

FOCUS

Technique • Friday, November 16, 2007

SPLISH-SPLASH!

Get a first look at prospects for Tech's swimming and diving team as they face off against other ACC teams this weekend. **Page 27**

BEE MOVIE SWARMS ONTO SCREENS

Jerry Seinfeld lends his voice to the main character of *Bee Movie*, a Dreamworks animated film about a bee that boldly befriends a human. **Page 19**



GOING GREEN AT TECH

Green Neighborhoods on Streets of Steel

Visiting professor discusses ways to develop efficient and sustainable infrastructure

By David Lowry
Contributing Writer

Images of houses bulging with solar panels, air turbines and geothermal heating are the typical things that come to mind when thinking of promoting sustainable and green cities. However, University of Georgia professor Dr. Jack Crowley thinks that there is more to consider.

Dr. Crowley, who spent 10 years as the dean of the UGA School of Environmental Design, spoke Nov. 7 at the College of Architecture. Students and faculty interested in the feasible development of a sustainable transportation infrastructure listened to him speak about his ideas.

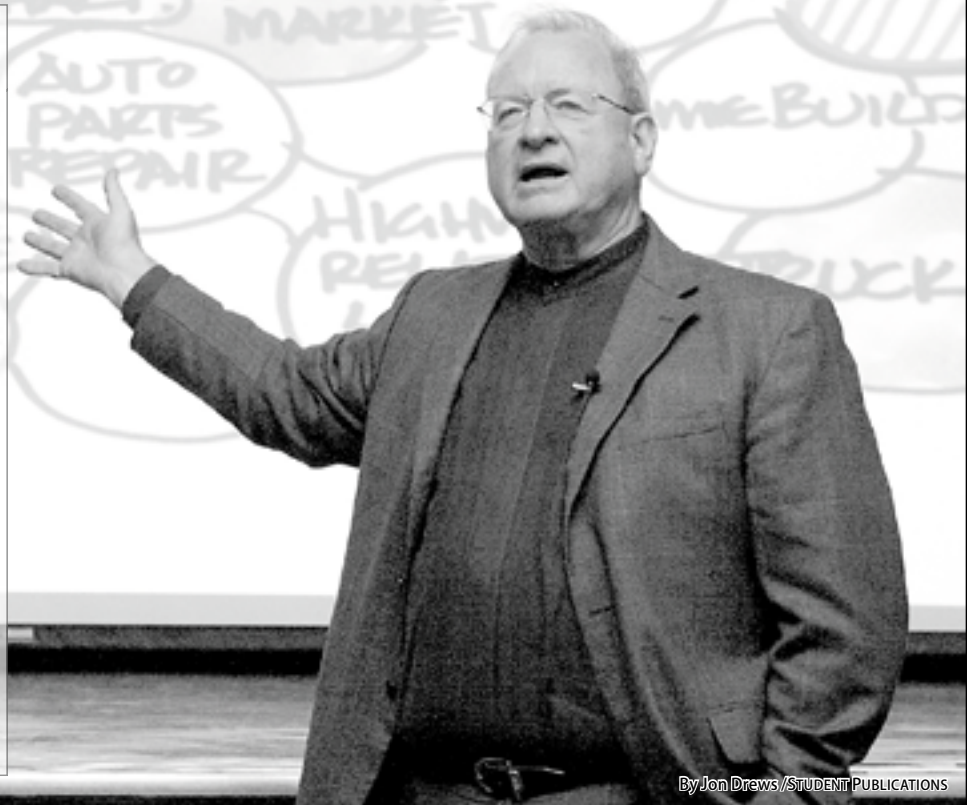
Crowley opened by saying he was "taking green from a fiscal perspective." To do this, he focused on two large ideas: an efficient infrastructure and changing transportation.

To start, Crowley discussed pipes and why the current method of laying down pipes is inefficient. The current way that towns go about laying pipes is like this: they dig a trench, lay a small pipe and wait until they need to re-dig the trench and lay a bigger pipe. Thus more trenches are always being dug and more pipes are always being laid.

"I call that the Trench Syndrome, a highly complicated phrase I made two days ago," Crowley said.

