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Math Club visits Wolfram HQ

By Pranava Teja Surukuchi
IT MANAGER

IIT Math Club has been quite active the past semester. Last week, we had a club sponsored trip to the Wolfram Technology conference in Urbana-Champaign, Illinois.

The idea was conceived out of event planning this semester; we were planning on attending a conference and Wolfram Technology Conference seemed like a great idea. We appreciate that we are lucky enough to be at a university that invests in a site license so we can have free use of Mathematica on their personal computers!

We were not sure if we would be able to go to the conference, due to budget constraints and expensive attending fees, but we were determined to make it happen. It took a lot of planning, going through red tape, getting funding from financial board as well as the Applied Math Department and an extremely generous student concession from Wolfram Research. Finally, we were successfully able to take eight members including Dr. John Erickson, the co-advisor of the club, to the conference. To our pleasant surprise we discovered that Dr. Grant Bunker, professor of physics and associate dean of research in the CSL, was also attending the conference.

On Thursday, the Conference had talks by developers and users of Wolfram products on new technologies developed by Wolfram Research. There were also a few workshops conducted to get attendees familiarized with their new technologies. We discovered the depths of Wolfram products and several fields of use that we did not realise were possible.

We had lunch with two IIT graduates who went on to become developers at Wolfram Research. We learned that the work culture at Wolfram Research is different from other companies. This lunch also turned out to be what can be called the 'Zeroth' meeting of IITMUG (IIT Mathematica User Group) with the founders of the group present. The lunch was followed by even more fascinating talks on Wolfram products, most importantly Wolfram Mathematica.

Thursday's dinner was followed by Stephen Wolfram presenting the second annual Wolfram Innovator Awards given to honor individuals who have made significant contributions to their fields, through the innovative use of Wolfram technologies. He then took questions from the audience about existing technologies and his future vision of the company. His perceptions on the future use of Wolfram technologies was quite diverse. His infectious fervor affected everybody in the hall.

Friday turned out to be more than we had hoped. After a few talks in the morning, thanks to Dr. Paritosh Mokashi, developer at

Photo courtesy of IIT Math Club

Wolfram research and IIT alum, we all had a tour of the Wolfram headquarters. The outside of the office was decorated with magnificent artwork, all made using Wolfram products by a dedicated art team. It was only after we went in and had an expedition of the entire office that we saw the uniqueness of the company, from a sand tracing pendulum in a senior developer's office to the Stephen Wolfram Avatar Robot made to have video conferences from anywhere in the world. We also had a visit with Wolfram Tech support which employees has Ph.D. holders. We learned that the employees have a unique chance of getting to talk with the many world renowned scientists that rely heavily on Wolfram technologies.

After the tour of Wolfram headquarters, we stayed for a few more talks, had conversations with a few other attendees who are notable people in their respective fields, before bidding goodbye to the conference. In the end, we returned from the conference excited about several new Wolfram technologies that we cannot discuss, but we look forward to sharing our new-found knowledge of the use of the Manipulate and Dynamic commands, and the functional and rule based programming paradigms in general.

Lewis College of Human Sciences sponsors student YouTube competition

PRIZES

ROUND 1
1st Prize: $1000
2nd Prize: $500
3rd Prize: $250

ROUND 2
1st Prize: $2500
2nd Prize: $1000
3rd Prize: $500

SUBMISSIONS

DEADLINE: 12:00 p.m. (CST) November 28, 2012

SUBMIT TO: Jack Spani, Life Science Building, 3105 South Dearborn, Suite 252, Chicago, Illinois 60616

The 2012 Lewis College of Human Sciences Video Competition is designed to promote the study of the humanities, social sciences and psychology, and provide the opportunity to earn a monetary prize in recognition for such effort.

REQUIREMENTS

Ø The video must be not more than 2 minutes in length.

Ø A signed release form must be submitted for all persons shown in the video.

Ø The video must contain an expressed mention of (i) the humanities, social science, or psychology, and (ii) Illinois Institute of Technology or IIT.

Ø The video must not contain tasteless, offensive, or vulgar content.

Ø The video files must not exceed 1GB.

For a complete list of rules and regulations, visit http://www.iit.edu/psych/events/youtube_competition or email psychology@iit.edu with any questions.

New IIT Mathmatica user group available

By Utsav Gandhi
CAMPUS EDITOR

A new feature is available for students who use Mathmatica: an IIT User Group.

