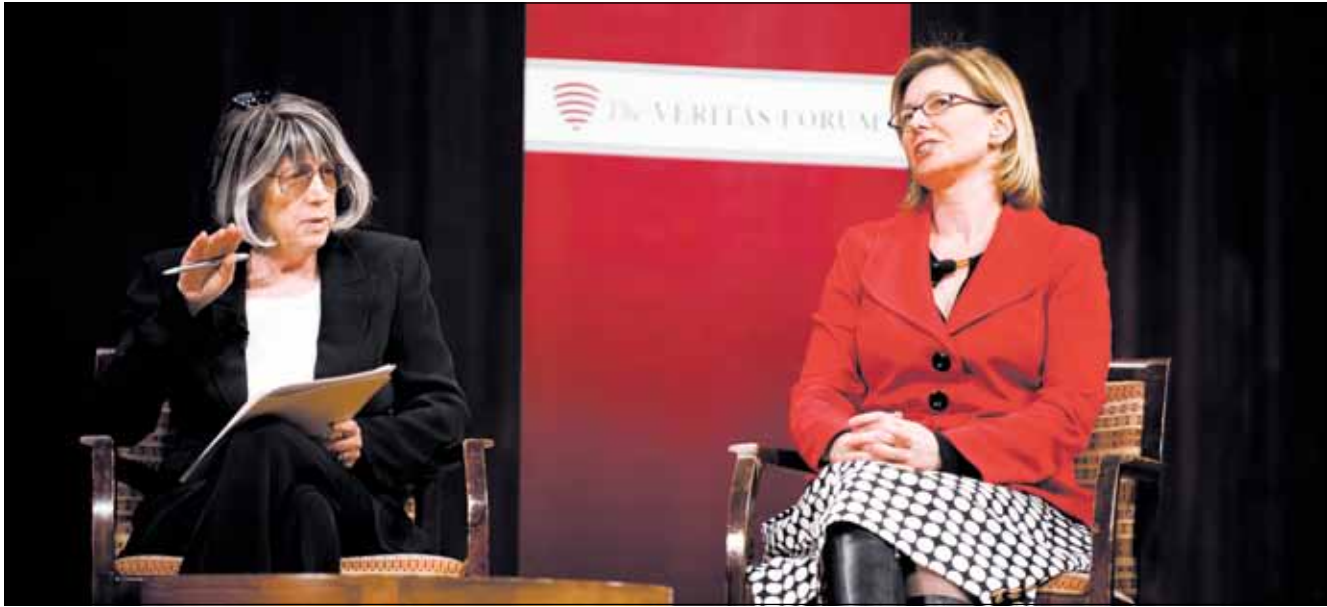


REPORTER'S NOTEBOOK

Veritas Forum inspires discourse

Participants ponder the roles of technology and religion today



ELIZABETH D'ARLENZO—THE TECH

Professor Rosalind W. Picard (right), founder and director of the Affective Computing Research Group and co-director of the Things That Think Consortium, responds to a statement by Professor Susan S. Silbey (left), a Leon and Anne Goldberg Professor of Humanities and Professor of Sociology and Anthropology at the Veritas forum this past Friday in Kresge. The forum was designed around the question “Will technology save the world?” and also featured Professor George Barbastathis and Professor José Gómez-Márquez.

By Joy Lee
STAFF REPORTER

Over 500 attendees congregated in Kresge Auditorium last Friday at 6 p.m. to ponder a single question: “Will Technology Save the World?”

The question was the feature of the fifth annual Veritas Forum, whose mission, according to its website, is to “engage students and faculty in discussions about life’s hardest questions and the relevance of Jesus Christ to all of life.” As Kunle Adeyemo G said in his introduction, the basis for this year’s question was that, “Technology is shaping our world. But are we and technology heading where we want to be going?”

As advertised, four faculty members participated in the forum; two atheists — Professor of Sociology and Anthropology Susan S. Silbey and Professor of Mechanical Engineering George Barbastathis, and two Christians — Instructor for D-Lab (Health) José F. Gómez-Márquez and Professor

of Media Arts and Sciences Rosalind W. Picard.

Ian H. Hutchinson, Professor of Nuclear Science and Engineering, moderated the discussion. The evening began with the four speakers each introducing their positions on the topic. Although the official question asked whether technology would save the world, the focus quickly shifted to whether it was possible for technology to do so.

Silbey started off by saying, “Technology cannot save the world because it is part of the problem.” Citing two types of change that technology affects in human society, Silbey questioned the ability of technology to effectively solve society’s problems. The first type of problem that technology poses to society is the immediate issues that arise with its necessary resources and waste, along with associated negative health effects. The other issue, Silbey said, deals with the ability of technology to change the way humans think and interact. She pointed out that technology affects the way we ap-

proach the world, including how we view the problems we face as a society, but itself lacks the proper methods to identify the problems that must be fixed. According to Silbey, the fundamental issue with technology is that “Technology cannot tell us what goals to pursue, what values we should promote through social action or technology.”

