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Kilpatrick, Sigma Xi lectures expose students to new, stimulating concepts

Utsav Gandhi
CAMPUS EDITOR

IIT students were exposed to a couple of fantastic great opportunities to hear from and discuss ideas with some great minds over the last couple of weeks, with two annual lectures being held to celebrate the rigor of IIT's academic and research components. The Department of Chemistry's annual Kilpatrick Lecturer was Dr. Daniel Nocera, Harvard professor of Energy, inventor of the "Artificial Leaf", and the IIT Research Day/Sigma Xi Lecturer was noted science photographer Felice Frankel.

Held on a rainy afternoon on April 17, the annual Kilpatrick Lecture continued the legacy of IIT alumni Martin and Mary Kilpatrick who have left huge imprints on IIT's academic portfolio, and whose legacy includes this flagship annual lecture bringing to campus some of the country's best minds in research. Stating the importance of the Chemistry Department at IIT, CSL Dean Betts mentioned its renewed presence on campus integrated with the Lewis College of Human Sciences, which would be quite a throwback to its campus history of recently retired Professor Peter Lykos, having played a crucial role in starting the Computer Science Department with the revolutionary field of computational chemistry. He then introduced Dr. Daniel Nocera, Harvard Professor of Energy, who he called a "true scientist [in his efforts to] to improve the immediate world around him and the global community." The Artificial Leaf, his creation, has been named as one of the top "Inventions of the Year" by TIME magazine in 2011 and has been highlighted prominently in national media.

Dr. Nocera began his talk by stating that technology schools are becoming increasingly outcome oriented, meaning that they are coming up with revolutionary insights in research by working backwards from the desired outcome. He said that his work environment at Harvard allows him to collaborate with interdisciplinary teams, and he highly recommends those scenarios if we are to bring about significant changes in our approach to thinking. He said that he had started working on the artificial leaf at the age of 22, his primary motivation was wanting to invent something you could drop into the water that would split it. He said that intrinsically everything is a chemistry problem; and that today's Anthropocene is seeing us interfere with natural earth systems. He recommends that we need to move to the 'Sustainocene' - away from unsustainable, widening gaps between the haves and the have nots. Access to food, water and security aside, energy security predictions say that we will need 16TW more by 2050, counting 3 billion more people, all in the emerging economy.

So, how do we 'do' science for all these extra people? Suddenly, the fastest, biggest, tiniest, and the best is not the way to go forward. Cost is the first issue: we need something cheap, lightweight and easily manufactured. We need carbon neutral energy sources and a distributed system of energy to reach these people. In academics, we don't have to worry about politics and the stock market. Rather, the key for any renewable energy is storage. Compressing air energy storage and batteries are not going to help 6 billion people. His artificial leaf, a playing card-sized device is made up of cheap materials—silicon, cobalt and nickel mostly—and when placed in a con-

tainer of water and exposed to sunlight, it generates bubbles of oxygen and hydrogen. Those gases can be collected and stored—much more easily than the electricity produced by a photovoltaic solar cell—and then used to generate power through a fuel cell.

The Sigma Xi Lecture was delivered via Skype conference by Science photographer Felice Frankel, a research scientist in the Center for Materials Science and Engineering at MIT. Collaborating with scientists, designers and engineers across a host of disciplines, she creates images and graphics for journal submissions, presentations and publications to advance the public understanding of science. Her books include *Envisioning Science: The Design and Craft of the Science Image*, *No Small Matter: Science*

Eric Faurie, *Ali Riaz*, *Abdulhman Arnaout*, and *Emilie Woog*, all from ECE; and the Sigma Xi Excellence in Research and Scholarship Award recipient was BME grad student *Bin Jiang*. The poster contest winners were *Chris Barth* (Biomed. Eng.) *Microstructural Integrity of Brain White Matter in Non-Demented Older Adults Associated with Frequency of Cognitive Activity in Late Life* (3rd place), *Christopher Stovall* (MMAE) *Characterizing Turbulent Gusts in an Urban Environment for Use in Micro Air Vehicle Applications* (2nd place) and the team of *Abdulhman Arnaout*, *Emilie Woog*, *Ali Riaz* and *Eric Faurie* (Elec. and Comp. Eng.) *RF Measurements to Support Dynamic Radio Spectrum Sharing*. The Graduate winners were *Bo Hu* (Chemistry) *C-H*



on the Nanoscale, co-authored with *George Whitesides*, *On the Surface of Things: Images of the Extraordinary in Science*, also co-authored with *G. M. Whitesides* (who, coincidentally, was last year's Kilpatrick Lecturer). Her most recent book, coauthored with *Angela DePace*, is *Visual Strategies, A Practical Guide to Graphics for Scientists and Engineers*.

She started off by saying that visual representations are explanatory or exploratory, and that good representation needs good design. Fundamentally, representations are RE-presentations: they are interpretations, decisions, and clarifications. They need to make the bystander look. Good art also almost always needs good writing to accompany it, and by default, and good art also goes beyond just making the bystander look - it shows him/her the process that is being explained. She also made a case for using metaphors and simplistic arrows to give the viewer some room to breathe and the idea of using interactive graphics to layer data, giving the user the ability to decide what data they want to look at. Finally, she stressed the importance of collaborating on visual representations, to look and critique each other's work on representations together. Researchers need to communicate with designers, who need to have a curiosity.

The Sigma Xi event included a poster competition with 49 posters from CSL and ACE students. About 35 faculty members volunteered as judges. The Undergraduate Division winners were



activation by heterogeneous single site Fe(II) silica supported catalyst (3rd place), *Elif Bayrak* (Chem. and Bio. Eng.) *Multi-Agent Systems for Modeling Vascularization and Tissue Growth within Porous Biodegradable Scaffolds* (2nd place), and *Sahar Hendabadi* (MMAE) *A Novel Technique to Identify Transport Templates in the Human Left Ventricle Using Doppler Echocardiography and Computational Modeling* (1st place).

Photos courtesy of Office of Provost for Research & Abdulhman Arnaout

IIT high school outreach efforts include building, math competitions

Luis Larco
TECHNEWS WRITER

During their undergraduate studies at the university, IIT Presidential Scholars commit to a significant community service project in the areas of Science, Technology, Engineering, and Mathematics. These outreach initiatives are intended to enrich and build capacity the academic options of students in both the IIT/Bronzeville/Chicago area and their sending and nominating communities. As part of his IIT Presidential Scholarship, *Luis Larco*, a Miami Dade College graduate, initiated a series of competitions for Chicago high schools.

IIT Build-it Competition (www.iit.edu/~tbp/build-it/) is an applied science competition where teams competed against each other to design and build the best solution to an engineering problem using the materials provided. The competition required no preparation prior to the competition day. It was hosted on Saturday, April 6th, at IIT's main campus, bringing 11 teams from 7 different high schools in Chicago (42 students). This year, the teams had to design and construct a cargo boat that is as efficient as possible, based upon the ratio of mass held / mass of the boat, before any water touches the loading cup.