Instead, Crowley suggests that companies lay a single, slightly larger pipe so that only one trench needs to be dug and more people can be satisfied. He also emphasized

See **Streets**, page 16



By Jon Drews /STUDENT PUBLICATIONS

Greek organizations kick off recycling initiative

By Hamza Hasan
Contributing Writer

In the push towards an environmentally conscious campus, the Tech Interfraternity Council (IFC) and the Greek Neighborhood Association (GNA) have begun the campus' first Greek Recycling Pilot Program. With a combined effort among Tech Facilities, the GNA, the IFC and the Panhellenic Council, the program has a positive outlook in its future.

With an extensive Earth Day program and expansive recycling programs throughout campus, recycling at Tech has reached new heights, especially in 2007. Though the Greek Community at Tech has respected these programs, the initiative to recycle in the community began Aug. 27 this year, when the Greek Community Waste Facilities

opened up.

The location of the Waste Facilities is between Fowler and Techwood, in an alley next to Phi Gamma Delta and Zeta Tau Alpha. The site's collection includes cardboard, mixed office paper and aluminum cans. Cardboard is already a recyclable substance, but no official program greatly encouraged its salvaging. Not only has the support for recycling grown, but also the various materials have expanded.

Though the initiative is an enormous step in the collaboration of the Greek Community and its push towards recycling, there is still much to accomplish in the next few years. The Greek Community is split into seven zones, and one zone is actively participating in the pilot program.

The instigation of the program itself is a notable advancement. "This

is a huge initiative for the Greek Community to get to this point," said Cindy Jackson from Tech Facilities Solid Waste Management.

James Waring, IFC Greek Excel-

"This is a huge initiative for the Greek community to get to this point."

**Cindy Jackson
Facilities**

lence chair and a fourth-year Mechanical Engineering major, has been a key figure in the advancement of the program. As the chair, Waring typically works with the vice president of IFC in its administration but has

put most of his latest efforts towards the GNA and its management. The GNA coordinates and works with all the facilities management of the Tech chapters and houses. By nature, Tech Facilities has also involved itself with the process.

There are seven chapters in the participating zone, zone 1. These chapters include five fraternities (Kappa Sigma, Phi Gamma Delta, Tau Kappa Epsilon, Theta Chi and Zeta Beta Tau) and two sororities (Alpha Gamma Delta and Zeta Tau Alpha). Separated simply by location, zone 1 seemed a good choice to test the program out and find results, as many of the fraternities in this zone are some of the largest and most diverse on campus.

"One thing I saw was that the Greek community...would be receptive. I'm really proud of what we've done so far," Waring said.

He also acknowledged the work of the other chapters for their commitment to follow through with the plan. Waring recognized Buck Cooke, the Greek Advisor for Tech, along with the leaders of the IFC and the Panhellenic Council. With the primary governing bodies fully immersed in the project, the beginning of the pilot program became an instant success. All of the essential goals were met at the start.

Tech Facilities distributed the allotment of space and the actual storage for waste products. The seven chapters worked together and promoted internally the recycling of several materials. The program has shown visible success in the first few months of its launch.

With the original aims achieved, the supporting organizations are

See **Greeks**, page 13

Tech earns a grade of "C" on sustainability report card

By Maria Carter
Contributing Writer

A report published late last month by the Sustainable Endowments Institute revealed a "C" grade on Tech's overall sustainability. This grade is unchanged from last year. The College Sustainability Report Card 2008 is the result of a study conducted on 200 public and private universities with the heaviest endowments.

Seven divisions of the report card contribute to a university's overall score: Administration, Climate Change and Energy, Food and Recycling, Green Building,

Transportation, Endowment Transparency, Investment Priorities and Shareholder Engagement. Each section is assessed separately, and the overall scores are cumulative.

For the administration section, Tech received a "C." According to the report, "President Clough has signed the President's Climate Commitment and Tech has set explicitly stated goals to reduce material consumption, water runoff, and the use of natural resources. The Institute for Sustainable Technology and Development works on both curriculum and campus initiatives to promote sustainability."

Tech earned a "B" in the Climate

Change and Energy category. According to the report, "Inefficient energy equipment and systems are being replaced, and energy audits have been performed for selected buildings. The aquatic center has a solar array, and researchers are developing an offshore wind farm."

The report also states, "[President Clough] has committed the Institute to climate neutrality and the operations department has embraced sustainability by applying a multitude of energy conservation efforts."