Gómez-Márquez took a different approach to the topic. Technology is a tool that people can use to better others’ lives, he believes, though he made it clear that technology can’t do the job by itself. Citing instances of where technology is used to help people in the developing world, Gómez-Márquez said, “I’m actually a technology optimist. What I find when we go down to the developing world where there is poverty is that it’s often not about the gadget. It’s actually a lot of other things that matter.” One of those “other things” he said, is insight. He noted that people need insight

Veritas Forum, Page 11

Additional search advisory group members named

With the Presidential Search Committee announced last Thursday, the Graduate Student Council (GSC) and the Undergraduate Association (UA) have formed a joint task force of undergraduate and graduate students (see below), six of which are part of the task force’s Executive Team. The group is responsible for gathering student input and advising the Presidential Search Committee as the MIT Corporation selects the next MIT President.

The GSC and the UA are holding six student-led forums over the next two weeks to “solicit feedback on the needs of MIT as well as the desirable qualities that a president should possess,” according to the GSC website. Students interested in attending the forums should RSVP at <https://signup.mit.edu/mitpresidentsearch>.

Over the upcoming weeks, online opportunities will also be provided for students to express opinions. MIT Corporation Chairman John S. Reed ’61 has said he hopes for the search to be completed by the summer.

Joint Presidential Search Task Force

Student Advisory Executive Team

Alex J. Evans G, GSC Appointee, Course 12
Bryan Owens Bryson G, GSC Appointee, Course 20
Ellan F. Spero G, GSC Appointee, STS
Amanda C. David ’13, UA Appointee, Course 15
Patrick A. Hulin ’14, UA Appointee, Course 18
Kimberly M. Sparling ’12, UA Appointee, Course 1

Student Advisory Members

Neelkanth M. Bardhan G, Course 3
Amy M. Bilton G, Course 16
Lorenna D. Buck G, Course 20
David Chang ’12, Course 6
Ravi M. Charan ’14, Course 18
Alexandra L. Ghaben ’13, Course 10
Nada Hashmi G
Ellen McIsaac ’12, Course 3
John K. Nowocin G, Course 6
Lindsey C. Osimiri ’14, Course 20
Arun K. Saigal ’13, Course 6
Jeffrey M. Sperling ’15
Addison K. Stark G, Course 2

IN SHORT

Pi day is this Wednesday! MIT Regular Action admissions decisions will be available on Wednesday, beginning at 6:28 PM ET.

The Margaret Bidwell Lecture: Drug Discovery for Neuropsychiatric Disorders has Stalled is this Thursday from 4 to 5 p.m., in 46-3002.

A memorial service for Brian Anderson will take place this Saturday at 4 p.m. in the MIT chapel, with a reception to follow in W11.

A memorial for Bob Silbey, former dean of the School of Engineering, will take place on Saturday at 2 p.m. in the Brain and Cognitive Sciences atrium.

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

RecycleMania starts

Dorms have recycling competition

By Bruno B. F. Faviero
STAFF REPORTER

The UA wants all students to become RecycleManiacs! For the next two weeks, the UA Committee on Sustainability will be promoting a competition between dorms to see which can recycle the most. The competition will run March 12–23, and progress will be measured from information provided by Facilities on how material is recycled in the dorms.

Last year, Burton-Conner won the competition and was awarded a \$500 prize in the form of reusable shopping bags for each of its residents. This year, the prize will be similarly “sustainability-related,” said Jen Liu ’14, co-chair of the UA Committee on Sustain-

ability, though the exact prize has yet to be determined. “Since it doesn’t involve that much extra work, there’s no reason not to earn extra money for your dorm,” noted fellow co-chair Anvisha Pai ’14.

Some students seemed ready for the competition. “Our president told us all to recycle, so we could win again,” said Miren Bamforth ’15, a Burton-Conner resident.

Other students, however, seemed more critical of the program. “Conceptually it’s good, but there’s no incentive if you’re not attached to your dorm,” said Maseeh resident Thomas A. Villalon ’14.

Recycle, Page 7

Engineers make it to

The Final 4

p. 12

PHOTO BY TOM GEARTY

THE HYPOCRISY OF THE PRO-LIFE MOVEMENT

Anti-abortion efforts infringe on freedoms.
OPINION, p. 4

WHY MATH AND PHYSICS?

Equations of description. **FUN, p. 8**

BASEBALL WINS FIRST GAME

Team beats Gordon College 10-0.
SPORTS, p. 12



WHY I RELAY

Stories from the MIT community on why they support cancer research.
CAMPUS LIFE, p. 8

TENNIS AND THERMO

Curtis Wu does both.
SPORTS, p. 12

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House Republicans split over a bid to revise the budget deal

By Jonathan Weisman
THE NEW YORK TIMES

WASHINGTON — The House is bracing for a rancorous showdown over a 2013 budget plan that has already divided Republicans because of a push by conservatives to cut spending below the level both parties agreed to in last year’s deal to raise the federal deficit.

Trying to demonstrate anew their push to reduce the size of the government, conservative House Republicans want to cap spending on programs under Congress’ discretion well below the \$1.047 trillion cap set by the budget deal last summer. But House Appropriations Committee leaders and Republican moderates, facing tough re-election

campaigns, want to stick to the agreement struck with President Barack Obama seven months ago.

“We voted for it. That’s the number we should use,” said Rep. Charles Bass, R-N.H.

The budget blueprint for the coming fiscal year — slated to be unveiled next week — will also reignite the fight over Medicare, an election-year prospect that has both parties digging in.

Whatever the House produces, Sen. Harry Reid of Nevada, the majority leader, has said he has no intention of bringing a budget to a vote in the Senate — meaning the House debate will be essentially symbolic.