The winning teams received a trophy and were recognized during the awards ceremony. Team IHSCA Power Builders from Instituto Health Sciences Career stood first, Team Soaring SHPE from Benito Juarez Community Academy were the runners-up, and Team Sullivan House from Sullivan House High School/Team Undefined from UNO Charter High School stood third with a technical tie.

This competition is a student-led project, sponsored by the Armour College of Engineering, the IIT Chapter of Tau Beta Pi, and the Office of Student Access, Success and Diversity Initiatives, and had 20 IIT engineering students volunteering.

The IIT High School Mathematics Competition (www.iit.edu/~mathclub/hscompetition/) was hosted on Saturday, April 20th, bringing 73 students from 9 different schools in Chicago. This competition is open to all secondary schools, public and private, in Chicago. All secondary school students are eligible to participate, although it is recommended only for those who have had courses up to pre-calculus algebra, and trigonometry or higher. The competition is divided into two evaluations: an individual exam and a team exam. A maximum of two teams are allowed per school, each consisting of a five or less students. However, the schools are allowed to bring as many students to participate in the individual exam.

The event was sponsored by Wolfram Research, who donated 18 Wolfram Mathematica 9 licenses (15 for the top three teams and 3 for the top 3 individual winners), as well as some other fun items, including Wolfram's dodecahedrons and posters.

The winning individuals were *Christopher Shroba* from Marist High School (first place, with 25/26 points), *Yoonho Nam* from Marist High School tied with *James Costin* from Marist High School (second, with 24/26 points), *Kathy Ulaszek* from Marist High School tied with *Mark Triezenburg* from Marist High School with 23/26 points for third place. The winning teams were Team Yoon Nam from Marist High School, Team Redhawks from Marist High School and Team Two from Lindblom Math & Science Academy High School for first, second and third place respectively.

This competition was not just a great event for the student participating, but it was also great for their teachers/coaches. While the students were taking the team exam, we had our Math Club advisor, Professor John Erickson from the Applied Mathematics department, leading a training seminar for the teachers on how to solve the competition problems. This event was co-sponsored by the Applied Mathematics Department, the IIT Math Club, and the Office of Student Success, Access, and Diversity Initiatives.

Both of these events were considered a success not just for IIT and the high schools participating, but also for our Chicago community. The organizer plans on hosting them again next year and also adding a new competition: The Illinois State Mathematics Olympics for Two-Year Colleges in the state of Illinois, bringing community college students on a Saturday to IIT to participate in an intense mathematics competition, and hoping to award the first place individual winner with a transfer scholarship to IIT.

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IIT confessional Facebook page returns

Hannah Larson
ASSISTANT EDITOR

It's back!

The infamous "IIT Confessions" Facebook page was taken down earlier this semester due to complaints, and it was building a nasty reputation. A TechNews opinion article last January, called for the page to cease operation after it had published 500 submissions, and perhaps received many more. The article was concerned about the integrity of the student body, what these "confessions" said about incoming students, and what it implies about IIT's morale, both within, and outside our institution of higher education.

The new incarnate, titled "Confessions of IIT Students," was created on April 8, and claims to be run by a different group of people than "IIT Confessions." They accept submissions through email (IllinoisTechConfessions@gmail.com), or through direct messages from a personal Facebook account to the page. This does not strike me as a way to collect "anonymous" submissions, at all. Facebook and email communication can reveal personal details that make it easy for someone surmise your real identity, not to sound overdramatic.

I have no idea whom, or what group of people runs this new page, but I can certainly guarantee that these submissions are far from "anonymous."

Between the posts that clearly make no sense, there are several that are especially vapid.

Many concern relationships, most of which express disdain for the 70 to 30 male to female ratio on campus. The problem with all of these "confessions" is that the people who post them are under the impression that women are on campus, for their pleasure: whether sexually, visually, or relationship-wise.

Whether or not you deem the women on campus worthy enough for your fedora-wearing, neck-bearded, NiceGuy™ selves that is not why any woman attends IIT.

I know I sound like Fred Armisen's feminist bookstore character, Candace, from Portlandia, but it's true. If you came to college looking for a romantic experience, and expect the people around you to fawn over you, and serve you, in the form of relationships and/or sex, then why the hell did you come to IIT, let alone any university?

While traditionally the college campus is regarded as a horny mating ground for rambunctious co-eds, this isn't "Animal House," and you aren't John Belushi.

I've always regarded IIT as a studious place, where we party just as hard as we study, but that's no reason for some people to expect other people to be obligated to look and act a certain way.

Autonomy is so hot right now, (so hot.)

Other confessions suggested that IIT sorority members thought they were "better" than sorority members at state schools, some called women on campus "damn ugly" and suggested that men prioritize their preferences over establishing a meaningful connection with a potential partner.

As well as inherently misogynistic posts on this Facebook page, I've also noticed some that are attacking people's sexual identities and gender expressions.

Post #169 begins with someone objectifying a potential date, and ends with a transphobic slur, "So I pick this cute ass girl at iit [sic] (everything looked all right. had nice boobs and alll [sic] right ass). We went to dinner, made out and had a pleasant data [sic] at the CTA...When we came back and started closing the deal, I got a surprise. She had some extra junk in front. Since then I am actively seeking therapy and have a huge trust issue with girls.

 Confessions of IIT Students
April 24 near Chicago

Post #193: "people, I can feel you're awkward and asexual vibes as I approach campus....go drink more than a few drinks and get naked -thank you" ~Anonymous

 Confessions of IIT Students · 600 like this
8 hours ago

Post #169: So I picked this cute ass girl at iit (everything looked all right. had nice boobs and alll right ass). We went to dinner, made out and had a pleasant data at the CTA... When we came back and started closing the deal, I got a surprise. She had some extra junk in front. Since then I am actively seeking therapy and have a huge trust issue with girls. GUYS BE AWARE. SHEMALES ON THE HUNT!~Annymous

Images courtesy of Confessions of IIT Students

GUYS BE AWARE SH***** ON THE HUNT!"

Let's point out the obvious flaws; first, don't take someone out on a date to the CTA, at least take them to a restaurant. Second, I won't even mention the atrocity that is the grammar and spelling of this post. Third, (this is going to be a huge truth bomb) some women have penises, and some men have vaginas. Not everyone is cisgender (sex assigned at birth aligns with gender.)

The trans* community at IIT has little, to no visibility. According to Trans Student Equality Resources (TSER), 80% of gender non-conforming students experience verbal harassment in the past year because of their gender expression. While the Gender, Violence, and Resource Access Survey found 50% of trans* people have been raped or assaulted by a romantic partner.