In the area of Food and Recycling, Tech received a "C." Twenty-nine

See **Report**, page 15



By Ben Keyserling /STUDENT PUBLICATIONS

The Klaus Advanced Computing Building received a silver LEED certification, which is a rating of a building's overall sustainability.

Slow the Flow Save H₂O



"We need to lead the way in reducing our water consumption in the short term and implementing a long term approach to water conservation."

~ Dr. Wayne Clough, President, Georgia Institute of Technology

**Georgia
Tech**



DID YOU KNOW?

Conserving water is nothing new for Georgia Tech. Since 2001, we have increased square footage on campus nearly 25 percent; however, our water use levels have not increased.

- 💧 Dining halls are "trayless" as of November 12. This will save up to 3,000 gallons of water a day.
- 💧 The Campus Recreation Center is backwashing pools based on gauge recommendations rather than weekly saving 20,000 – 30,000 gallons of water a week.
- 💧 Low flow showers are in 80 percent of campus residence halls.
- 💧 Approximately 75 percent of the toilets on campus are low flow.
- 💧 Georgia Tech captures roof rainwater and HVAC condensate in cisterns to reuse on the landscape.
- 💧 A spring located underneath the football stadium is used to water the field. The water source, which produces up to 7,000 gallons of undrinkable water a day, was previously being diverted into the city of Atlanta's storm drains.
- 💧 Dining halls replaced water-cooled ice compressors with air-cooled models for a savings of more than 300,000 gallons of water a year.
- 💧 Steam lines and water leaks were repaired and both chiller plants upgraded.
- 💧 All outside campus fountains are shut down.

Presented by the Campus Water Conservation Taskforce

WHAT YOU CAN DO NOW

Even though you may be living in residence housing or in an apartment, you can make a difference. You've heard these tips before, however, with the drought reaching critical proportions, you need to commit to making water conservation a way of life – no matter where you are.

YOU CAN HELP SAVE WATER BY:

- 💧 **REDUCING YOUR SHOWER TIME:** A one to two minute reduction in shower time can save up to 700 gallons of water per month.
- 💧 **KEEPING YOUR LOW-FLOW SHOWER HEAD IN PLACE:** Using a low-flow shower head can save between 500 and 800 gallons of water per month.
- 💧 **AVOIDING THE TEMPTATION TO USE THE TOILET AS A TRASH CAN:** Each flush uses a minimum of 1.6 gallons of water. You can save 400 to 600 gallons of water per month by reducing your number of flushes.
- 💧 **TURNING OFF THE WATER IN THE SINK WHILE BRUSHING YOUR TEETH, WASHING YOUR FACE AND SHAVING:** Turning off sink faucets for two minutes less can save up to 4 gallons of water each day.
- 💧 **REPORTING LEAKING FIXTURES** to the work reception desk at **404-894-0520** or via the Housing Web site at **www.housing.gatech.edu/online/maint_request.cfm** or to your apartment manager. Each leak that we fix saves 20 gallons of water per day.
- 💧 **WASHING ONLY FULL LOADS OF CLOTHES OR DISHES:** Washing only full loads of clothes saves 500 to 800 gallons of water each month.



TYPICAL WATER USAGE IN FAMILY HOUSING

Blue Planet Run campaigns for clean water

By Reem Mansoura
Contributing Writer

Blue Planet Run involves 20 ordinary athletes running 15,200 miles across 16 countries and three continents 24 hours a day for 95 days. Unthinkable? On the contrary.

According to Blue Planet Run, a non-profit organization whose goal is to provide water to third-world areas, "we can and must begin today to alleviate the catastrophic burden placed on over a billion people who, every day, must drink unsafe local water, or travel long distances on foot to search for safe water for themselves and their families."

This organization is the first of its kind to raise awareness by sponsoring an around-the-world race.

The race began June 1, 2007 when a team of 20 ran through parts of 16 different countries which include the United States, Great Britain, France, Germany, Russia, China, Austria and the Netherlands. The 20 runners were divided up into five teams of four.

Every day the runners would get up, eat and then run. Each member of the team would run for 90 minutes, and then rest in the vans while another member of their team took over. Each team was responsible for running six hours every 24 hours.

With four teams in place, this guaranteed that someone was running all day, every day. An average of 160 miles was covered on each day of the run. At the end of the day, the exhausted runners would return

to the hotel to have dinner and get ready to repeat the same process for the next 94 days. This system of running allowed time for the runners to be interviewed by the media.