But the symbolism could define the battle for control of the House in 2013 between Republicans — who

say they are willing to make the difficult choices to overhaul Medicare, limit the size of government and control the deficit — and Democrats running as a party that will preserve Medicare and make the rich shoulder more of the economic burden.

“An argument for a sounder, more sensible future for Medicare is one that we can very comfortably make,” said Rep. Nan Hayworth of New York, a freshman Republican on the Democrats’ target list.

Before they can get to that debate, Republicans must decide among themselves whether and how far to break the agreement on spending levels reached in July during the last budget fight, the one over raising the statutory limit for federal borrowing.

Santorum’s delegate math looks different from Romney’s

By Michael D. Shear
THE NEW YORK TIMES

WASHINGTON — Rick Santorum’s campaign has begun to argue forcefully that Mitt Romney will fail to win the 1,144 delegates needed to clinch the Republican nomination for president, leaving the decision to a wide-open national convention in Tampa, Fla., this summer.

The argument suggests that Santorum’s strategists have all but given up on the idea that their own candidate can reach that magic number himself. A count by The Associated Press found

that Romney has already collected 454 delegates, more than twice the 217 that have pledged to support Santorum.

But Santorum and his advisers believe that he — along with Newt Gingrich and Rep. Ron Paul — can effectively block Romney’s march to the nomination over the next three months. If that happens, they argue, Republicans will gather for their convention with no certain winner — and with Romney at a disadvantage.

Aides to Santorum predicted that convention delegates — including a majority of the so-called “superdelegates” — would throw their weight

behind Santorum once Romney failed to lock up the nomination.

“When we go to this convention, if that’s where we end up, it’s a conservative party,” Santorum said Monday on NBC’s “Today” show. “If an opportunity provides itself at an open convention, they are not going to nominate a moderate Massachusetts governor.”

Romney’s advisers dismiss the idea of a contested convention and say he is on track to accumulate a majority of the 2,286 total delegates. They argue that Romney has won more than 50 percent of the delegates in the contests to date.

Japanese companies continue to expand reach abroad

The Asahi Kasei Corp. of Japan agreed Monday to buy Zoll Medical, a health care equipment maker in the United States, for \$2.2 billion, becoming the latest Japanese company to expand abroad.

Under the terms of the deal, Asahi will pay \$93 a share, a 24 percent premium to Zoll’s Friday closing price.

While merger activity overall has slowed down in the past year, dealmakers point to a few pockets of sustained interest. One of them is Japanese companies pursuing markets overseas even as their home markets stagnate.

About \$82.8 billion worth of cross-border deals involving Japanese buyers have been announced in the past 12 months, nearly quadrupling the previous year’s volume, according to data from Capital IQ, a research firm.

—Mark Scott and Michael J. De La Merced, The New York Times

Chancellor defends Germany’s nuclear power deadline

BERLIN — Chancellor Angela Merkel of Germany defended over the weekend her government’s decision to phase out nuclear power by 2022 and replace it with renewable energy sources, dismissing critics who said the government would never make the deadline.

Merkel made the decision nearly a year ago after a devastating earthquake and tsunami on March 11, 2011, caused a meltdown at a nuclear plant in Fukushima, Japan. The accident heightened anxieties about nuclear safety and set off new soul-searching about the wisdom of relying on nuclear power.

Merkel conceded in her weekly podcast that, “of course, we need a lot of new investment” for the plan to be carried out. But she insisted that her decision was the right choice.


—Melissa Eddy, The New York Times

Sarkozy, in rousing talk, takes conservative stand

PARIS — President Nicolas Sarkozy, trailing in opinion polls six weeks before the election, gave a rousing address to some 50,000 supporters on Sunday, striking strongly conservative notes on immigration, Islam and protectionism.

Trying to recreate the excitement of his victorious 2007 campaign, Sarkozy gathered his Cabinet; his wife, Carla Bruni-Sarkozy; the former prime minister Edouard Balladur; Bernadette Chirac, a politician and the wife of former President Jacques Chirac; and even the actor Gerard Depardieu to hear him threaten to pull France out of the European Union’s visa-free Schengen agreement unless Europe provides better protection from illegal immigration.

—Steven Erlanger, The New York Times



MIT Visiting Artist Program and Music and Theater Arts Present

JAMSHIED SHARIFI

MIT Visiting Artist and Composer-in-Residence

5:30 PM MARCH 13

AWAKENING THE ARAB SPRING
A panel discussion and musical excerpts from *Awakening*

5:30 pm Tuesday, March 13, 2012
MIT Killian Hall

Reservation required: awakening-arab-spring.eventbrite.com
Free and open to the public

8:00 PM MARCH 17

AWAKENING: A WORLD PREMIERE
Performance by the MIT Wind Ensemble of a new composition by Jamshied Sharifi about the Arab Spring

8:00 pm Saturday, March 17, 2012
MIT Kresge Auditorium

Tickets: mitwe-jamshied-sharifi.eventbrite.com
Free in advance for MIT community
\$5 general admission or \$5 at the door

V/ARTISTS

arts.mit.edu/va/artist/sharifi/

OPINION OPINION OPINION OPINION OPINION OPINION OPINION OPINION OPINION OPINION

pass a law allowing non-physicians such as midwives, nurse practitioners, and physician assistants to perform a certain method of abortion dubbed “aspiration” abortion. This will make California the fifth state to make such allowances, which greatly improve access to safe abortions, especially to rural and low-income areas. But there is still little reason to celebrate. According to the Guttmacher Institute, a record 92 abortion restrictions were passed in 2011. Lacking a major revival of pro-choice activism — not just pro-choice ideals — and a recommitment of the Democratic Party to what was once, I have heard, a major plank of its platform, we could see an even more devastating 2012.