Whether you would like to believe so or not, things like this happen on IIT's campus. Stigma against the trans* community, and the rape culture in which we live in, promote outdated ideas like the existence of a gender binary (the idea that there are only two genders), when in fact gender and sexuality are fluid. Rape culture also leads to skewed data, because sexual violence is not often reported, or taken seriously.

I like to say that IIT does not discriminate against anyone due to his or her race, ethnicity, culture, sexual orientation, gender expression, et cetera, but I am apparently wrong. Transphobia is real, and it's happening on this campus.

I won't go on to scold this person anymore, or any other people who think this way, but they definitely deserve some education, because they obviously aren't getting any worthwhile lessons at IIT.

Ways to combat transphobia in everyday life, include: calling people by their preferred name and gender, don't compliment someone by telling them they look like "a real man/woman" or "you never would have known," do not tell a third party of a person's status without their consent, don't fetishize those who identify as trans*, words like "tr*nny," "sh*male," "h*-sh*", and "sh*m" are never okay to use, under any circumstances. For more trans* resources, visit transwhat.org, or for local resources, contact Chicago's The Center on Halsted, at centeronhalsted.org.

Social steps to end transphobia have resulted in movements for trans* rights in the marriage and job equality bills across the nation, as well as a call for gender-neutral bathrooms to become the norm.

The trans* community was explicitly left out of the Obamacare bill, and it would have covered any transition procedures, but because of transphobia and discrimination, it was purposefully left out of the bill.

IIT (like many other institutions of higher education have already done) should plan for gender-neutral bathrooms in the new

construction that has been announced. Most buildings already lack an adequate number of female restrooms, and many are handi-capable, and are single-person bathrooms already. Proper signage, and acceptance promoted by IIT would help combat transphobia on IIT's campus.

Another rude comment cited IIT's "asexual vibes" in Post #193, "people, I can feel you're [sic] awkward and asexual vibes as I approach campus...go drink more than a few drinks and get naked -thank you." I will reiterate, people are autonomous. They are allowed to be attracted, or not attracted to people, regardless of sex, gender, gender expression, race, ethnicity, culture, et cetera. Telling people to binge drink to behave like society says they should is inappropriate, and stupid.

There are a few confessions that redeem this page.

One is a confession of a student's love of BDSM (bondage and discipline, dominance and submission, sadism and masochism), and many other students commented and gave advice on the subject. It was a great display of an open, sex-positive conversation, happening at IIT.

Another was a Muslim student's confession that they thought their homosexual friends were judging the confessor for his/her faith, when in fact, they were perfectly accepting and open to anyone that has different beliefs.

Post #246 suggests that IIT students should stop bullying, and speak up for others that have, or are being bullied.

This page is also a place for students to air their grievances with the administration; one post mentioned the confessor's ill will towards the Athletic Department Director for his decision to change divisions (which past issues of TechNews have discussed.)

There are other Facebook pages that are far more informative, and positive about IIT. Like the "Illinois Institute of Technology: Admitted Undergraduate" page. With over 1700 members (whereas the Confessions of IIT Students page has 700 fans), this page is one where discussions and forums are posted. Positive and reactionary results have been started in this Facebook group, and I hope they continue.

When IIT Confessions was popular, I questioned the integrity of the people policing the page, and how the administration could be okay with terrible personal statements being associated with IIT, but now I realize it's not these pages that are the problems, it's the people who submit confessions. We eat in the Commons and Center Court with these people; we sit next to these people in classes. We allow them to think this way.

It's the people who express nasty, judgmental opinions through these avenues only to show how terrible they really are; they're the real problem.

IIT Student Technology Survey results

Karina Powell
OFFICE OF TECHNOLOGY SERVICES

The 2013 IIT Student Technology Survey has successfully come to a close. In comparison to the last survey, which was conducted in 2011, this year's results show a significant increase in satisfaction with technology services. The survey response rate was approximately 20%, with the greatest response from students in their first and second years.

How Students are Using Technology: Over the past two years there has been a dramatic increase in the use of mobile devices. This increased mobility highlights some of the technology services that are most important to students.

Over 96% of students own a laptop, and 97% of laptop owners also have an Android or an iOS device, with 18% reporting they own all three. All of these mobile devices have a significant impact on the wireless network resources on all campuses. To support the increasing number of mobile devices, OTS has more than doubled the University's bandwidth, and invested significant resources into the wireless network.

IIT Network: Providing a fast and reliable wireless network is one of OTS's most important services. Over the past few years OTS has strategically upgraded areas within Main Campus from Wireless G to secure (encrypted) Wireless N, which offers improved wireless service to the IIT community. This transition has taken place in stages to limit interruption or connectivity difficulties. The transition is almost complete and secure Wireless N service is available in most academic buildings as well as student centers, and on-campus housing.

As illustrated by the accompanying graph, satisfaction with the IIT wireless network has improved over the past two years. Student satisfaction with the reliability of the IIT network on Main Campus increased 16.5% from 2011, with a 76.5% satisfaction rate

overall. Student satisfaction with regard to IIT's Main Campus wireless network coverage increased to 79% of respondents expressing satisfaction, up from 60% in 2011. On-campus resident satisfaction with the IIT network is also higher than in previous years, with 70% indicating that the network in their residence is sufficient for their needs.

Although there have been significant improvements there is still a need to expand and enhance wireless services. Completing the Secure Wireless N deployment on Main Campus remains a top priority for OTS.

Blackboard: As students are becoming more mobile, utilization of Blackboard has also increased with 87% of students stating that Blackboard has been used in at least some of their classes. Of the respondents, 78.5% reported that Blackboard was used for more than 80% of their classes. Students reported that it is easy to access, gives greater control over their class workload, and enables them to accomplish classwork more quickly. Additionally, the Gradebook was indicated as a helpful new tool. The Blackboard Mobile Learn App is an added service that provides a mobile web page for each IIT class. This application brings the Blackboard teaching and learning tools to a mobile device, giving students and faculty access to their courses wherever they are.

The majority of students did endorse ease of access on mobile devices, though there was slightly less support for this experience. Dissatisfaction with accessibility of the Blackboard Mobile Learn App was largely due to Blackboard beginning to charge for the app in Fall 2012. To help lessen the impact of this fee, IIT is refunding students the cost of the app as a HawkCard credit. Refunds can be requested by contacting the OTS Support Desk at supportdesk@iit.edu.

