructor was escorted from the building, the students waited for 30 minutes

in the classroom. As they left, they asked the department chairwoman where Calvo was.

"She said he had to leave early today for personal reasons and that he'd be back next week," Williams recalled.

The day before the suicide, the students again waited for Calvo. After 20 minutes, another professor entered the room and announced that he was taking over the course indefinitely, again citing personal matters that Calvo was attending to.

After class the following week, Williams said, the new professor told him that Calvo had killed himself. Williams has created a Facebook page titled "Justice for Calvo: Forming a Student Response" and scheduled a strategy session for Saturday. "Definitely more questions need to be answered," he said.

Calvo "never seemed to be the type of person who would commit suicide," Williams added.

"If there was an indiscretion on his part, this should all be

left alone," he continued. "But if there's a fault on the part of an individual or group or institution that perhaps treated him unfairly or unethically, that needs to be addressed and actions should be taken."

At a memorial gathering on Tuesday, students voiced their anger and confusion. "I really want to know more about what happened," Molly Bagshaw, 19, said. "I want the holes to be filled before I can move on."

They remembered a lively teacher with a love of colorful shoes and a quick wit. One woman recalled the time that Calvo charmed bartenders in Toledo, Spain, where he oversaw a summer program, into giving his entire class free rounds of drinks. Another student said Calvo would stop students on campus to chat about their lives.

"He had such an energy about him," Williams said. "He wouldn't just walk into the classroom. He would bounce."

Friends of Calvo said the tim-

ing of his dismissal put him in a difficult position. Since he was in the country on a work visa sponsored by Princeton, he would have to find another job — and sponsor — quickly.

"Antonio had lived in the United States for over 10 years

and made a life for himself in this country," said Marco Aponte-Moreno, a former lecturer in Spanish at Princeton, who now teaches in England.

"The loss of his job also meant that he would have to leave his life in the U.S. behind."

Solution to Techdoku

from page 6

5	2	6	4	3	1
3	6	4	2	1	5
1	4	2	6	5	3
4	1	5	3	2	6
6	3	1	5	4	2
2	5	3	1	6	4

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Eco-friendliness abounds at MIT Earth Day Fair



Photography by Jaswanth Madhavan.

Above: A student signs up to be an MIT Green Ambassador. The MIT Green Ambassadors Program, supported by the MIT Campus Energy Task Force, seeks to empower a network of individuals across campus to promote sustainable initiatives and practices at MIT.

Left: A bike repair station in front of the Koch Cancer Institute was one of the eco-friendly services provided as part of the Earth Day Fair on Thursday.

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