By Kali Xu
STAFF WRITER

From 6 p.m. Saturday to 6 a.m. Sunday, hundreds of walkers, joggers, and a unicyclist circled around the Johnson track. In addition to the core of every Relay event — the cel-

booth, massage booth, and jail-your-friends booth. During the Fight Back Ceremony at 1 a.m., a Skype session was held with Christian L. Welch '13, the student battling Hodgkin's lymphoma who is the inspiration behind the Chris Welch Support Team.

600 participants, raising over \$40,000. This year, 1,030 participants on 83 teams raised over \$70,000, and donations are still being accepted online.

Out of all the charitable events held around the world, why do millions of people choose to participate in Relay? Because cancer can affect anyone. According to the American Cancer Society, in Massachusetts alone there will be 38,470 new cancer cases in 2012. In the MIT community, there are countless students, faculty, staff, and families who have been touched by cancer in some way. Some of their stories are below.

Written by Joan C. Weaver '14

Last year, I did Relay for similar reasons as in high school: it was a good cause, a fun event, etc. This year, I Relay for something even greater. Earlier this year I found out that one of my good friends at MIT, Chris Welch, the person who would let me complain about my week even when he had way too much work, the person who sent me a zip called DoNotStress, the person who would give me a hug if I was sad, the person who would come into my suite and ask for a sandwich, had Hodgkin's lymphoma. Now that I'm older, I realize that cancer is a big and serious deal. And this year, I still Relay for my grandma and my friend Rob, but I also Relay for Chris in hopes that his ending will be just like theirs: beating cancer."

Joanie C. Weaver '14 is a member of the Chris Welch Support Team.



Students from Wellesley College play a game during the Relay for Life on Saturday night. The relay was held from 6 p.m. on Saturday to 6 a.m. on Sunday in Johnson Athletic Center, and raised over \$76,000 for the American Cancer Society.

"Last year was my first Relay, and besides being a lot of fun, the event was really meaningful because I had sisters on the team who were directly affected by cancer. My uncle had leukemia, but he was really lucky in that he survived because my dad was a bone marrow match. That was so lucky; that was a really difficult time for my family. I've heard countless stories and know of people who have lost parents and other family members. I think that growing up, you shouldn't have to grow without a parent, and parents shouldn't have to see their kids go before them. So that's why I Relay."

Iris joined Colleges Against Cancer after Relay last year, which she participated in as a member of the Pi Beta Phi team.

Sheu is the Vice President of Team Fundraising on the MIT Relay For Life Planning Committee.



The Green Building displays a bright purple ribbon hack on its tall facade Saturday night in support of Relay for Life.

"My grandmother got cancer when I was very young. I didn't really understand what was happening at the time — I just knew that this was a menace that affects a lot of people, and it had a huge effect on my family. When I was in junior high and high school, when I would talk about this, my teachers would tell me, 'oh, you should go cure cancer, you should look into that,' but I never thought that was something that I was really interested in because I didn't really understand it at the time and it seemed like such an intractable problem. But I came to realize that this was actually a huge burden and something that was really worth my time. So I Relay for my grandmother, and I Relay to help support this effort to give people hope that one day, this will not be the problem it is, that one day we'll have the cure."

A Stanford MS/BS graduate now working towards a PhD in the Harvard-MIT Division of Health Sciences and Technology, much of Engreitz's research has involved studying the molecular processes that make tumors tick. In his words, however, "that's not going to help people for many, many years. Any insights that I glean in graduate school, should they become lucky enough to actually go into practice, are still a decade away from implementation. That's why I thought Relay was a great way to get involved and help this community immediately."

Jesse Engreitz is the Vice President of Public Relations on the MIT Relay For Life Planning Committee.

“My dad was always someone I looked up to in life, and he was a fantastic role model for me. He wouldn’t let me settle for anything less than the best that I could achieve.

When I first told him I got into MIT, on December 17th, he was absolutely overjoyed. He was the happiest I'd seen in years. Little did I know that one of the most distressing days of his life had happened only about two months prior, which I wouldn't know about for another four months. Through those six months, he fought cancer with everything he had, going through pain week in and week out, all while keeping it a secret from me.

Needless to say, when I finally found out about everything my dad went through to see me graduate and row at nationals, I was both touched and distraught. I couldn't quite believe that I had been able to live in such happy ignorance for so many months, and that my dad had gone through unimaginable pain, all with the goal of seeing my accomplishments. Coming from someone whose sport (crew) is essentially who can go the longest before passing out from pain, that is a lot of pain.

As I packed up my life into three bags, I saw the day fast approaching when I would get on a plane and leave my home in Seattle for the new and strange world of MIT. It was clear that my dad was getting worse by the day, even by the hour, and I was heartbroken knowing that when I left my house to go to the airport, even under the best of circumstances, there would be little chance that I

would ever see him again. So as my mom, aunt, uncle and I all sat around the house the day before I was to leave, when things suddenly went from bad to worse, we were hardly surprised.