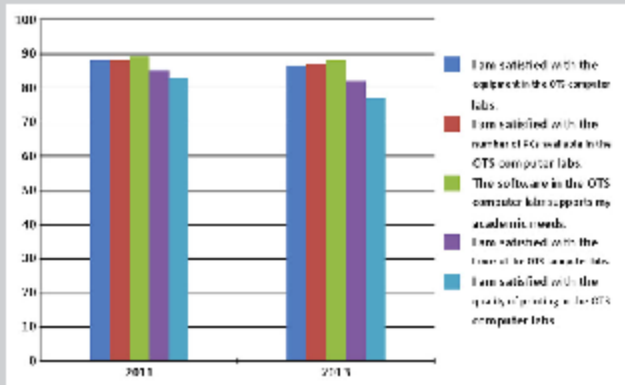
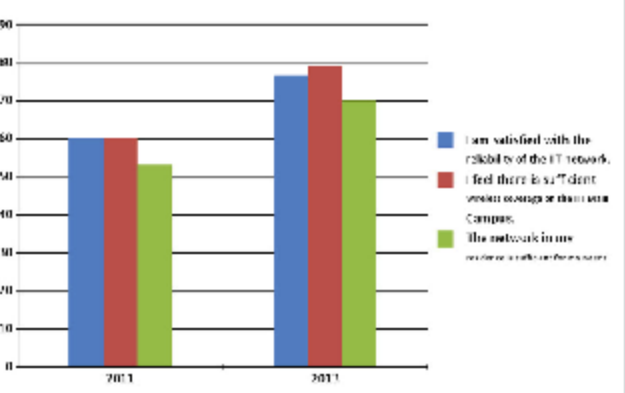
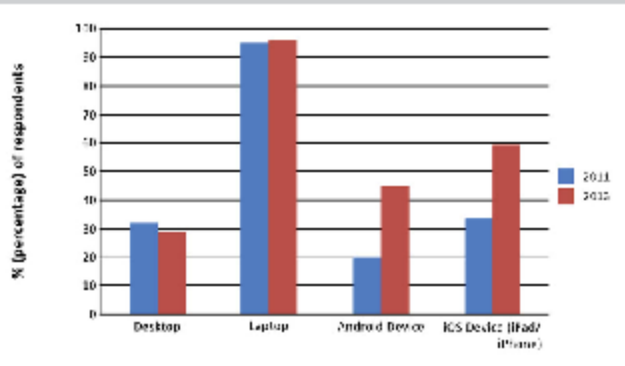
Computer Labs and Printing Services: In general, satisfaction with the OTS computer labs remained about the same since

2011. However, student satisfaction with the quality of printing in the computer labs was lower this year, with 77% of students expressing satisfaction compared to 83% in 2011. Given that utilization of printing services continues to be the top reason that students go to the computer labs, this is an important area of focus going forward. Students also indicated that access to specialized software, access to desktop computers, and internet access are also main reasons for computer lab use.

OTS updates equipment in labs on a three-year refresh cycle along with new software as indicated by academic needs. Given the consistency of satisfaction from 2011 to 2013, these resources are being well utilized by students and are consistent with their needs.

OTS has also added more Remote Printing Stations around campus, including in SSV and Gunsaulus Hall with the support of and Housing & Residential Services. These residential Remote Printing Stations are available 24/7 for residents with access to the

buildings. Student comments indicated that mobile printing and more printing stations are the two services they want to see expanded. OTS will be working to improve these and other services over the summer.



sga@iit.edu **SGA**

Food Advisory Board returns to campus

Harshita Iyer
SGA VP OF STUDENT LIFE

In light of recent changes in rules regarding meal plans and prices, there has been a lot of interest in students wanting to help shape and develop the dining program on campus. To direct this interest better the Student Government Association is bringing back the Food Advisory Board, which was a little inactive during the last semester. The first meeting for the Food Advisory Board happened on Thursday, April 25th. In attendance were Mariah Dixon, Jahna Soomer-James, Yunhui Kim and Kaysha Henry from the student body as well as Chris Ferenc, the General Manager of IIT Dining Services and Jovanny Zepeda, the

Executive Chef. The first meeting was an introduction into what the biggest student concerns are and how they might be addressed by IIT Dining Services. The Food Advisory Board aims to open up the lines of communication between Dining Services and the IIT student body. Topics discussed at the first meeting included bringing back the Pasta Bar in The Commons and reintroducing the "Tower Burger" in the Bog. The current situation on the Pasta Bar is that Dining Services is aware of students wanting it back and are waiting to finalize plans with their team. Ultimately, any changes made in The Commons or dining at IIT in general need to balance satisfying the majority, providing options for specific dietary needs and meeting

financial requirements. IIT's population is highly diverse and this proves to be challenging at times, but it is something that the Sodexo team at IIT is continually developing. Another consideration is the cost of the food. A lot of the time, adding in something new in The Commons means altering the standard menu offerings to keep costs (and hence the price) constant. This indicates a trade-off, and student participation in helping decide the tradeoff is always welcome. Other topics that were touched upon included: redirecting the traffic in The Commons, having pre-packaged lunch for people to grab and go if they have class, and adding the condiment table across from The Grill to the Salad Bar, among many others. These

projects are still at the discussion stage though, if you feel very strongly about them, make sure you make your voice heard by attending future Food Advisory Board meetings. The next F.A.B. meeting will be in the Fall, and there will be publicity for anybody who is interested to join. There is also a possibility of collaboration between F.A.B. and the Food Committee, which is a project by R.H.A. So look out for more on this topic if you are interested in working on campus food quality. Until then, you can email me, the VP of Student Life for SGA at hiyer1@hawk.iit.edu. If you truly want to see changes in campus food, this is the best opportunity to deal directly with the people in charge. So come be a part of the change!

SGA Senator Spotlight

Name: Anurup Kankanhalli
Position: Greek Council Senator

Email: akankanh@hawk.iit.edu
What prompted you to join SGA?:

I wanted to help improve the college experience here at IIT and I thought SGA would be a great way to do it. As the Greek council Senator, I feel I bring a unique perspective to SGA.

Which projects have you worked/working on?:


I am currently working on the course retake policy and the additional reading day project.

What aspect of the university experience are you most passionate about improving?:

I am really passionate about improving the academic and social aspects of the university experience here at IIT.

Cool fact about you?:

I love power tools, and I am starting to build my own collection of them.



\$20,000 challenge to IIT students

Bhavna Hosakere
TECHNEWS WRITER

This February, at the public launch of Fueling Innovation: The Campaign for IIT, Board of Trustees member Alan "Bud" Wendorf (ME '71) issued a challenge to the Student Gift Committee to get at least 45 percent of the 2013 undergraduate class to participate in this year's Student Gift Campaign, with a minimum gift equal to the cost of the cheapest six-pack of beer around campus, and he would make a contribution of \$20,000 to the Student Gift project.

Last week, I had the privilege of sitting down with Wendorf to learn about his time at IIT, his involvement in the Fueling Innovation campaign, and his reasons for issuing this challenge to the Student Gift Committee. A Milwaukee native, Wendorf, decided to attend IIT after learning about it through his high school counselor. Some of his favorite memories are from his coursework with thermodynamics professor, Dr. Roland A. Budenholzer, a well-established expert in the industry. Joining Pi Kappa Phi fraternity helped him feel at home on campus. Looking back, Wendorf recognizes that his network of friends and the experiences he had through different activities at Pi Kappa Phi formed a valuable foundation for all his successes.