The remaining 270 days of the year are spent planning for this event as well as raising awareness and funds. Ignition Inc. is a marketing agency hired by Blue Planet Run to increase the awareness of this worldwide water crisis.

Vicki Rokhlin, a fourth-year

and we'd choreograph running times so that the film crews could capture the runners," Rokhlin said.

Rokhlin, like other interns on the project, would sometimes travel up to 11 or 12 hours a day, capturing pictures and encouraging the worn-out athletes. Over a year in advance, Blue Planet Run sends out scouts to Asia, North and South America and Europe. These agents are responsible for tracing out the routes of the next year's race. The work must be



Management major, recently worked on the project.

"I was an intern at Ignition Inc. over the summer," Rokhlin said. "I was approached by the president of the company who learned I was fluent in Russian. He told me he wanted me on the project."

Rokhlin acted as a translator between the runners and the interviewers.

"We would wake up and organize press conferences...we would educate the press on what Blue Planet Run is,

extremely accurate.

Currently, applications are pouring in from athletes who want to be a part of next year's race. Rokhlin, also a member of the runner recruitment committee, processes these applications.

"We typically have about 300 applicants apply. We narrow these 300 down to 20 runners through the online applications, phone interviews, and online video conference interviews," Rokhlin said.

Blue Planet Run also raises funds

throughout the year to sponsor the project. They ask for a donation of 30 dollars, which would provide someone water for life.

"Thirty dollars is nothing. We're trying to stress how significant this one-time donation is. Give up a nice dinner once in a while, and help us turn this vicious crisis away," Rokhlin said.

Online contributions and activations are the largest sources of money. During the run, a baton would be passed at certain exchange points. These exchange points, or activations, are a time for the runners to share their personal experiences with the audience gathered at these points. Runners would quiz the crowd, hand out free prizes, and rally support and donations for Blue Planet Run.

Tech has been heavily involved in this project for several years. Recent Tech graduates and Tech students intern at Ignition Inc. "Janell Stuart is a recent Tech graduate who worked as an intern with Ignition Inc.," Rokhlin said. "Janell had the difficult task of mapping the routes, directing the runners, and working as a night pilot on the road."

The Blue Planet Foundation, which puts on the Blue Planet Run event, currently has 130 water projects funded in 13 third world nations. The magnitude of these projects impact over 100,000 lives.

The project is a great way to bring relief to developing countries. Interested students should check out the website at www.blueplanetrun.org.

Greeks from page 11

looking at expanding the reaches of the program. Waring predicts that by January 2008 at least two to three other zones will have joined the recycling program, and by this time next year all the zones and their respective chapters will be fully involved.

After assembling all the zones and the various fraternities and sororities, Waring hopes the program will expand its recycled materials to include glass, plastic and other substances. Within the next few years, the Tech Greek community will show nearly unprecedented progress in the Southeast's campuses' push for an environmentally-friendly atmosphere.

Next week marks the deadline for the paperwork for this project, and all these developments will take several years to blossom fully. The simple commencement of this mission is remarkable.

"It's great that we're leading the way for these initiatives," Waring said.

Everyone can still do their part to promote Tech's policy of thinking green, even outside of the Greek community. In Housing and other programs at Tech, Facilities has provided useful and extensive recycling services. There are many recycling locations throughout the campus, including ones for aluminum cans, mixed office paper and plastic bottles. These facilities are available for general use and for the promotion of a healthier environment both on and off campus.



2008 IMS Research Competition Kickoff Event



November 28th
4:00 pm - 6:00 pm
at TSRB*

\$45,000 in cash awards!

Compete for cash prizes and internships with AT&T and Nokia Siemens Networks!
See the latest mobile communication applications.
Enjoy food and refreshments.

T-Shirts provided to the first 100 students!

A great opportunity to meet industry leaders from AT&T, Nokia Siemens Networks and Georgia Tech.

* Technology Square Research Building (TSRB) at 85 Fifth Street N.W., Atlanta



www.forgedbyims-research-competition.com



SGA initiatives support sustainability on Tech's campus

By Vivian Fan
Contributing Writer

While the push for a more eco-friendly and sustainable campus has increased greatly in the past few months, Tech's efforts are only the latest moves in more than a decade long effort to clean up and promote a greener campus. Tech's administration, student body and various organizations such as the Sustainability, Facilities and Infrastructure Institute have combined forces to promote this cause.