My dad fought a 10-month battle against advanced stomach cancer, not knowing how long he could keep it at bay. Yet, despite everything against him, he made it to the day before I left for college. He saw me all the way through to the next stage of my life. And that is what makes it impossible to overstate his importance in my life. Now, hardly a day goes by where I don't think about him, or this past summer, but I can rest easier knowing that he lived up to his goal. This is who I take my inspiration from now. If he could stay strong in the face of overwhelming odds, and achieve everything he wanted, I can only hope that I am half as strong, to be able to overcome every obstacle in my life. While it was one of the hardest summers of my life, it was also one of the most important, and looking back at the time I was able to spend with him before he died, one of my favorite.

This is why I jumped at the opportunity to sign up for Relay For Life, and why I share this story with you now, despite knowing full well that I have homework and a thousand other tasks that I need to take care of. Although early death will most likely never be eliminated from this world, it seems to me that we should look at every glimmer of hope we can find, hold on tight, and never let it go."

Augusciak is a member of the MIT Crew Relay team.

Interview with Allegra G. Hawkins '14

"Just from my observations in the hospital, I feel like there are so many people who are affected by cancer. Not just people who have cancer, but people who aren't even directly involved are still affected by it. After going through treatment, I went to speak at an event, and when I asked everyone in the room who had had cancer or been affected by cancer to raise their hand, every single person raised their hand.

My favorite part of Relay is definitely the Luminaria Ceremony. I spoke at it last year, and the whole scene was really moving. Everyone gathers around and you listen to someone speak about the reasons to be there, why the whole night is happening. Everyone has a glowstick, and they ask you to step on the track and stack your glowstick. The first are the survivors, and then like, your mom or dad had

cancer, your brother or sister, and it keeps going until everyone is on the track. It's a walk of silence. It really helps you understand how many people are affected by cancer and how many people are doing something about it. It reminds you of why you're there, spending those 12 hours in Johnson Track."

At 15, Allegra “Ally” Hawkins was diagnosed with and treated for the aggressive cancer Burkitt’s lymphoma, which is much more rare than Hodgkin’s lymphoma. Only around 300 new cases are reported in the U.S. every year. After participating in Relay last year as a member of Alpha Phi’s team, Hawkins joined the MIT Colleges Against Cancer group. For her, Relay is a way of giving back to all those who are still in the hospital fighting, those who didn’t make it, parents, caregivers, and everyone else involved.

Hawkins is the Vice President of Activities on the MIT Relay For Life Planning Committee.

Start recycling!

Dorms participate in recycling competition, prize to be awarded

Recycle, from Page 1

Romi S. Kadri '14, also a Maseeh resident, didn't foresee students going out of their way to recycle. "With MIT students leading such busy lifestyles, recycling is inevitably a lower priority," said Kadri, suggesting that "individual rewards or a credit for recycling" would give more incentive. Though the current Greenbean machine in the Student Center pays money for certain recyclables, its data is currently not used for the competition. Pai attributes this to the difficulty of dealing with students' personal Greenbean accounts and the fact that the machine is mostly used by fraternities and sororities while the competition is between dorms.

Villalon also said that most students' recycling habits are probably related to whether they recycled before coming to MIT, "If you give it a personal connection, then that's another incentive — peer pressure."

MIT's version of RecycleMania is part of a larger, 10-week intercollegiate competition sponsored by the nonprofit RecycleMania Inc. "MIT has always participated in RecycleMania, but has never placed highly," said Pai. Pai added that the UA is focusing on the inter-dorm competition as opposed to the intercollegiate competition — in which MIT placed 68th last year out of 288 schools — though campuswide recycling rates will still count toward the competition. Pai also said that one of the goals of the competition is to maintain high recycling rates during and after RecycleMania.

Participation in the recycling competition involves simply placing recyclable materials in the recycling containers provided at each dorm. The UA will be posting updates on dorm rankings and recycling rates on the MIT RecycleMania website (<http://web.mit.edu/recyclemania>) so participants can track their dorm's progress.



BENJIXIE

The UA Committee on Sustainability publicized RecycleMania at Tuesday's UA midnight study break. They handed out cardboard recycling bins for students to use in their rooms.

