Leaves as display devices?

Thomas D'Silva
TechNews Writer

In the future it may be possible to print a newspaper on a leaf. Engineering leaves to function, as display devices may seem unrealistic but the framework for this technology is being laid. Biomedical engineers deal with everything from developing biomaterials to engineering biological compounds to prevent diseases.

Ilinois Tech will have its own biomedical engineering department in Fall 2002. The department will be created within the existing Pritzker Institute of Medical Engineering. In addition to a Bachelor of Science and PhD program a joint MD/PhD program has been created whereby students can receive a PhD in biomedical engineering and an MD from the University of Chicago.

This program is one of the fastest growing engineering majors, There is a lot of interest in this program. Quite a lot of people who enroll in biomedical engineering go on to medical school," said Vincent Turitto, Director of the Pritzker Institute of Medical Engineering.

The biomedical program will have five areas of specialization, cell and tissue engineering, medical imaging, neuroengineering, biomaterials and a premedical option. Cell and tissue engineering deals with developing miniaturized devices or compounds that can inhibit or stimulate certain cell processes as in order to promote healing and inhibit disease formation. Students who specialize in medical imaging will learn the theoretical basis underlying the common forms of imaging processes most of which use deals with understanding the properties of imaging materials that are vital for the design of implant materials. The premedical option allows a student to meet the requirements of medical school.

The biomedical engineering program was set up with a million dollar grant from the Whitaker Foundation. In the first two years of the program only a single biomedical engineering course is required, and undergraduate teaching will not begin until 2004. This will allow the university to hire the faculty required to teach the biomedical engineering courses. Only entering freshmen are allowed to enroll in the biomedical engineering program.

"We are in the process of hiring four additional faculty members which will bring the total number of faculty to ten. Biomedical engineering attracts the best engineers with an average of 50 percent of them being female. There is a need for engineering expertise in medicine and there is a large job market for biomedical engineers," said Turitto.

CTA train shut down leaves students stranded

Thomas D'Silva
TechNews Writer

On the 26th of November the CTA red, green and orange lines were shut down from about 2 to 6pm. After testing the red line did not operate through the downtown area, between Jackson and Lake, State Street and Wabash Avenue were also closed between 14th and 18th Streets. This caused a great deal of inconvenience to many students.

"We wanted to go downtown to the Harold Washington Library Center, to get some work done, but we could only get to Cermak-Chinatown. The entire train was emptied there and we had to take a bus back to IIT," said Harsha Pannala and Srijan Mahadevan.

The train services were shut down because DYNAMITE was found behind a South Loop train apartment near by where the CTA trains run. The dynamite was not rigged to a detonation device but someone had apparently disposed it carelessly.

"When it's a question between safety and convenience, safety comes first," I think that taking the precautions to shut down the trains was a good idea,"
NEWS

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TechNews is published on the Monday of each week of the academic year. Deadlines
for all submissions, announcements, and ads are 11:00 AM on the Wednesday prior to
publication. Announcements must be submitted electronically to AITC's website at masthead.

LOCATION

The TechNews office is located in the Student Union Building, Suite 2225.
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Reported by Abu Hurairah: God's Messenger said "The same man is not one who is strong in fasting, but the one who controls himself in anger."
Traveling Viva Las Ghetto: Comfort Is Still An Alien Word To Airlines

Nicholas Williams
TechNews Columnist

I am totally fed up with air travel. I tell you, it's enough to make me want to puke my guts out. Unfortunately, I think my stomach is still somewhere over California. Let me give you the 'wonderful' advantages of travel.

I decided to arrive at the airport about five hours early. I wished to check in, eat, and explore the terminal. The actual checking in process took about 30 minutes. Then, with my newly acquired boarding pass, I looked for the nearest security checkpoint to go to. I could not see one. What I did see was a wall of people. It went to the end of the terminal where it turned back and forth a few times, just sort of twisting like a snake in the sun. (An interesting point to mention is that the German world Schlangen means both snake and line.) However, the people at O'Hare know their business, and I got through the 500-1000 people line in about ten minutes. Anyhow, my final destination was to be Redmond, Oregon.

So naturally, the first flight took me east to Cincinnati. Well, I felt a bit queasy after getting off the airplane, but had no time to think about it cause I travel from there to L.A. I did enjoy the five hour flight. We were in the air way too long, the pressure in the plane was not enjoyable, and they came by serving us with food fit for rats. I swear, any and all jobs I made towards the cafeteria food are now withdrawn. Except those concerning the breakfast bars. I can't stand breakfast at dinner. My course of action was to poke it with a fork, and if it did not squelch, I deemed it marginally edible. I look back at how I felt after the flight, and I guess my assumption was incorrect.