Wendorf is chairman, president, and CEO of Sargent & Lundy, a company that provides engineering, construction management, and consulting services to the global power industry. He is serving as the campaign co-chair for Fueling Innovation and starting this fall, will be serving as the chairman of the IIT Board of Trustees. The time Wendorf spends with students on campus inspires him. He recognizes that the time and energy he puts in, is an investment in the future of the

university. "So many of our global challenges require new and innovative solutions," he said. "There is a critical need for graduates with STEM skills. The Fueling Innovation campaign will allow for increased enrollment and will position IIT to meet this growing demand." It is this passion for the training IIT provides in the STEM fields that keeps Wendorf involved at the university and giving.

Wendorf did not initially plan to issue a challenge to the 2013 Student Gift Committee. Being a competitive person, he felt that a serious challenge would inspire the committee to set ambitious goals. And we are thrilled to be working hard to successfully meet his challenge!

Wendorf recognizes the importance of giving back to his alma mater and stressed the need for it. "It is important for all of us who are fortunate enough to experience going to college that we give back and help as many talented and accomplished students as we can. You can give back when you graduate or 30 years from now. But make it a habit, pay it forward. This is why this challenge is so important."

The 2013 Student Gift campaign has an overall goal of 425 student donors, in addition to the 45 percent participation rate for Wendorf's challenge. As a measure of their faith in us, the Alumni Association Board of Directors has contributed more than \$6,000 to this campaign.

In past years, contributions to the Student Gift Campaign have helped refurbish the enclosure space in the MTCC, assisted in completing the reserve textbook collection at the Paul V. Galvin Library, and provided seven new water fountains for academic buildings on campus. This year, the committee is working to provide new modular furniture for the Galvin Library. This furniture will provide additional student-friendly workspaces that will encourage students to interact and collaborate.



Photo courtesy of Bud Wendorf

But we are far from done. We need your help! Please join us as we race to meet and exceed all our goals for the Student Gift campaign. Your gift is very important.

Visit alumni.iit.edu/2013gift to make your contribution and help fund this year's project. Thank you.



ILLINOIS INSTITUTE OF TECHNOLOGY
Office of Campus Life

Student Organizations—

All paperwork for the Spring 2013 semester is due to the Office of Campus Life by **Monday, May 13, at 9:00 am!** Any paperwork not turned in by that time may not be paid for!

Will your student group be around during Orientation sessions? If so, come talk to new students in The Bog! Sign up here:

<http://tinyurl.com/d99dzuj>

(You'll need to be registered for HawkLink)

The Student Involvement Festival is coming soon! Register your group to participate here:

<http://tinyurl.com/cob85qp>

The Festival will be on Friday, August 16, from 11:00 am—1:00 pm. Only registered student organizations may participate!

Register your student group now!
Visit iit.collegiatelink.net to complete the registration process and see other student groups!

campus.life@iit.edu 312-567-3720

responsibility.

The greatest threat to our planet is the belief that someone else will save it.

Robert Swan

(the first person to walk to both Poles)

iit
CAMPUS
ENERGY+
SUSTAINABILITY

'Paradigm Shift' team wins Chicago Chase innovation contest

Utsav Gandhi
CAMPUS EDITOR

We had only "heard" about the Chicago Innovation Chase as an "intense, mind-blowing, two day experience" before signing up for the competition. We had heard from previous participants and winners that the two day innovation and entrepreneurship competition would teach some valuable lessons which would be very difficult to gain in our regular classes. With minimum level of information but a maximum level of excitement and curiosity we showed up at 7am on April 19, 2013 on the 14th floor of the IIT Tower where the Knapp Entrepreneurship Center had graciously allowed us to use the space.

The Chicago Innovation Chase was created in 2008 by two Illinois Institute of Technology students, Adam Berg and Gustaf Josefson, who wanted to design a program which would put students through an accelerated business and design experience "like no other". The Chase is now organized by Eureka, a non-profit company co-led by IIT student Daniya Kamran (Social Sciences, '14) along with her industry mentor Jodi Houllihan, who has years of experience in academia, innovation and entrepreneurship.

The competition focuses on innovative curricula-based educational competitions for students to unlock some real talent

necessary to succeed in today's extremely competitive workplace almost demanding a need for differentiation and diversification. Teams of students are given two 12-hour blocks to devise an innovative approach and think critically to come up with a practical business-minded solution to a real-world, urgent STEM problem. They are required to work from scratch, under pressure and with constant deadlines, to develop stages of their idea, with consistent feedback from industry experts and mentors, to ultimately get the idea ready for launch in the public domain.

Over the course of the competition the team undertook the same process as a startup company would as it went through various iterations of design, research, prototyping, market management, proposal drafting, and presentations, all with the aim to solve a critical world problem.

The competition is organized at a few STEM-based colleges across the country, and the competition at IIT featured three teams, led by business majors (coincidentally, this is not a requirement. Anyone is eligible to sign up for the Chase) Yoni Purzansky ("S3"), Santiago Rodriguez ("Stuart CATS") and Harshita Iyer ("Paradigm Shift"). Students are provided by every resource needed to succeed in being creative and innovative, including a generous supply of caffeine, sugar and some delicious meals. The location itself lends a high degree of sophistication to the whole

experience, the gorgeous views of the campus sparking some serious creativity.

Ultimately it was the 'Paradigm Shift' team of Harshita Iyer, Kelly Lohr and Utsav Gandhi which came out on top, working wonderfully well as a team and under deadlines to come up with an idea which the probing judges found most practical and sustainable. They will go on to compete at the national level with winners from other universities in an even more intense experience to further fine tune the skills picked up at this competition.

Some of the more well-deserving students who left a mark on the competition (even if their team didn't win) have previously been invited to a behind-the-scenes experience in industry R&D labs. The theme this year was inspired by some of the work at the Pritzker Institute of Biomedical Research and centered on healthcare for the elderly. The winning team designed a holistic communication service for the elderly to track their daily activity levels and structure their sleep patterns better.

The Chicago Innovation Chase follows a philosophy guided by some thought-provoking ideas. "Doubts have existed for some time that employability skills can be effectively developed in the classroom alone (Cranmer, 2006)." "Employability is enhanced via content (accumulation of relevant knowledge), capability (applying such

knowledge in a relevant way), and character (personal qualities required to work effectively both alone and with other (O'Leary, 2012)). "A peer learning culture facilitates collaboration, builds a community of learning, transfer of knowledge, and promotes the development of professional networks leading to more employment opportunities (Devenish et al. 2009)." Schools can no longer make do with just smart students; they need to produce 'wave-makers', 'head-turners' and 'stand-outers' - intuitively self-motivated students who can anticipate trends and take their employers' standings to greater heights.