As early as 1997, Tech began working to create sustainable growth inside and outside of campus. Sustainability, which is the relationship between human building needs (political and economical) and environmental issues, has reflected on each decision made by the Institute from how the Institute deals with its resources to how it affects those resources.

"[Sustainability] is clearly one of the administration's top priorities: the concept of sustainability was incorporated into Tech's mission statement, and Dr. Clough recently signed the American College & University Presidents Climate Commitment," said Nick Wellkamp, vice president of Administrative Affairs for SGA.

In order to incorporate sustainability and create a greener campus, Tech's administration has focused on constructing more LEED (Leadership in Energy and Environmental Design) certified buildings and

on water conservation amidst the current crisis. Since 2001, Tech's Atlanta campus has nearly doubled in building square footage. Because of LEED certification requirements, which rate the design, construction and operations of buildings striving to be green, the growth has not necessarily been a detriment to the environment. Tech currently has ten

"The master plan incorporates sustainable growth in its design aspects."

Sarang Shah
Chair, Planning and Development Committee

LEED certified buildings including the Ford Building, Whitaker BME, Management and the Klaus Building. In spite of this growth, Tech has managed to decrease its water usage by 23% since 2001 and maintained water usage at 300-350 million gallons annually. Tech has managed to incorporate the idea of sustainability inside and outside of the classroom under its Campus Master Plan.

"The master plan incorporates sustainable growth in its design aspects. A major problem in this state has been unbridled growth with very

little attention paid to the resources needed to sustain that growth. Tech is well aware of this situation and has developed a campus master plan that is mindful of resources at all stages of development," said Sarang Shah, chair of SGA Planning and Development Committee.

"The Campus Master Plan, which guides new construction and renovation on campus, has specified key sustainability goals of reduced hydrocarbon emissions, reduced material consumption, reduced water consumption and reduced storm water runoff. The concept of sustainability is taught in many classes at Tech, and more and more research efforts are being devoted to sustainable technologies, practices, and policies," Wellkamp said.

While Tech's effort for a more sustainable campus has been prolific so far, the students and administration are still far from their goal of attaining a more sustainable campus. Currently, the water shortage in the state of Georgia has highlighted for the administration and student body the needed changes in Tech's master plan.

"Emory was just named among the top 20 environmentally friendly campuses...in some aspects we do very well, such as good building practices and using condensate and drain water to irrigate the campus...[but] I feel there is a lot of room for improvement in other areas," said Carly Queen, president of Students Organizing Sustainability.

Various student leaders and

environmental organizations have made it their cause to promote such improvement.

This effort included handing out flyers and advertising on Skiles, in facilities and in campus housing, addressing the need for students to save energy, recycle and conserve water.

"In the long run, we would like Housing and Facilities to permanently put up general conservation tips around campus, just like the 'save the juice, turn off the lights' stickers Housing puts up next to light switches. We also plan on continuing the cooperation we have with all the different environmental organizations on campus and the administration to promote a united vision of conservation and sustainability as we tackle other problems such as recycling [and] energy use," Shah said.

Each of the three organizations has also made it their cause to promote this effort. On Nov. 13, SGA passed a joint resolution acknowledging the current water crisis and dedicating money to encourage lawmakers and the administration to take action on the cause. Students for Sustainability is promoting sustainability in other facets, such as replacing disposable Styrofoam plates and plastic utensils with more biodegradable materials and creating a compost system to convert raw food waste.

"It's also really important for everyone who wants to promote sustainability and conserve water to talk about these issues at every opportunity. Creating an ongoing conversation about conservation, including helpful tips, is the best way to encourage others to do their part," Queen said.



By Ben Keyserling /STUDENT PUBLICATIONS

All the drinks in this icebox are in recyclable containers. Tech is creating programs to promote sustainability awareness on campus.

Get these movies On Demand the same day as DVD.

(Yeah, this totally should have been front page news.)

Catch new movie releases for \$3.99.

Go to Channel 1 or press On Demand on your remote. Channel 1 with Comcast Digital Cable. It's Comcast!

1-888-COMCAST
comcast.com/newmovies/atlanta



Rated PG-13 • Available 11/13



Rated PG-13 • Available 11/20



It's Comcast!