Joan M. Blake

will conduct a book reading on

**Standing on His Promises:
Finding Comfort, Hope, and
Purpose in the Midst of Your Storm**

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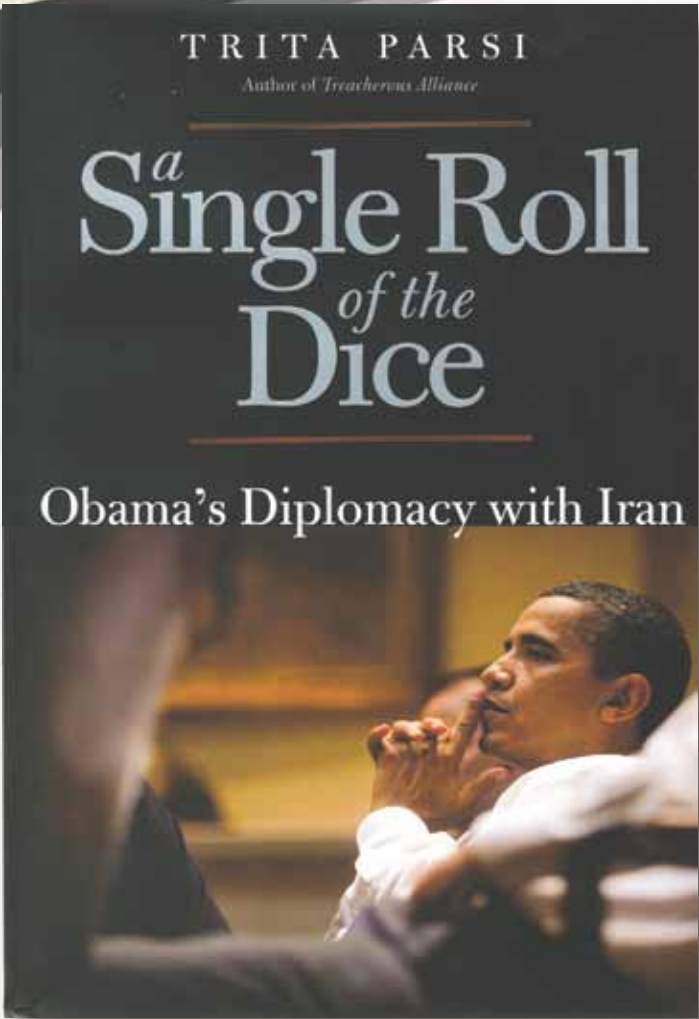
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STARR FORUM



Book Talk w/ Trita Parsi

Discussant: Abbas Maleki | Moderator: Stephen Kinzer

Wed, March 14, 2012
4:00p - 5:30p, MIT Bldg E15
Bartos Theater, Atrium level
20 Ames St, Cambridge

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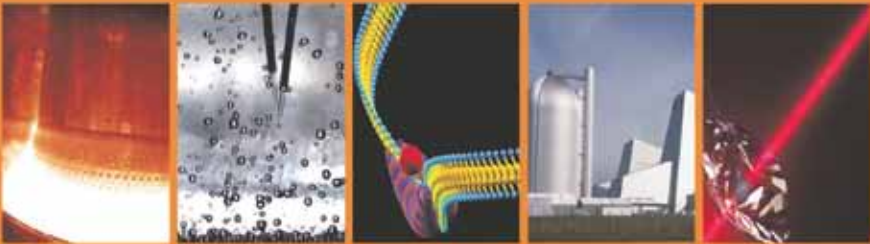
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2012 Doctoral Research Expo
March 16 : 10:00AM - 1:00PM : E14-674

by Amanda Aparicio

WHY I IMMERSE MYSELF IN MATH & PHYSICS

Equations of Description

Math & Physics

$$E=mc^2$$

$$\|x+y\| \leq \|x\| + \|y\|$$

$$\frac{d}{dx} \int_a^x f(s) ds = f(x)$$

$$e^{i\pi} + 1 = 0$$

$$\Delta x \Delta p \geq \frac{\hbar}{2}$$

If this doesn't make sense, Google it. If you don't agree, go disprove it.

Relationships*

$$\text{Prob}(\text{mutual desire for a relationship}) = \rho\{0.23n + 0.05x + 0.18\lambda + 0.32u + 0.22[0.04\eta + 0.1m + 0.17p + 0.2(\xi + 0.48g)]\}$$

where $\rho = \begin{cases} 1 & \text{physical attraction} \\ 0 & \text{else} \end{cases}$

$n \rightarrow$ physical proximity

$\lambda \rightarrow$ amount of pixie dust

$\lambda \rightarrow$ amount of pi
 $x \rightarrow$ # of real unicorns

$\alpha \rightarrow$ # of real variables

 $\eta \rightarrow ?$

$\eta \rightarrow ?$
 $m \rightarrow$ musical interests

$p \rightarrow \text{politics}$

$P \rightarrow$ politics
 $E \rightarrow$ distance from current position to equator

g → goals in life

If this doesn't make sense, it's not suppose to. If you don't agree, you're not required to.

* Can only be calculated on the 2nd Tuesday of the 3rd month every 42 years.

ISN - Army Labs

2012 Student Summer Internship Program

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This program provides opportunities for MIT undergraduate students to conduct research at state-of-the art Army laboratories working under the direction of Army scientists. Most areas of science and engineering are of interest. Internships typically run from June to August

As a summer intern, students:

- Gain valuable research experience
- Build new professional relationships
- Access world-class facilities
- Become part of a team that provides new, life-saving technologies.

If you are interested in learning more about this program the first step is to register at the website:

<https://isn.mit.edu/internship/index.php>

If you have questions about this program, or experience difficulty using any features on website, please contact Marlisha McDaniels- mmcd@mit.edu or the ISN Headquarters, NE47-4th Fl, 617.324.4700.

***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.**

The ISN: The mission of the MIT Institute for Soldier Nanotechnologies is to dramatically enhance Soldier protection and survivability through basic research on nanotechnology and collaboration with Army and industry partners to transition promising research into practical capabilities.