Are you interested in learning more about how to use Mathematica to do amazing and useful things, or want to share your own knowledge? Mathematica is a very powerful integrated system for symbolic and numerical mathematics, graphics, data analysis, statistics, and simulation, with built-in data sources for exploring real-world (and real-time) data from many fields.

Like the parable of the blind men and the elephant, many people think they know what Mathematica is, but usually they only know a small part. IITMUG is a way to find out more.

IIT is fortunate to have a site license that allows its use by students, faculty, and staff, and even installation on personal machines. We (John Erickson, Math, and Grant Bunker, Physics) want to assess your (the IIT community's) interest in having informal monthly meetings to share tips and techniques, give brief presentations, swap code, and showcase amazing Mathematica concoctions from IIT and elsewhere.

If you may be interested in participating in IITMUG, please email bunker@iit.edu or john.erickson@iit.edu with the subject line "IITMUG". If you have a preference for (or aversion to) certain meeting times, please indicate that also.

Apocalypse feasible, not imminent

By Shreeyeh Rajan
OPINION EDITOR

Is the world going end on December 21st 2012? Should I stop making plans for my birthday? You're probably thinking why write an article about this when Google gets you around 1,980,000,000 results. I wanted to know whether or not this was scientifically true, so I attended Dr. Phil Plait's lecture "Death from the Skies!" Would we all die because of an asteroid hitting planet Earth? Dr.Plait explained how even though there have been incidents where asteroids have damaged the planet before, NASA scientists have come up with an innovative plan to stop asteroids from colliding with the Earth. Before, every scientist, physicist, and astronomer thought of different ways to break the asteroid into pieces before it touched the planet. But realizing that it's far too dangerous and risky, NASA scientists have come up with a better plan called the "Gravity Tug." In simple words, the plan is to move the direction of the asteroid's path with the help of a rocket, thus missing the keyhole. What's a keyhole? Wikipedia states that, "A gravitational keyhole is a tiny region of space where a planet's gravity would alter the orbit of a passing asteroid such that the asteroid would collide with that planet on a given future orbital pass." For example, the asteroid named 99942 Apophis has a small probability of striking Earth in 2029. But if it passes through the gravitational keyhole, we may be able to escape it in the short-term. But studies show that it may strike Earth in 2036.

What about comets? Where do we get more information about this? Well, according to Dr.Plait, never search for information about astronomy in Hollywood!

Image courtesy of portland.daveknows.org

In a very amusing way, he spoke about the scientific inaccuracies featured in a 1998 science fiction movie named *Armageddon*. For instance, in the film, the NASA director claims that the asteroid, which was the size of Texas, was "knocked out of the asteroid belt by a comet." First of all, the biggest asteroid named Ceres ever found was 900 kilometers wide. And Texas is 1400 kilometers wide. So, it's not even closely accurate. Second of all, a comet just can't kick an asteroid out of an orbit! Dr.Plait clarified how it would take years for an asteroid of radius 500 kilometers to be broken up by a comet. Third of all, there's a very slim chance of a comet actually hitting an asteroid. So, it isn't a good idea to base your thoughts on any film, especially the film *2012*.

To sum up what Dr.Plait said, even though there have been numerous scary astronomic events occurring through the centuries, NASA have come up with better space programs to combat any external object impacting our planet Earth.

Now for the popular asked question, will the world end in 2012? Why do the Mayans say that the world is going to end on December 21st 2012? According to NASA, the Mayans calendar doesn't continue after December 21st like how our calendar doesn't continue after December 31st. But just how our calendar starts a new year after December 31st, the Mayans calendar does after December 21st.

So, if the world really isn't going to end in 2012, then who came up with this threat? Recollecting the answer that NASA answered for the question "What is the origin of the prediction that the world will end in 2012?" NASA replied, "The story started with claims that Nibiru, a supposed planet discovered by the Sumerians, is headed toward Earth. This catastrophe was initially predicted for May 2003, but when nothing happened the doomsday date was moved forward to December 2012. Then these two fables were linked to the end of one of the cycles in the ancient Mayan calendar at the winter solstice in 2012 -- hence the predicted doomsday date of December 21, 2012."