New movies released on DVD are currently available the same day on Channel 1 On Demand in limited areas. Not all movies released on DVD are available and content is limited. Restrictions apply. Comcast Digital Cable required for Channel 1 On Demand. Advertisements and other On Demand programming subject to change indicated at the time of purchase. Prices shown do not include taxes and franchise fees. Channel 1 On Demand programming available for limited time periods and is subject to change. Please call your local Comcast cable office for restrictions and complete details. Ocean's Thirteen ©2007 Warner Bros. Entertainment Inc. All rights reserved. Live Free or Die Hard ©2007 Twentieth Century Fox Film Corporation. All rights reserved. ©2007 Comcast. All rights reserved.

7 STEPS TO A CLEANER WORLD

R

1. Office Paper

Those old tests, hand-outs, and copies can be put to good use.



E

2. Newspaper

The *Technique* is good for reading and recycling.



C

3. Cardboard

Moving? Recycle your boxes instead of tossing them.



Y

4. Milk Jugs

Surprisingly, milk jugs are not biodegradable. So recycling is a must!



C

5. Glass Bottles

Glass bottles are not just trophies for your dorm—they are recyclable.



L

6. Aluminum Cans

Need caffeine to keep you up? Just make sure to recycle the cans.



E

7. Soda/Juice Bottles

These plastic bottles may be bigger, but they're not harder to recycle.



Report from page 11

percent of the colleges and universities surveyed earned an "A" for this category, making it the area in which schools achieved highest. According to the report, "The Institute composts yard waste and has an award-winning recycling program [which] includes a regional recycling day...an annual student move-in/move-out collection and re-use program; and the publication of 'The Green Purchasing Guide.' Tech offers some fair-trade coffee and encourages its food service provider to purchase products locally."

The report also partially addressed the fate of large quantities of oil used at Brittain and Woodruff dining halls: "[Tech is] currently running a biodiesel pilot program with used cooking oil from dining services."

For the Green Building category, Tech earned a "B." According to the report, "The Institute relies on the principles of sustainability in its campus strategic plan and its campus and landscape master plans."

Additionally, the report states, "The new management building is LEED Silver, a new construction project is seeking LEED Silver certification, and ten other buildings were designed following LEED standards."

Accreditation programs and rating systems from Leadership in Energy and Environmental Design (LEED) are nationally recognized standards for environmentally-responsible buildings.

"The Institute relies on the principles of sustainability in its campus strategic plan and its campus and landscape master plans."

College Sustainability Report Card
Sustainable Endowments Institute

Tech also earned a "B" for the Transportation section.

According to the report, "Tech operates its own transportation system that annually carries 2.1 million people and supplements the city of Atlanta's Metro Atlanta Rapid Transit Authority (MARTA) mass transit system. All eight of the Tech Trolley vehicles are powered by natural gas and... [f]ourteen percent of the motor pool is electric and 20 percent of the vehicles use some form of alternative fuel."

In the area of Endowment Transparency, Tech received an "F." The justification behind a failing score, according to the report, is that "the Institute has no known policy of disclosure of endowment holdings or its shareholder vot-

ing record."

Up two letter grades from last year, Tech earned its only "A" for Investment Priorities.

According to the report,

"The Institute aims to optimize investment return and has also made several invest-

ments in alternative energy, most of

which are in venture capital funds."

By comparison, twenty-

two percent of schools in the study also earned

an "A" for this category.

In the final section,

Tech's "Shareholder Engage-

ment" received an "F." According

to the report, "The Institute has no known policy of disclosure of endowment holdings or its shareholder vot-

ing record."

Up two letter grades from last year, Tech earned its only "A" for Investment Priorities.

According to the report,

"The Institute aims to optimize investment return and has also made several invest-

ments in alternative energy, most of

which are in venture capital funds."

By comparison, twenty-

two percent of schools in the study also earned

an "A" for this category.

In the final section,

Tech's "Shareholder Engage-

ment" received an "F." According

to the report, "The Institute has no known policy of disclosure of endowment holdings or its shareholder vot-

ing record."

Up two letter grades from last year, Tech earned its only "A" for Investment Priorities.

According to the report,

"The Institute aims to optimize investment return and has also made several invest-

ments in alternative energy, most of

which are in venture capital funds."

By comparison, twenty-

two percent of schools in the study also earned

an "A" for this category.