In L.A., I had to change airlines. This meant that I had to go from terminal three to terminal one. Apparently the second terminal was haunted (who ya gonna call?). because there was no one in it. Ah, it was disturbing. No people, yet there where those annoying terminal messages about not leaving the baggage unattended. And there was an echo. I tell you, spooky is not the word I would use. Anyhow, I got on my next flight to Redmond, Oregon in Redmond. I said hi to my grandparents, grandaunt, uncle and aunt, ate food, and left back for Chicago. The route was even more bizarre. I traveled from Redmond to Bend to L.A to Atlanta, and then back west to Chicago. Traveling east to Chicago, I actually had to travel west. Ironic, just plain and simply ironic.

Anyhow, I learned my lesson. The next time I have a break, I'm going to use this chat software I've discovered to be with my family.

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Star Wars Galactic Battlegrounds Seduces Gamers

Arts and Entertainment
Writer
STEVEN CHEN

Star Wars: The Phantom Menace has been labeled as either a failure prequel to the Star Wars Trilogy or a spectacular special effects show with just enough plot to make it watchable. The same could be said about the new game, "Star Wars Galactic Battlegrounds".

Being one of the few RTS (Real Time Strategy) games coming out, there isn’t much competition in the RTS market. Currently, games such as "Starcraft" and "Age of Empires" still dominate the playing field. However, since Galactic Battlegrounds is made from the same game engine as "Age of Empires II: Age of Kings", it has the advantage of having a familiar layout and strategy to gamers. The game itself is graphically decent, with improved art and a step up in graphical interface compared to "Age of Empires".

The game play hasn’t changed, even right down to the upgrades with the exception of new air units. Galactic Battlegrounds gives Star Wars fans a forum for battling out the different races and characters of the Phantom Menace. It’s always exciting to see your squadron of X-wings and Y-wings flying over your enemy base and wreaking havoc while Tie Fighters come to intercept your units.

The movement seems somewhat choppy and slow when dragging out games over long periods of time. Some of the units seem very unbalanced. The Jedi’s and Sith’s have been reduced to priests wielding light sabers. Their only special abilities are the power to convert units in an opponent’s favor. Their melee power is far too weak, nothing compared to what they were shown to be in the movies. A Jedi can’t even take out a group of droids which goes to show how Microsoft reduced their power.

The game would be great with a group of Star Wars fans. For those who like Star Wars and RTS games, this is a perfect game and for those who wonder what’s the difference between Star Wars and Lord of the Rings, just ignore this article.
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Extra

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Men's Basketball Score First Victory

Chris Osiinski & Joe Perera

The Hawks had a shot to redeem themselves for their poor play at home last Saturday, November 13th, at home versus East-West University. This was a game Illinois Tech was expected to win. Early on in the first half the Hawks showed positive signs as they appeared to have improved upon several areas since the last game. Their transition defense looked to be much improved.

However, there were still mental breakdowns on defense, regarding rebounding and one on one defense. East-West looked to be an athletic, quick, but frenetic team. The Hawks looked to control the tempo of the game and run a disciplined offense. At times they did this, but did catch up in the fast pace wild game their opponents were playing. When this occurred Illinois Tech made mistakes and bad decisions, much like their last game. But for the most part, the Hawks looked to be smart on both sides of the ball. When they played smart, they ran an offense and got lay-ups and wide open looks at the basket. The team looked very good when they accomplished this.

East-West tried to bait the Hawks into a physical, wild game. The Hawks played a fairly good first half, but blew a chance to really open the game up by letting East-West have a big 8-0 run towards halftime. The first half proved to be high scoring and Illinois Tech went to the locker room ahead by 8 points and 5 rebounds. In the second half, the game’s physical nature increased. Fouls were plentiful and East-West had put the Hawks in the bonus with 12 minutes left in the game. The Hawks’ front-court was determined to make them pay for their wild antics. Both teams stepped up their physical play, and fouls were a result of it. Mark Thomas stepped to the line and shot 15 free throws in the game, making an astonishing 10 of them. Bryan Tran and Tariq Galjasevic also were big from the free throw line shooting a combined 15-17 from the charity stripe. Free throws proved to be big in the second half as it accounted for more than 50% of the hawks second half points. All of Illinois Tech’s team made clutch free throws at important points of the second half and kept East-West at bay from any run they had planned to get closer to the win.