I guess there isn't much to worry about now. We can all carry on with our family, jobs, education, relationships and so on. No necessity to start writing up a bucket list for the year 2012. So, to summarize this whole article, I'd like to point out a sentence that Dr.Plait wrote in his book *Death from the Skies!*, "Most of the Universe is lethal, but our little section of it is pretty cozy."
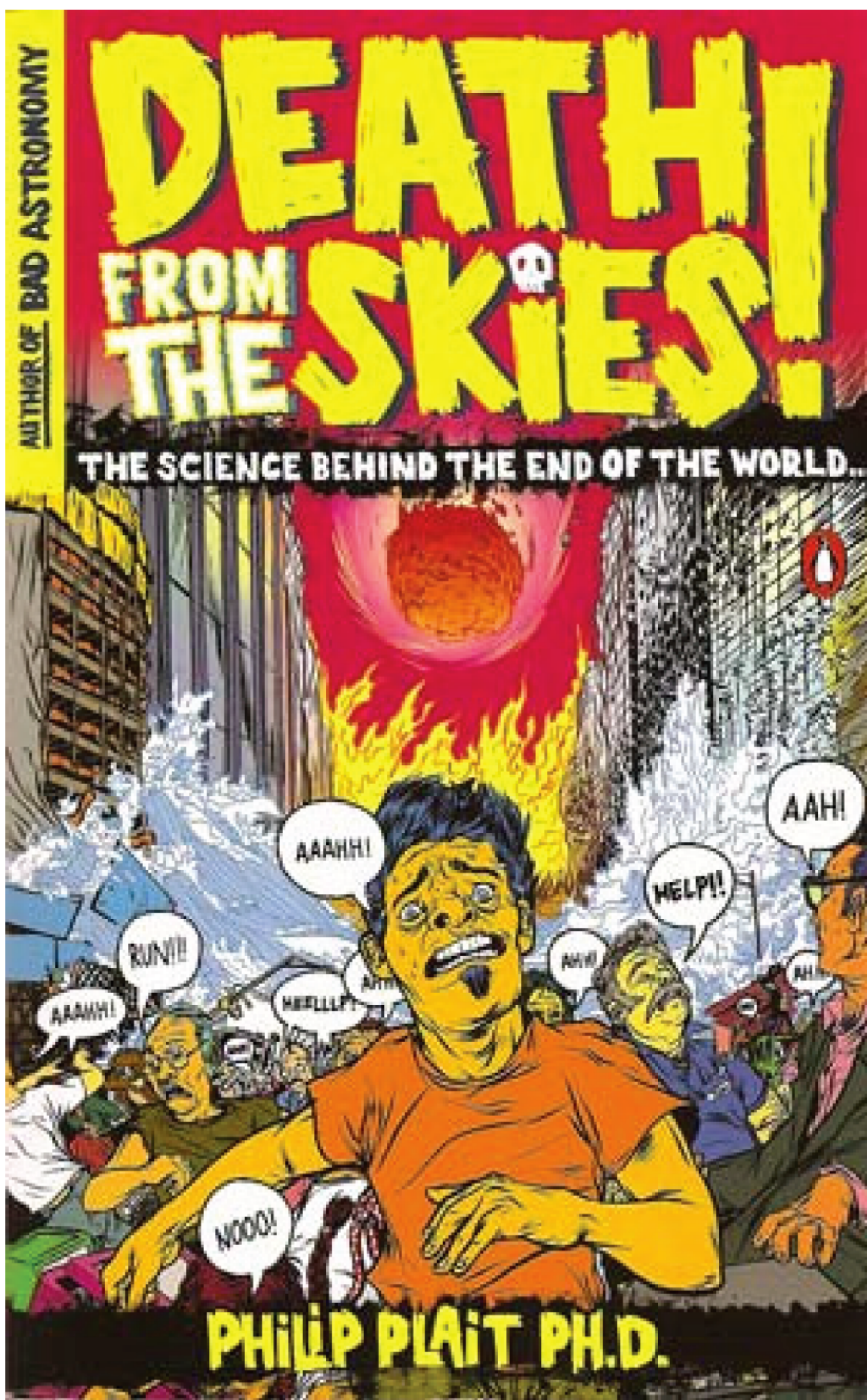

Images courtesy of omsi.edu & usu.edu

ISO hosts 2nd CTA train party

By Ibrahim El-Natour
TECHNEWS WRITER

ISO at IIT is hosting their second CTA "L" Party! If there is one thing we are famous for besides being the Windy City [and deep dish pizza] it is that we have probably one the most efficient mass transit system in the country, if not internationally.

Everyone knows that the best kind of party is a VIP party, so exclusive that you have to know someone throwing it just to get on the list.

Well, we kind of know people, and by that we mean we can get you on the list. Now what if we told you that this party is on the best train system in the world, "the L"; what would your reaction be? A party so exclusive every train car has its own DJ and its own theme.