The event wouldn't have been possible without the generous funding and support of Professors Vince Turrito and Keith Bowman (from the IIT BME and MMAE Department respectively); as well as additional funding from the Stuart School of Business. The team would also like this opportunity to thank President John Anderson and Provost Alan Cramb for taking the time to drop by the competition venue and cheer the participating teams.

The event is seriously recommended for any student interested in entrepreneurship, innovation and real world critical thinking skills. Very few classes offer such experiences for students while in college, and there is a whole lot to flaunt about it once you've 'survived' it.

GET LINKED!

Get LINKED is your chance to win some great prizes and use HawkLink in some new and exciting ways for your student organization. Starting NOW through May 3 student organizations who use HawkLink will be entered into a chance to win great prizes!

Largest Organization Membership

The student organization with the most members in your organization portal! Entries must be completed by 5PM on May 3.

Prize: \$100 Vinyl Banner Printing

Completed Organization Renewal for 2013-2014

All organizations that completes the organizational renewal within HawkLink correctly will be entered into a raffle for a prize! Entries must be completed by 5PM on May 3.

Prize: \$100 Sodexo Credit

Best Profile Design

The student organization with the best HawkLink profile wins. Entries must be completed by 5PM on May 3.

Prize: Free Organization t-shirts (Limit \$150)



Scan here for more info!

Finance Board announces changes

IIT Finance Board

The first of 3 hearings for Fall 2013 requests happened April 13, 2013 Hearing. The board gave priority generally to on-campus programming events and a few conferences based on the type of organization, while food, t-shirts, and capital items had the least priority.

Organizations would notice in their decision letters that some items were not considered a priority. Please note that these decisions were made based on budget requests across the board, and how impactful these items would be to the ENTIRE student body. The board is aware that there may be dissatisfaction, but we do put a lot of time and thought into making these decisions to maximize impact on the IIT student body and due to the growing number of student organizations, allocation per organization is shrinking.

At this hearing, requests from student organizations amounted to \$763,000. At this hearing, the amount available for allocation was between \$220,000 and \$260,000. This was because requests were for the Fall 2013 semester (approximately 50% of \$480,000 available for the entire semester, not including the current buffer of \$30,000), and a majority of requests are proposed for now.

Statistics: Amount Available: \$260,000 max, Total Requests: \$763,000, Total Allocated: \$260,000, 34% approval rate per requested (Up 17% points), 100% approval rate per available (Up 49% points)

Allocation Breakdown: 2% Capital, 4% Competition, 5% Operating, 14% Conference, 75% Programming

The Board thus made allocations in the amount of \$260,000; representing a 34% allocation rate, based on requests (\$763,000) and a 100% allocation rate based on the available funding cap at the hearing (\$220,000-\$260,000). As you receive your decision letters, we advise student organizations to contact their advisors or the board at fb@iit.edu without hesitation, to address any concerns.

Notice from OCL:

Student Organizations - It's time to get on HawkLink! You can do so by visiting <https://iit.collegiatelink.net/> (log on with your IIT username and password). HawkLink is how you now register your student organization with the Office of Campus Life. This is also how you will ask for and receive Finance Board funding in the future. Starting this summer, incoming freshman and current students will be introduced to HawkLink as a means of finding student organizations to join. Make sure that your profile is completely filled out to get the maximum number of incoming students interested in your organization. If you have any questions, please don't hesitate to contact Ryan, Tricia, or Alex in Campus Life.

Next Semester: The next hearing will take place in the September for Fall 2013 requests. We expect about \$100,000 to be available at this hearing. Important dates and deadlines for Fall 2013 are as follows:

September: Workshop Dates 08/27 & 08/28, Advising begins 09/02/13, Budgets due Online 09/14/13, Hearing Date 09/21/13

October: Workshop Dates 10/01 & 10/02, Advising begins 09/30/13, Budgets due Online 10/12/13, Hearing Date 10/19/13

November: (for Spring 2014 requests) Workshop Dates 10/22 & 10/23, Advising begins 10/21/13, Budgets due Online 11/02/13, Hearing Date 11/09/13

Remember that each organization must attend a workshop once per academic year.

There will be a few new initiatives in our workshops, including a budget template and a treasurer certification element to the submission process. One of the two members attending a workshop for their organization must be the treasurer, and only those 2 persons will be allowed to submit a budget for that organization. We advise student organizations to read through our guidelines with their new executive boards and communicate concerns with the board so there is more understanding of the procedures and reasoning for decisions.

I PRO 338 retrofits existing structures for Smart Grid technology

Nick Caldwell

TECHNEWS PHOTOGRAPHER

I PRO 338: Techno Economic Analysis of Electrical Smart Grid Technology Solutions Retrofitting the Soldier Field Parking Structure Overall Project Summary.

I PRO 338 revolves around the techno-economic analysis of a pre-existing structure (in this case a parking garage) and proposing ideas that could be used in order to make said structure more energy efficient and sustainable. This I PRO is also taking part in this year's NECA Green Energy Challenge. Its goals are similar to the I PRO program, but teams from across the nation from several top schools compete in order to come up with the most innovative and energy efficient solutions for their respected sites.

The site for our team's audit is the parking structure for the Chicago Bears home field, Soldier Field. In addition to the Bears games, this field hosts events almost daily, ranging from weddings, soccer games, mega concerts and more.

This parking lot is also the heart of Chicago's historical Museum Campus, which is home to the Shedd Aquarium and Field Museum. The structure is built underground and hosts 4 levels with space for 2,500 cars. The roof of the parking lot is the second largest green roof in Chicago. The site provides a unique

challenge because Soldier Field, including the parking lot, is the first LEED certified football stadium in the NFL. The site selection for our audit provided a unique challenge to provide new efficient technologies in a high traffic and already highly efficient structure. The proposed retrofits have the potential to provide a huge impact on energy usage for a site that services a large amount of the Chicago population. This iconic campus will benefit highly from our detailed research and proposal (which will be summarized here).

Lighting Retrofit:

During our investigation of the existing lighting system, we unfortunately were not able to track down the model numbers. This prevented us from being able to look up the manufacturer's specifications that could tell us the input wattages for each existing fixture. We know that the input wattages for lighting fixtures are almost always higher or lower than the sum of the bulb wattages.

However, for the purpose of our analysis we made the assumption that the existing fixture wattages are equal to the sum of their bulb wattages. Thus, after examining the existing lighting system for the garage we concluded that the total saving in energy cost would be around 55% of the original amount if LED light fixtures are implemented (see Lighting Retrofit Graph).

Solar Retrofit:

We proposed that an elevated solar panel structure be placed on the two ventilation exhaust areas located on the east and west sides of the garage. The system will connect directly to the grid for Soldier Field and the garage, so no batteries will be needed. We found the system to be economically viable if state and federal rebates and grants can be taken advantage of to the fullest extent. The system will have the added benefits of improving the garage's public image and giving the site more LEED points, possibly leading to an increased LEED rating.