The Hawks got drawn into the wild game more so this half as they too put their opponent into the bonus. Thankfully they were not as efficient from the line as the Hawks were. Several players from the Hawks were in foul trouble as 3 of them finished with 4 fouls. Joe Perera fouled out late in the second half when he received a technical foul for mixing it up with the other teams point guard after a foul. But the Hawks stayed together through all the adversity and dirty play in the game to come out with their first win of the season. The final was 92-83. The games leading scorer was Tariq Galjasevic who finished with 29 points on 10-19 shooting. Mark Thomas put together a strong game finishing with a double double: 18 points and 14 rebounds. Chris Osiinski and Bryan Tran shot well from the field finishing with 13 and 11 points, respectively. The Hawks also got a nice contribution from Jon Caranto and freshman P.J. Sweeney off the bench in key minutes, as Senior point guard Brian Rzewnicki was sidelined with the flu.

The Hawks finished their first week 1-1. They showed many positive signs with their play and it looks like this could be a successful season with a lot of hard work and practice. The Illinois Tech ballers would like to thank all the students who came out to both games, and would love to see many more at the games to help support and get the team off to a great start.

Just put the books down for 2 hours one night of the week and come and check out your girls and guys basketball teams!

ATHLETE OF THE WEEK: NIKOLAUS KLING

Beaulah Vaz
Sports Writer

Nikolaus Kling, better known as Nik, is a senior at Illinois Tech in the Computer Engineering Department. He studies here on the Van Santen scholarship for swimming and also has an international student scholarship. This is his fourth year on the Scarlet Hawks swimming team, taking part in the 100 and 200 yard freestyle and butterfly stroke events. He also swims on all the relays.

Kling graduated from Hawaii Preparatory School in Kamuela, Hawaii. He came there during his senior year as an exchange student. He was the HI state champ in the 100 yard free style event. His team was the state champion in the 200 and 400 yard freestyle relay, setting a state record for the 200 yard relay (1:27.59) improving the old record by 1 second. He was named MVP of his school team and was also named to the All American team.

Kling grew up in Munich, Germany and swam on local club teams. He represents his club, S.G. Oberland when he goes home every summer in the local state swim meets. Last year he stood second in the 100 meter butterfly at the Bavarian state championships. Besides swimming, Kling also has a passion for skiing and windsurfing. He represents his club at Giant Slalom and Slalom competitions.

Kling came to Illinois Tech because of its reputation as a good engineering school. He also wanted to live in Chicago and continue advancing his swimming career. He was accepted in the Scarlet Hawks swimming team as a walk on. During his freshman year he competed in the Nationals in Seattle in the 100 yards free style and butterfly style events, and also in the 200 yards free style relay. He set a school record at Illinois Tech in the 400 yard free style relay along with his teammates Patrick Martin, Matt Sinawski and Robert Szcniak. He was named Rookie of the year for the swim team as well as for all sports.

During his junior year, at the Nationals in Vancouver, Canada; Kling competed 15 times in the short span of 2.5 days. He set a school record in the 200 yard free style event, and was named Most Outstanding Swimmer of the Year at Illinois Tech.

Kling has already qualified for the Nationals this year, at the first swim meet against University of Chicago. He has qualified for the 100 and 200 yards free style events.

He has won every individual event that he has taken part in, this year. He trains 4 hours every day and is currently getting ready for the Nationals in Vancouver, Canada. Between swimming practice and school, Kling does not have too much freedom. He is also a member of the Delta Tau Delta fraternity house.

Kling is the oldest of three children. He has a younger brother and sister back home in Germany. He enjoys spending his summers at home, meeting up with old friends and taking part swimming/kicking meets. He plans to go back to Germany after he graduates. And already has a job lined up at BMW in Munich as a Data Base Logistics Specialist. He plans to continue swimming and hopes to go back to grad school eventually.

TechNews would like to welcome those selected for:

This Week in Illinois Tech Sports...

MEN’S/WOMEN’S SWIMMING
12/7 – 12/9
Augustana (Invitational) Away

MEN’S BASKETBALL
Date
12/6
Opponent
Warner-Webber Classic
Home
Away (Florida)
Location
Time
Home Team
TBA