We will have 4 cars to represent 4 locations: the Americas, Europe, Asia, and Africa. And all these cars have different food, songs, and dancing. We're actually not quite sure if you can handle a party so exclusive! And so here is where you come in, put on some traditional clothing and hop on our CTA train party.

This party will be on Friday November 2 from 7 p.m. to 10p.m. and it's so exclusive we are only letting people off the train. Boarding will take place on the 35th/Bronzeville IIT train stop; so be there early and get ready to experience a once in a life time event.

Reserve your spot! Sign up for free at http://tinyurl.com/ctaparty2012 . To volunteer to help decorate the the at the CTA train email Ayman at ayman.hamed90@gmail.com

Decorations will be provided as we try to exemplify the world cultures and regions. Simply join the CTA and us for decorating "L" party after.

Photos courtesy of ISO

I-Fest Week celebrates campus diversity with food, fun

By Ibrahim El-Natour
TECHNEWS WRITER

If money were not a concern, where would you go in this world? What would you like to see? Which crazy and interesting foods would you like to try? The International Students Organization is going to make this happen for you. 'How?' you may ask.

The week of November 5th is International Week, a week filled with activities to stimulate all of your senses. We will start off the week with the best way to start anything, that is, food. To kick-start I-Fest, ISO is proud to present 'Taste of IIT', a jamboree of eclectic and flavorful dishes from all around the world. Now you get a chance to experience new tastes and flavors in small portions, so you can try many different foods and feel your stomach crossing the globe on the MTCC Bridge. A word of advice on your journey across the globe: show up early, because the treats always get grabbed up quickly, as we like to call this day I-FEAST. Remember: MTCC Bridge, Monday, November 5 from 11am-3pm. To participate or volunteer, sign up at http://tinyurl.com/tastebooth.

That's not all this week; Taste of IIT is only the beginning. Tuesday will be I-Colors Day, a day to celebrate and show off your nationalistic pride. There will be face painting, flags, and flag stickers given out on the MTCC Bridge. This will be going on from 12-2 p.m. and 5-6 p.m. on the MTCC Bridge, on November 6.

Now that you are well fed and have shown off your national pride, it is time to step up to the challenge and participate in I-Games; a day of competition and fun, where traditional games from all around the world will be played. Bring your A-Game, because we will not go easy on you. This will be held across the MTCC Colored Rooms, November 7.

After 3 days of fun and excitement from around the globe, you have to end the week with a bang. Thursday night is the capstone of ISO events for the semester. We will start the night with the I-Fest, a night of cultural performances including singing, dancing, (bad) jokes, and a night of all around fun.

During the show we will take a brief break, but not for the audience. ISO Fashion Show will take place at this time, with a huge mix of fashion from all around the world, and then we will get back to the I-Fest performances and overwhelm you with excitement. After all that there is even an after party! Join us at the Bog from 12-2 a.m. at the I-Fest after Party. I-Fest Performance and Fashion show will be in the Herman Hall auditorium from 7-11 p.m. and the after party in the BOG will be held from 12-2 a.m. To participate in the I-Fest with any type of act, sign up at http://tinyurl.com/ifestperformance. To participate and represent any part of the world for the I-Fest Fashion Show, sign up at www.tinyurl.com/iitfashionshow2012.

To be added to our mailing list, and the rest of the excitement we have to offer - including international movie nights clothing trips and much more – sign up at http://tinyurl.com/isomaailinglist.

Vedic Vision Society:
'Law of Karma' goes around, comes around

By Sneha Saraf
STAFF WRITER

Speaker Avelo Roy began Friday's lecture, "Law of Karma," by starting with the basics of our true spiritual identity as the soul. He then explained the universal definition of a problem: something that nobody wants, everybody tries to avoid, and that which nobody can escape. These fundamental problems are called death, old age, disease, and birth. To be a responsible human being means to take advantage of our intellectual facilities and question life, or in Vedic terms, inquire into the Absolute.

With those ideas established, the speaker moved on to introduce the law of karma, which, simply put, is the science of action and reaction. Roy gave two examples to lead into this idea of karma and justice. He started by showing Princess Diana with her two children, juxtaposed with two children of obvious poverty carrying bricks on their heads, asking us to contemplate why some are born into wealth and opulence, while others are born into scenes of poverty and exploitation. With his second example, he asked us if we thought it seemed fair that Adolf Hitler, whom was responsible for the torture and deaths of millions of people, died only once by suicide.