In the final section,

Tech's "Shareholder Engage-

ment" received an "F." According

to the report, "The Institute has no known policy of disclosure of endowment holdings or its shareholder vot-

ing record."

Up two letter grades from last year, Tech earned its only "A" for Investment Priorities.

According to the report,

"The Institute aims to optimize investment return and has also made several invest-

ments in alternative energy, most of

which are in venture capital funds."

By comparison, twenty-

two percent of schools in the study also earned

an "A" for this category.

In the final section,

Tech's "Shareholder Engage-

ment" received an "F." According

to the report, "The Institute has no known policy of disclosure of endowment holdings or its shareholder vot-

ing record."

Up two letter grades from last year, Tech earned its only "A" for Investment Priorities.

According to the report,

"The Institute aims to optimize investment return and has also made several invest-

ments in alternative energy, most of

which are in venture capital funds."

By comparison, twenty-

two percent of schools in the study also earned

an "A" for this category.

In the final section,

Tech's "Shareholder Engage-

ment" received an "F." According

to the report, this grade is based on the fact that "the Institute has not made any public statements about active ownership or a proxy voting policy."

The College Sustainability Report Card obtained its information on Tech through independently-conducted research, in addition to surveys on campus sustainability policy and endowment shareholder practices.

Emory University's overall sustainability score was a "B-," while the University of Georgia received a "D." Harvard University, Carleton College, Dartmouth College, Middlebury College, University of Vermont and University of Washington all earned an "A-," the report's highest cumulative sustainability grade.

The Sustainable Endowments Institute is a non-profit organization based out of Cambridge. The Institute is "engaged in research and education to advance sustainability in campus operations and endowment practices," according to their website.

For more information, or to view Tech's individual assessment, visit www.endowmentinstitute.org/sustainability/profiles2008.html.



By Ben Keyserling / STUDENT PUBLICATIONS

LEED (Leadership in Energy and Environmental Design) awards various certification based on a building's sustainability rating.

sliver

www.nique.net/sliver

On a scale of one to 10, slivering gives you a +2 bonus on your sex life.

Who in the world is Carmen Sandiego?

Take on me... take me on...

Why are they washing windows with Windex and saying it's water free? What, is Windex solid now?

There is definitely water in Windex

Silly facilities department, how clueless.

The 'nique should start a sliver dating service

There are so many people trying to hook up via slivers

It's worse than missed connections on craig's list.

The Baron is asleep and cannot fix the slivers.

Mwahaha!

And so another column gets filled up bit by bit.

Tonight's the night I shed

My wicked soul

Teeth!

More teeth!

Glorious teeth!

Speaking of, I need a toothbrush.

Registration sux

why is there so much construction on campus.

Dear <Girl X> in <Building/Bus/Street Y>: you are <overly descriptive adjective pertaining to appearance, preceded by an adverb>

Will you <verb related to face-to-face communication the sliver writer cannot accomplish on his or her own> me?

Sigh, the pattern is so familiar.

grading tests is almost as bad as taking them

but there is a lot less pressure.

MIT is advertising in our paper, woot

the best ad in teh technique ever was the GI Joe one in full color

I cut it out and hung it on my wall

where is waldo?

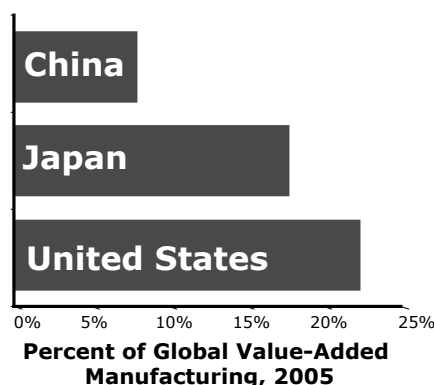
Hey AIESEC!

Opera rules

slivers are over

Master of Engineering in Manufacturing Creating Global Professionals

Manufacturing is more important than ever, in the U.S. and around the world.



New technologies and markets require a new kind of professional. We prepare students with the knowledge and experience they need to become innovators in the field of global manufacturing.

The Master of Engineering in Manufacturing is an intensive one-year program with an integrated, project-oriented curriculum grounded in engineering science. A group project in industry gives students real-world experience.

Fellowships and opportunities for global study are available.

Become a leader in manufacturing and learn the **process**, **product**, **system**, and **business** aspects of manufacturing.