EV Charging Station Retrofit:

The management team of the North Garage at the museum campus in Chicago has made great efforts in creating and maintaining an ecologically friendly and energy efficient structure. To this end, three electrical vehicle-charging stations have been installed in the north garage only for visitors attending events at Soldier Field and surrounding museums.

Our project plan was to analyze the existing conditions of the charging stations and propose improvements as necessary in order to increase the garage's energy efficiency. In turn, this has led us to the conclusion that a new EV charging station will raise the overall uptime of the charging system (see EV graph for a comparison against gas powered vehicles).

Thermal Retrofit:

The thermal team was dedicated to improving the efficiency of the HVAC system

in the Soldier Field North Parking Garage. The parking garage is a multi-tiered underground structure composed of precast concrete sections. Due to the nature of this construction and placement, the opportunity for natural ventilation was non-existent, necessitating the use of a forced air system. The HVAC system does not provide any space conditioning, as its only duty is to provide fresh air to the parking garage, and remove the air contaminated with vehicle exhaust. Our team concluded that the best course of action would be to install variable frequency drives, which would control the flow of the system more efficiently (rather than an always on or always off system, see Thermal Retrofit graph). I PRO Day: Our presentation and exhibit at this year's I PRO day won us top honors within our respected track (Track 2: Energy and Sustainability) and it is our hope to place within the top three for this year's NECA Green Energy Challenge in which the finalists are flown to Washington DC to present their work.

Project Team:

Dr. Dan Tomal (Professor), Chenqi Bao, Nikhil Bhasker, Nick Caldwell, Jungmin Cho, David Jarma, Jeffrey Johnson, Daniel Medrano, Frank Morris, Eric Neubauer, Dustin Shahidehpour, Amen Soudy, Gary Sterna, Yuanbin Wang, Junyu Yan, Fengrui, Yang Denise Philippi.

A&E

MATTI SCANNELL

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Flash Game Review: 'Alice is Dead'

Kristal Copeland

COPY EDITOR

Alice is Dead is a series of three point-and-click, escape-the-room, horror/mystery flash games available to play on sites like Newgrounds. The inspiration and follow-through gives you this darker take on Alice In Wonderland: "You've arrived in Wonderland, that's good. Alice is dead, that's bad. You don't know who you are, that's the worst."

When the game starts, your first scene is Alice lying dead under the rabbit hole. You have to find clues to figure out exactly what happened, where the [silent] main character has amnesia. This game is not particularly difficult to figure out but there are many walkthroughs available online. This game has a wonderful ambiance and a sinister tone that continues through the game even past the plot twist at the end. I love a good twist! My favorite thing about this game--at least the first--is that almost every

single thing matters. There are plenty of areas that seem like empty spaces, but you'll soon find that even the walls talk.

Graphics 9/10: the graphics are extremely well done, I could imagine playing this as a computer game off a DVD. There is a constant grainy look that adds to the mysterious feel of the game, and the arrows that take you left and right are shaped like hearts or spades, and the characters are drawn in a way that brings out the more sinister tone of this series. I believe this game has the best art of any flash game I have played so far, even if it isn't in my favorite style.

Game Play 7/10: Well, I gave it a 7 because it's only clicking, but you will probably disagree if you like these games, so definitely go ahead if you enjoy them. In terms of game play elements, there are the standard item combinations and different, not necessarily obvious uses for things. I have played many point and click games, so I probably saw a few more things coming than I should have. Either way, it's well done enough

to earn 7 even if there aren't any timed or skill testing sections.

Story 8/10: This is a mixed bag. A lot of people were unsatisfied with the ultimate conclusion of this game, including me. They left a lot of information up to the player's imagination, and there is a question everyone asked from the very first game that was not ever answered. The ending was also very abrupt, which many did not enjoy. I agreed with the creator in this respect, the world of the game is prone to abrupt endings, to end another way might actually have felt odd. Lastly, the author says he is going to write a sort of mini-wiki about the questions that were unanswered, so there is that, if you think it is worth it.

Sound 8/10: There are no huge musical scores in this game. There seems to be one or two insanely creepy tracks per game that follow you around. In the first, there is a slightly-too-happy "Hush hush hush, here comes the boogymen" song that gets louder as you approach a certain

area. The sound add dramatically to the atmosphere of the game, so even though I didn't think the music itself was great, I gave this an 8. Hey! That rhymes.

Trophies and everything else: Trophies are available in some of the games and may or may not be extremely difficult to figure out or achieve (one is purely luck based), getting all of them ensures that you have had experienced everything the game has to offer, which I think is a great way to do trophies. There are a few Easter eggs in this game, for the most part, if you think it's odd that something is in the room with you, you should try doing things to it; however, nearer to the end, some things are not explored.

I think this series is worth playing if you enjoy Alice in Wonderland with a twist, dark themes, escape the room games or point and click games. If you don't like endings that don't wrap everything into a nice package, you might want to steer clear, or better yet, only play the first game. Have fun guys!

Flash Game Review: 'Relive Your Life'

Kristal Copeland

COPY EDITOR

The last in this flash game review series for the semester brings you "Relive Your Life."

Relive Your Life is an odd adventure game where you experience the life of your character from a sperm in an egg, all the way through to adulthood. You do this by via quick time events that range from tapping "x" to typing a long string of characters. Your first mission will be the "Battle of the Sexes" where you pick your gender. You would think there are two options, but there is a very interesting third option that occurs if you try, and fail, to remain male.

Following this first choice, every event you play drastically changes the story line in usually unexpected ways. You can save or doom the entire world, uncover white house conspiracies, become a super villain, and even a Time Lord, but I highly doubt you'll expect the paths that take you in those directions. Overall, there are 28 endings and 32 medals to win.

Graphics 6/10: the graphics are a bit odd, but not horrible. The game is cartoonish and colourful.

Gameplay 6/10: All of the game play is

made of quick time events, immediately before they happen you'll get a warning that tells you approximately what you have to do, but sometimes that can be vague. After you have beaten the game at least once, you get a redo button, and a skip button. Both of these are very useful if you are attempting to get everything done, but they make it a bit more obvious that the games are not randomized in any way.

Story 8/10: This definitely depends on the person, but I enjoy starting off as a kid and suddenly having everything in my life change because I decided to eat a piece of candy that turned out to be a teleporter (not a real game element.) Seeing how the situation can spiral out of control because you did [or failed to do] something is the best aspect of this game.

Sound 7/10: Well, there is very little music, but the narrator speaks in rhyme and has a sarcastic streak. While he looks a bit off, he sounds great, and I enjoyed his descriptions.

If you're the type of person who likes to get all the endings, this game will entertain you for a while. The sheer amount of endings and trophies to earn will delight any collectors, but aside from the story, the individual pieces do not stand out.