Though it might seem that everything begins at birth and ends at death, the Vedic perspective proposes an alternative. We used to have a child's body. Now we have a youthful body, but our sense of "I am" has not changed. This sense of "I am" comes from the eternal unchanging soul, the spiritual beings that we all are. This soul continues transmigrating after the death of this body into another body, awarded according to our desires and credits from our past activities (karma). Roy gave the example of how one who likes to eat lots of meat may be awarded the body of a tiger, since that body is most suited to fulfill that desire. Of course this is a simplification to explain the idea, as karma is extremely individualized with multiple variables. According to Vedic philosophy, at every situation we are faced with the reaction of our past karma, both good and bad. And in every situation, we have the freewill to make a choice that determines future karmic reactions depending on the action performed. These reactions can be instant, delayed, or fructify in another lifetime. Roy gave the example of somebody who may choose to lie on his resume. The immediate reaction may be that he gets the job because of the lie, but later on he gets caught and dismissed. Additionally, in his next life he could find himself in the position of the boss or hiring manager and get cheated by a new employee who lies on his resume. Again, this is a simplification to explain a concept.

Our free will is strongly influenced, however, by our sense of "I am", in conjunction with the mind and senses. This perspective drives the choices made and therefore the subsequent reactions encountered. For example, one who identifies himself as a man or an athlete or scholar will see the world from that respective viewpoint, and the actions are influenced according to that sense of material identity.

Roy compared karma, or the universal law of actions and reactions, as the neutral force of justice. Just like a police officer gives a speeding ticket to any violator, so too we will face the consequences, both good and bad, of our decisions and actions. Reactions from previous pious activities, like being born into a good family, wealth, beauty, etc. are nice, but are equally binding because it still does not allow us to escape the problems of life. Beautiful people also get old, wealthy people also get diseases, well-educated people also die, and so on.

Therefore, Roy concluded by explaining that by using this human form of life to inquire into the Absolute and leading a God-centric lifestyle, we can perform activities beyond the law of karma. These activities are karma-free, and when there are no more karmic reactions, the Vedas state that one no longer has to face the four problems of birth, disease, old age, and death.

As always, the lectures are available for viewing and discussion on facebook.com/vedicvis.

Sun sets on IIT, warm weather wanes

Photos by Nick Caldwell

Pressure sensitive grip for smart phones coming soon

By Karthik Kumar
LAYOUT EDITOR

Imagine walking with your smartphone on a cold winter day in Chicago and finding your way in this huge metropolis. One has to remove his gloves constantly and operate the touch screen in the extreme cold. Also imagine standing in a CTA train or bus which is fully crowded and using one hand to steady yourself and the other to operate the smart phone.

This new Grip UI makes that one-handed interaction easier by adding pressure sensors to the left and right edges of a phone. NTT DoCoMo has launched smart phones having this new user interface and showcasing it at CEATEC (Combined Exhibition of Advanced Technologies). These phones have a standard touch screen, but the users can also launch different apps by gripping the phone at different locations, i.e. these sensors react when they are squeezed. These smart phones are programmed to identify a number of predefined "squeeze gestures" that respond to amount of pressure applied at varying locations on the sides of the smartphone.

Now with a growing demand for longer, wider phones, or so-called Phablets, make the single-handed interaction very difficult. While using modern phones it becomes difficult for the user to move his fingers while maintaining a grip on the handset. Therefore, to make the single handed interaction simpler, DoCoMo is looking into adding new ways to control smartphones with this new interface.

There are a few technical issues to be worked out, like building a new sensor which can differentiate between the fingers used when they are placed across the device and be able to detect false positives and unintentional squeezes.

It would certainly be necessary for the R&D team to include the option of individual device calibration as it will increase the usability factor and also develop an algorithm which could detect grip pulses which will be more effective when compared to using long versus short grips for various commands.

But this new interface could open new avenues for user control. Detecting the differing pressure with the help of sensors that are placed the whole length of the phone could lead to an expansion in programming a number of different commands.

Also for people with certain handicaps this new interface allows them to take full advantage of mobile device and presents a new option for game and program control.

Microsoft Surface Tablet previews large memory, lightweight build

By Rohit Vandanapu
LAYOUT EDITOR

Look who's in the tablet market, increasing the rivalry. The top elite company, Microsoft, has announced its tablet "Microsoft Surface" to be launched to the market on October 26, 2012. It is an upcoming series of tablets to be available in two distinct versions: one with Windows RT and another with Windows 8 Pro.