For more information, including application materials, visit <http://web.mit.edu/meng-manufacturing/>

Master of Engineering Program
MIT Room 35-231
77 Massachusetts Avenue
Cambridge, Massachusetts 02139
617-258-5622
menginfo@mit.edu



**Massachusetts
Institute of
Technology**

Streets from page 11

the importance of optimizing the usage of a single pipe by mixing its use. "It's like the idea of a parking lot," Crowley said.

The "parking lot" is the idea that a single parking lot could satisfy multiple organizations. Say, for example, that a Chick-fil-A, an office building and a church share a single parking lot. The Chick-fil-A and office building do not require parking on Sundays, while the church only requires significant parking on Sundays.

Instead of the Chick-fil-A, the office building and the church all having their own parking to match their peak necessity, they can coordinate and share a single parking lot. By mixing use so that multiple groups can use a single resource, everyone saves money, space and time. "Thousands are served, more efficiently," Crowley said.

When asked if this will ever actually happen, "...water shortages will drive trends in the right direction. A sustainable infrastructure implies mixed use," Crowley said.

When Dr. Crowley began to talk about the current state of transportation in America, his most significant point became apparent. "The automobile took over the country," Crowley said. "Look at the differences between new automobile cities and older pre-automobile cities."

Pre-automobile cities, such as New York, Boston and most large cit-

ies in Europe have better mass transit systems and are more concentrated. Cities like Atlanta, Phoenix or Los Angeles, on the other hand, have less developed public transportation and suffer from urban sprawl.

"Automobiles prevent density and encourage sprawl," Crowley said. Density is an idea that Dr. Crowley emphasizes just as strongly as mixed use. Denser populations require less space, less pipes, less

"Water shortages will drive trends in the right direction. A sustainable infrastructure implies mixed use."

Dr. Jack Crowley
University of Georgia

cars and ultimately less resources to be sustained.

"Automobiles also prevent rail development," Dr. Crowley said. He suggests that rails are only efficient in dense areas, such as London or New York. As cars prevent density, they prevent rails. He also accuses the current tax system as being ruinous for transportation as a whole.

Gas taxes are volume-based, not value-based. "This is fatal...construction costs rise hugely. At the same

time, we want more miles per gallon, giving less money to highway systems," Crowley said.

Finally, Dr. Crowley talked about the obstacles barring change. Everything from habits and skepticism to trucking lobbyists and the American Automobile Association try to prevent change. "They would lose money, and they don't like it," Crowley said.

He also emphasized that scarcity could promote a more efficient infrastructure. His last slide showed a sketch of a car driving away in the distance. "It's a car, hopefully driving off a cliff into the setting sun," Crowley said.

During a question-and-answer session after his presentation, Dr. Crowley responded to several key issues. One student asked whether larger pipes will contribute to urban sprawl. "Well, yes. And it takes a benevolent dictator to control it," Crowley said.

A benevolent dictator is a person, or a council of people, that are willing to control the expansion and construction of the infrastructure in a town.

When asked where the leadership will come from, Crowley said, "It is going to happen. It's just a matter of when...not everywhere at first, but it will start somewhere. And that's all that it takes."

In conclusion, Crowley explained the largest obstacle: lag time. "It's all about money...and if it takes 15 years before they make any money, it won't happen," Crowley said.

Companies think of establishing efficient infrastructure as a gamble. Just like the company constructing a hotel would take years to get out of debt, converting to a denser, rail-driven infrastructure would take years to make any revenue.

Yet Dr. Crowley asserts that

there would be revenue. Land near rail hubs would skyrocket in value. People would begin to accept the new methods of transportation.


"For example, MARTA is a good beginning. It's got a long way to go, but it's a good beginning. And that's all that it takes," Crowley said.



By Jon Drews / STUDENT PUBLICATIONS

Rinse and repeat: A facilities staff member waters the plants from a tank filled with reclaimed water from all over campus.


Five or more sunburns
double your risk of developing skin cancer.




Protect your skin.
www.aad.org • 888.462.DERM

THINK

FAST

 **EAT**

JIMMY JOHN'S

FREAKY FAST!  **FREAKY GOOD!**

AMERICA'S #1 SANDWICH DELIVERY!

365 14TH ST. NW
404.892.8080

JIMMYJOHNS.COM

©2007 JIMMY JOHN'S FRANCHISE, LLC. ALL RIGHTS RESERVED.