Free Seminar

Dranetz

talks

Power Quality Issues

Tuesday, May 14, 2013

8 AM to 12 noon

IIT Rice Campus Auditorium

201 E. Loop Rd. Wheaton IL

RSVP- Mary Berendt mberendt@lehmangroup.com

Or Katie Thicken kthicken@lehmangroup.com

Phone: 630-942-1900

NBA play-offs continue in dramatic fashion

Nathan McMahon
STAFF WRITER

The 2013 NBA playoffs began this Saturday. The Miami Heat is the team to beat in the East while teams like the Spurs and Knicks look to prove they are real contenders. The New York Knicks are taking on the Boston Celtics in their first round series and the New Yorkers took game 1 with a score of 85-78 and

a game high 36 points from Carmelo Anthony. Carmelo Anthony was named the NBA scoring champion.

The other East game 1 available at press time was the first round series between the Brooklyn Nets and Chicago Bulls. The Bulls remained without superstar Derrick Rose and struggled offensively as the Nets beat them 106-89 behind a cool 22 points from Deron Williams

In the West the Denver Nuggets took on the Golden State Warriors and beat them in

the first game of the series 97-95 with a game-winning layup by Andre Miller with 1 second remaining to take a 1-0 lead in the series.

The other series to start in the West is between the Los Angeles Clippers and the Memphis Grizzlies. The Clippers took game 1 easily 112-91 behind a strong rebounding effort by the Clippers.

One of the East series yet to start is between the top seeded Miami Heat and the Milwaukee Bucks where Brandon Jennings has

predicted the Bucks winning the series. The other East series is between the Indiana Pacers and Atlanta Hawks and it should be an easy win for the Pacers.

In the West, the top seeded Oklahoma City Thunder is taking on the Houston Rockets who are looking for an upset behind James Harden. The Los Angeles Lakers will be without Kobe Bryant after his torn Achilles injury as they take on the San Antonio Spurs.

Year-in review for national, local, IIT sports

Ciaran Kohli-Lynch
SPORTS EDITOR

As this is the last TechNews Sports section of this year, I would like to take a look at the big developments in IIT Athletics and the world of sport over the last 12 months.

There is much to talk about in a period that saw London host an extraordinary Olympic and Paralympic Games, Europe's best soccer teams battle it out in Poland and Ukraine at 14th European Championships, the first freshman winner of the prestigious college football Heisman trophy, and much more.

In London, two competitors made their own special marks on Olympic history. Jamaican sprinter, Usain Bolt secured the self-coined "double-triple," taking the 100M, 200M and 4x100M gold medals on the track for the second time. Bolt was forced to beat training partner Yohan Blake – who actually beat Bolt in the Jamaican team trials – in both individual events, as he made it six gold medals in six events over two Olympic Games.

Going into the Olympics, swimmer Michael Phelps needed three medals in order to become the most decorated Olympian of all time. After failing to medal in the 400M individual medley, Phelps recovered to win four gold and two silver medals in London, firmly securing his place in the record books. Phelps had previously declared he would retire after the London Games, and now spends his time working on his philanthropic project, the Michael Phelps Foundation, which aims to develop the sport of swimming and promote healthy lifestyles.

There were many other notable sport stories of the past year. The Spanish national soccer team celebrated their second consecutive triumph in the European Championships, secured by a 4-0 demolition of Italy in the final, in Warsaw Poland. Also in soccer, FC Barcelona forward Lionel Messi set the record for most goals scored in a calendar year, with 90 goals.

In college football, there was the presentation of the Heisman Trophy to a freshman for the first time since its inception in 1935. Johnny Manziel threw for 3,419 yards and

24 touchdowns, as he led Texas A&M to a 10-2 record in their first season in the Southeastern Conference.

Closer to home, Illinois Tech's Men's Soccer went 8-9-2 in a season which saw them lose to St. Xavier University in the first round of the Chicagoland Collegiate Athletics Conference semi-final, while the Women's team narrowly missed out on playoffs with a 4-12-1 overall record. Men's soccer striker Liam Barrett was named on the 2012 NAIA Men's Soccer All-American honorable mention team, as well as being named CCAC Player of the Season, scoring 17 goals, and providing six assists.

In cross-country, the Men's team finished sixth of twelve in the CCAC Championships, while the Women's team went two better, finishing fourth. Alaskan Abby Jahn had a terrific team for the women's cross country team in particular, finishing in the top 30 at the NAIA national championships, while also claiming the CCAC Runner of the Year award, after winning the CCAC Conference meet on November 3.

Women's volleyball finished 12-23

overall, with sophomore middle blocker Taylor Duman being named to the CCAC 2nd Team All-Conference. Junior libero Brittany Mead, and senior middle blocker Samandy Fulgence, each earned CCAC All-Academic honors. Also, in their first season since being reformed, the Men's basketball team finished 4-14.

In Swimming & Diving, the Scarlet Hawks sent 14 swimmers to the national championships in Oklahoma City. At the event, the team broke four school records, and won two national titles. The Men's team finished fifth of sixteen teams, while the Women finished eighteenth of nineteen. Ian McNair won the national championship title for the 3M diving, and was also named the 2013 NAIA Male Diver of the Year.

Finally, the baseball team finished 11-26 overall, and 10-19 in the CCAC. They now look forward to the CCAC tournament in Whiting, IN, starting April 30, along with a game against the Maranatha Baptist Bible College at US Cellular Field – home of the Chicago White Sox – on May 7.

SLIPSTICK

And now...a comic!

Sam Kepp
TECHNEWS WRITER



ILLINOIS INSTITUTE OF TECHNOLOGY University Calendar

Archie Finals Week

Monday, April 29th


Wednesday, May 1st

Moolapalooza
MSU RAs
8pm - 10pm
MSU McCormick Lounge

Tuesday, April 30th

Crystal Photo Cubes
Union Board
12pm - 6pm (while supplies last)
MTCC Welcome Center

Friday, May 3rd

Skulls Carnival
Skulls
7:00pm - 9:00pm
The Bog 

Thursday, May 2nd

Pool Tournament
Pool Club
6:30pm - 11:00 pm
 The Bog

Saturday, May 4th

CityStar
Union Board and Vandercook Band
8:00pm - 12:00am
 The Bog

Sunday, May 5th

Good Luck with your studies!

Upcoming *Union Board* events

Crystal Photo Cubes
Tuesday, April 30th
12pm - 6pm (while supplies last)
MTCC Welcome Center

Pool Tournament
Pool Club
Thursday, May 2nd
6:30pm - 11:00 pm
The Bog

CityStar
Vandercook Band
Thursday, May 2nd
8:00pm - 12:00am
The Bog

Skulls Carnival
Skulls
Friday, May 3rd
7:00pm - 9:00pm
The Bog