Windows RT is effectively the light version of Windows 8, as it does not have the desktop version of Windows 8, which runs only the apps offered by the Windows app store and Microsoft Office. Windows RT is an upcoming version of the Windows 8 operating system, and is being used for devices such as tablets. It runs only on the software available through Windows Store or the one in Windows RT. The RT acronym does not officially have an explanation.

A few months after the launch of the Microsoft Surface Windows RT tablet, the Windows 8 Pro tablet will be available in the market which will completely run on the Windows 8 operating system.

The following are the tech specifications for the tablets.
Processor:

This is the vital part of the system. Windows RT runs a Nvidia Tegra 3 CPU while the Surface Pro runs on Intel third generation Core iCPU.
Screen:

The RT version of the tablet will have 1,366*768 screen, while the Surface Pro version will have at least 1,980*1,080 pixels. The screen size for both the tablets is 10.6-inch.

The screen's 16:9 aspect ratio is identical to that of HDTV, which implies all entertainment can be viewed in full screen with no stretching or letterboxing. It does have two digitizers: one for touch and the other one for digital ink. As long as the stylus is being used, the touch sensor will be off so that there are no discrepancies.
Covers:

There are two types of cover and keyboard attachments: Touch cover and Type cover. Both the covers are attached magnetically to the edge of the tablet and can act as either a cover for the screen or a keyboard. It allows one to type comfortably.
Camera:

Both the versions of the Surface have front and rear HD cameras.
Weight:

Surface RT weighs 23.85 ounces while Surface Pro weighs 31.85 ounces.

Thickness & Battery:

Surface RT is 9.3mm thick and Surface Pro is 13.8mm thick.
Storage Capacity:

Surface RT version offers storage capacity of 32GB and 64GB while the Surface Pro offers 64GB and 128GB.
Price:

The Windows RT 32GB starts from $499 which is slightly a higher price than an average new tablet.

Image courtesy of microsoft.com

Avian Sayings

By Myles Mellor and Sally York

Across
1. Stopping point
5. Mischievous god
9. Regional flora and fauna
14. Accomplished
15. Masculine side
16. ___ management
17. Gain wealth wrongfully
20. UK soft drink
21. Perennial plants
22. Refines
25. Clear
26. Provided relief
28. Back talk
32. Conelike structures
37. Window alternative
38. Subject of parent-child talk
41. Alleviated
42. Some eyes and teeth
43. "Isn't it a ____," Harrison song
44. Old Faithful, e.g.
46. Other side
47. Italian city
53. Pristine
58. Mexican bread
59. Confess
62. New World lizard
63. Gulf leader
64. Fill beyond full
65. Less
66. Fishing site
67. Genuine

Down
1. Drifts
2. Crosswise, on deck
3. Grassy plain
4. Surrender
5. Burn cause
6. Galley tool
7. Turning point?
8. Slight, in a way
9. Established
10. ___ of Court
11. S-shaped molding
12. Check
13. Fine things?
18. Radioactive
19. Chisholm Trail town
23. It grows on you
24. Young herring
27. "Rock the Boat" music
28. Bronx cheer
29. Brings into play
30. Bug out
31. German historian Joachim
32. Dance bit
33. Pad ___ (noodle dish)
34. Leftovers
35. Mind
36. Nod, maybe
37. Pop-ups
39. Astringent substance
40. Perceive
44. Arias, usually
45. Looked secretly
46. Manicurist, at times
48. Place for sweaters?
49. Perspicacity
50. Bartender on TV's Pacific Princess
51. Needle point?
52. Still
53. One of seven branches
54. Supreme Court count
55. Singer Phoebe
56. Rake's look
57. It's just for show
60. Melody
61. Blubber

数独

The word Sudoku, above, is actually the abbreviation of *Suuji wa dokushin ni kagiru*, meaning "the digits must be single" or "the digits are limited to one occurrence."
Source: Wikipedia

The First Day of the Rest of My Life

By Adin Goings
ART EDITOR

Final week of conference brings season closer to end

By Roma Mirutenko
STAFF WRITER

Photo courtesy of Women's Volleyball

This past week, the Illinois Tech Women's Volleyball team saw a long string of matches. From a match at Judson University to their home tournament, the Scarlet Hawks finished with a record of 2-3.

Last Tuesday the Scarlet Hawks played Judson University who they had beaten earlier this season. This match was an important one for Tech, but when it came down to it the errors could not be stopped. Tech was able to win the first set 25-23, but then lost the next three 24-26, 17-25, and 19-25. The standouts were Sophomore Taylor Duman and Junior Kate Kendall, both with fourteen digs. The match was a tough loss for the Scarlet Hawks, because it almost guaranteed they could not make it to the conference tournament, for the first time in many years.