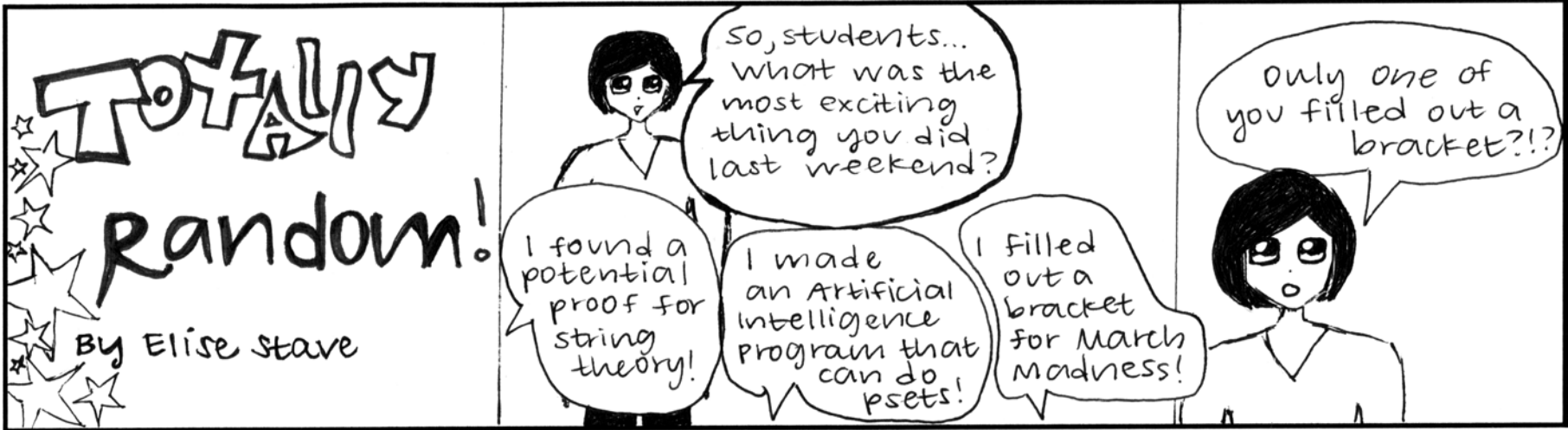
	9	1			6			
8		3				6	1	
			8					9
	3		1			9	2	
		2	9	4	3	7		
	7	9			8		4	
5					9			
	2	4				8		5
			4			1	3	

Techdoku ↗ ↖ Sudoku

Solution, page 11

Solution, page 11

4x		72x			42x	5
2-	3÷		105x			4
		7		144x		
10x		4x			10+	
18x	2		56x		5	
	1-			120x		8+
28x		6				



Saturday Stumper by Brad Wilber

Solution, page 10

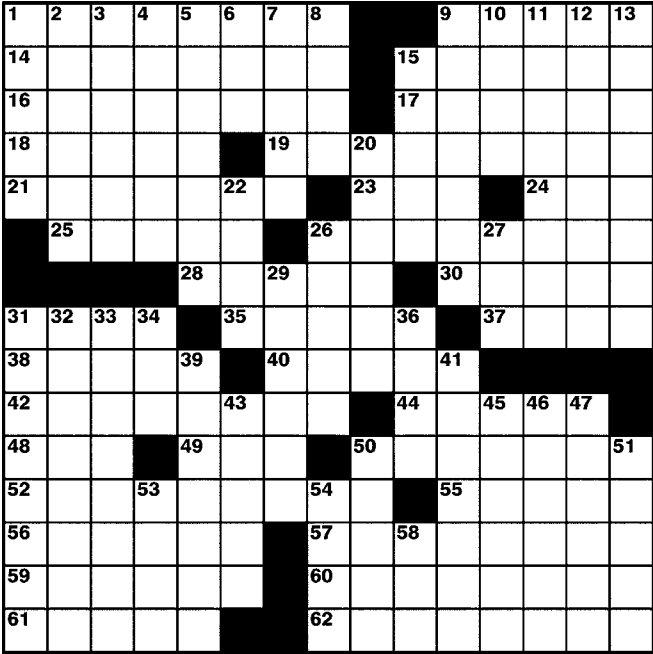
ACROSS

- 1 Label on many Miami Vice fashions
- 9 Declined to comment?
- 14 Mideast digestive aid
- 15 Grenada neighbor
- 16 Players will walk on it
- 17 Place with no self-service gas stations
- 18 Wine-rack selection
- 19 Big Ten team
- 21 Luna de miel participants
- 23 Barely beat, with "by"
- 24 Minor eruption
- 25 Factions
- 26 Beset by butterflies
- 28 Object
- 30 Dancer's prompter
- 31 Bjorn Borg trademark
- 35 Set out
- 37 Gardening column subject
- 38 Run up
- 40 Cobs, for example
- 42 Bag
- 44 Distinct
- 48 Opposite of 32 Down
- 49 Something folded in a closet
- 50 Less presentable, perhaps
- 52 Holding a lot
- 55 Onetime National Cartoonists Society president
- 56 Isn't a fad
- 57 Component of some clogs
- 59 Martin's boss in The Pink Panther 2
- 60 Sci-fi staple
- 61 What the most-traveled migrants are
- 62 Climbing hurdle

DOWN

- 1 Diary features
- 2 Frees
- 3 Russian : Vanya :: Italian : ____
- 4 CBS' "Poet in Residence"