The Scarlet Hawks played in the Chicago Collegiate Athletic Conference Tournament, where they finished 2-2. On Friday, the Hawks played Purdue Calumet winning 3-0. After, they played St. Francis University. This match started off great for the Hawks, beating the number 2 team in the conference 25-21. After this set Tech fell apart, losing the next three sets. On Saturday the Hawks played Calumet College of St. Joseph, beating them in four sets. After this victory, the team faced up against the number one team in the conference, Trinity International University, who won in three sets.

This coming week, Tech plays two matches, the first is on Tuesday against Roosevelt University. On Thursday, Tech will play St. Xavier University at 7:00 p.m. at Keating Sports Center. This will be senior night for the team, who will be saying goodbye to three seniors this year. Come on down and support the Scarlet Hawks!

San Francisco Giants post back-to-back shutouts in World Series

By Ciaran Kohli-Lynch
SPORTS EDITOR

The San Francisco Giants look destined to be crowned World Series champions after posting successive shutouts in the second and third matches of the World Series.

The Giants now hold a 3-0 lead over the Detroit Tigers and a victory in Game 4 at Comerica Park in Detroit will be enough to clinch the title.

Key to this success has been the commanding performances of the Giants' pitchers, notably by starter Ryan Vogelsong.

The Giants are the first team to post back-to-back shutouts in the World Series since 1966, a feat nothing short of remarkable when you consider the batting prowess in the Tigers' squad.

Triple Crown winner Miguel Cabrera had the best opportunity to change the match for Detroit during Game 3.

Trailing 2-0 in the fifth inning, Cabrera approached the plate with the bases loaded, but the Venezuelan popped out. After this, the Tigers struggled to create more attacking opportunities, and the Giants took a large step closer to their third World Series victory in three years.

Men's soccer lose on the road to Calumet

By Liam Barrett
STAFF WRITER

IIT travelled to Calumet in their last conference game of the season, after already securing a position in the end of season playoffs.

The conditions were far from conducive, with an uneven surface and a strong wind that prevented either team from keeping possession for long periods of time.

IIT started the stronger team and got into many good positions within the final third without truly testing the opposing goalkeeper.

However, after half an hour, the scarlet Hawks found themselves 1-0 down after a quick breakaway directly through the center of the field, leaving IIT keeper Casey Krapfl isolated and unable to prevent the home side taking the lead.

The score remained 1-0 going into half time, despite IIT continuing to press and dominating the possession.

The second half would be another 45 minutes of frustration for IIT, as they failed to find the elusive equalizing goal, although they did force Calumet's goalkeeper to make a number of impressive saves.

Overall, the Hawks will be disappointed with the result, but may feel done-in a game where the home team was content to defend their lead, rather than take the game to IIT.

The Hawks now have a week to prepare for their vital playoff quarterfinal, which will be away to rivals Saint Xavier, and looks destined to be an entertaining fixture.

2nd place at NAIA Great Lakes Challenge XC Invitational

By Kira Vincent
STAFF WRITER

On Saturday, October 20, both the men and women cross country teams travelled to Grand Rapids, Michigan to compete in the NAIA Great Lakes Challenge XC Invitational. Both teams ran well and a number of individuals set personal records.

In the women's five kilometer race, Abby Jahn was the first Hawk across the line, running over a 30 second personal record, in a time of 18:02 for the 2nd overall place. Courtney Rouse followed Abby, also running a personal record, in a time of 18:35 for the 14th overall place. Third, fourth and fifth places on the team were Jordan Kelch, Kira Vincent and Anne Crotteau with times of 19:56, 20:18, and 20:36 respectively. Finishing out the sixth and seventh places for the team were Claudia Garcia and Sara Glade with times of 20:42 and 21:17 respectively. This was Sara's first cross-country race, and she has proven herself to be an essential component of the women's team. The women's team placed 12th out of 32 teams.

Phillip Cano led the men's team in their eight-kilometer race with a time of 26:54. Zach Gates and Ethan Montague followed close behind with times of 26:58 and 27:00 respectively. Kenny Murphy was the next teammate across the line in a time of 27:04, and Landon Vowels finished off the scoring for the team with a time of 29:25. Jefferey Somerfield and Andrew Montague ran sixth and seventh for the team with times of 29:38 and 30:04 respectively. The men's team placed 17th out of 34 teams. Both teams will be racing in the Conference competition on Saturday, November 3. There will be a fan bus for anyone who is interested in coming to watch the teams compete in this last race of the season.