- 5 Visibly discomfited
- 6 Some March Madness finishes
- 7 Escapes gradually
- 8 Surfeit
- 9 Nibbles
- 10 "Ha!"
- 11 Round holder
- 12 Sources of annoying wind
- 13 Suggestion dismissal
- 15 Hasbro subsidiary
- 20 Signal-carrying, in a way
- 22 Making a crossing
- 26 Dietary guideline source
- 27 Plan, with "out"
- 29 Interpol agent of filmdom
- 31 Dove-releasing event
- 32 Comradely
- 33 Major Chicago tourist attraction
- 34 Stuttgart-to-Munich direction
- 36 History test answer, maybe
- 39 "A lousy teacher," per Bill Gates
- 41 Channel name shortened in 2006
- 43 Assurance
- 45 Blu-ray with the featurette "The Plane Behind the Legend"
- 46 They're thrown from horses
- 47 Contractor's projections
- 50 The Sun, for one
- 51 "Made in Chocolate Town" sloganeer
- 53 Royal Jordanian Airlines destination
- 54 DoD branch
- 58 "Maid of Athens, ____ we part . . .": Byron



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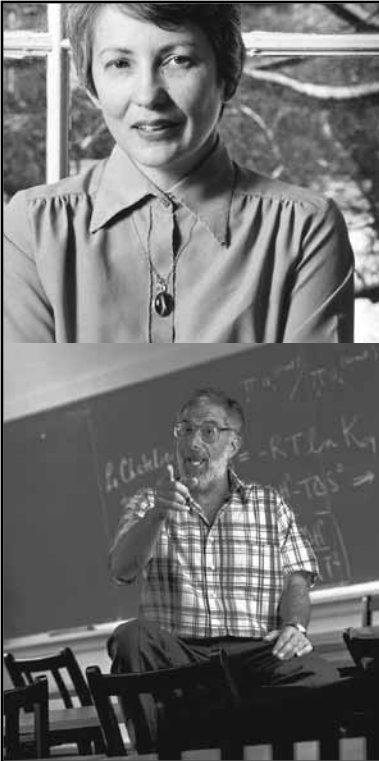
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Tech and religion at Veritas Forum

Veritas Forum, from Page 1

to develop new technologies, and said, “It’s less about the hardware and more about the intangible.” The intangible includes hope, which Gómez-Márquez said is especially important in poorer countries with fewer resources.

“It’s about the confidence of knowing that at a certain point, you don’t have all the answers,” he said, “and you have to rely upon something bigger yourself.” For Gómez-Márquez, that something is found in his Christian faith. He admits, “It’s really not about what I can do. It’s about what the God that I believe in can do through me.”

Barbastathis agreed that technology could help people, but that its benefits to society were decided by the choices that members of society made. He observed that many technologies can be both used for good and for evil, and posed the question, “How do you judge how you use technology?”

Barbastathis believes that the answer lies in the “decency [of humans] to decide what is good for each other provided we have some sort of basic covenant.” He explored the implications of sharing technology and scientific knowledge in light of this potential for either good or evil, and noted that hopefully through the sharing of information, those who are in it for good will always stay a step ahead of those who use it for harm. He concluded by stating, “I don’t know to what degree the world needs saving, but I think that technology can make it a better place.”

Picard opened her talk by asking, “What are the world’s hardest problems and what is the promise

of technology to solve them?” Describing the benefits of autism research and the technology that has been developed to help autistic individuals, Picard noted that while the technology is good, it cannot cure people of autism. Picard then posed the question of whether curing people of autism was the best thing for them, noting that many patients that she speaks with ask not for a cure that will change who they are, but for a way to cope with their autism.

“We have to be very careful and humble when we think we know what is best,” Picard said, “especially when it involves other people.” Like the other speakers, Picard also discussed the potential benefits and harms that are possible through the use of technology. Even everyday technology such as cell phones can be used for both good and for great harm depending on who is using it.

So what do we look to in life? “I want to build great technology to help our world,” Picard said, “and I want to give of whatever I have to help people in need. I delight in this work.” But, she said, the meaning of life is in knowing a God whom she believes does have the answers and can save the world.

During the question and answer session that followed the talks, the panelists were asked, “We’ve all admitted to the limits of technology, and in that sense, perhaps technology will not save the world, where does our hope lie?” Barbastathis answered, “In ourselves,” while Gómez-Márquez said, “Beyond ourselves — in the Christian God.” Silbey commented, “In our youth,” and Picard concluded, “In our youth, in ourselves, but all of us informed by a God who knows more than we do and loves all the people in the world.”

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Hugh Joseph is a Research Associate at the Tufts Friedman School of Nutrition Science and Policy. He has over 30 years of experience developing community-based food, agriculture and nutrition programs, and in 1998 Joseph founded the New Entry Sustainable Farming Project, a farming initiative for immigrant or refugee beginning farmers.



politico.com

Samuel Loewenberg is a journalist who covers foreign affairs, politics, culture, business, health, and poverty. Currently the Nieman Foundation Global Health Reporting Fellow at Harvard University, Loewenberg has reported from across the globe, and his articles have appeared in numerous publications, including The Economist and The New York Times.



mit.edu

Susan Murcott is a Senior Lecturer at MIT who specializes in water and sanitation in developing countries. In 1999, Murcott founded the “Clean Water for 1 Billion People” initiative to improve water and sanitation conditions in partner communities. In recent years she has focused on wastewater treatment in large cities.



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Solution to Techdoku

from page 8

1	4	3	6	2	7	5
7	3	2	5	1	6	4
5	1	7	3	6	4	2
2	5	4	7	3	1	6
6	2	1	4	7	5	3
3	6	5	1	4	2	7
4	7	6	2	5	3	1

Solution to Sudoku

from page 8

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



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