Premier League Review: Chelsea keeps top position

By Nathan McMahon
STAFF WRITER

The Premier League had another round of matches this weekend. Aston Villa drew with Norwich City 1-1. Villa took an early lead off a goal from Christian Benteke. Early in the second half, Villa defender, Joe Bennet, was sent off after receiving his second yellow of the match. Michael Turner quickly took advantage of the extra man and scored for Norwich. Villa remains a point below Norwich with 6 points. Arsenal needed a late goal from Mikel Arteta in order to get the three points from Queens Park Rangers. Arsenal remains in the top 4 with 15 points while QPR continues its struggles sitting on the bottom of the table with 3 points.

Reading and Fulham drew 3-3 in a thrilling match full of late goals. Fulham got its goals from Bryan Ruiz, Chris Baird, and Dimitar Berbatov, while Reading got its goals from Mikele Leigertwood, Gareth McCleary, and Hal Robson-Kanu. Fulham is just outside the top four with 14 points while Reading remains in the bottom three with 4. Stoke and Sunderland ended in a 0-0 draw in a rather uneventful match. Both of the sides sit with 9 points on the table.

Wigan Athletic took down a strong West Ham side in a 2-1 victory. Wigan got its goals from Ivan Ramis and James McArthur, while West Ham saw its lone goal come late in extra time from James Tomkins. Wigan collected an important three points and has 8 points now while West Ham remains near the top with 14 points.

Carlos Tevez elevated last year's League Champions to a 1-0 victory over Swansea City. Manchester City is in second place with 21 points while Swansea has 11 points. Liverpool and Everton drew 2-2 with all four goals occurring in the first half. Luis Suarez, along with a goal by Leighton Baines got Liverpool its two goals. Everton got goals from Leon Osman and Steven Naismith to secure the point. Liverpool continues to struggle, but managed to move up the table with 9 points while Everton remains in fifth with 15 points.

Newcastle United was able to escape their match with West Brom with three points after an extra time goal by Papiss Cisse. Demba Ba scored the other goal in the Magpies 2-1 victory, while West Brom got their goal from Romelu Lukaku. West Brom now has 14 points with Newcastle just a point behind them with 13. Tottenham stars, Gareth Bale and Clint Dempsey, both scored to secure three points for Spurs in 2-1 fashion over Southampton. Southampton got their lone goal from Jay Rodriguez and continues their Premier League struggles with just 4 points. Playing quality soccer, Tottenham remains in the top four with 17 points.

The matchup between Chelsea and Manchester United looked to be the most intriguing matchup of the weekend and it did not disappoint. David Luiz scored an own goal putting United up early, and followed with a goal by Robin Van Persie. Juan Mata and Ramires brought Chelsea even, but two red cards within five minutes for Fernando Torres and Branislav Ivanovich gave United the chance they needed to succeed. Javier Hernandez scored what proved to be the winning goal. United claimed the three points in the 3-2 win - which puts them, along with rivals Manchester City - just one point behind Chelsea, who are in top position with 21 points.

University
CALENDAR

Tuesday, October 30th- Monday, November 5th

October 30. TUESDAY

1pm IEEE General Body Meeting @ Siegle Auditorium
1pm Union Board's General Body Meeting @ MTCC Auditorium
6:30pm MadLab! (AICHE) @ Wishnick Auditorium
7pm GLAM General Body Meeting @ MTCC 516
9pm Feminists United General Body Meeting @ MTCC 516

November 01. THURSDAY

10am SHPE Breakfast Fundraiser @ MTCC & E1
12:50pm US Elections and Policy Panel @ MTCC Auditorium
3pm Dia De Los Muertos Celebration @ MTCC Welcome Center
5:30pm The Power of the President: How Much Is Too Much?
       @ Herman Hall Auditorium

October 31. WEDNESDAY

12:50pm U.S.A. General Body Meeting
       @ Herman Hall Crown Room

November 02. FRIDAY

7pm First IIT BasketBall Game @ Keating
8pm Halloween Costume Party @ BOG
2:30pm JFAS Weekly Meeting @ Idea Shop
7:30pm el-party @ MTCC

November 05. MONDAY

12pm TASTE OF IIT @ MTCC Bridge
1pm Programming Workshop @ MTCC 516

ub union board
UB@IIT.EDU

HAPPY HALLOWEEN