Tech remembers term, legacy of Pat Crecine

Former Georgia Tech President John Patrick "Pat" Crecine, died April 28 at his home in Pittsburgh. He was 68.

The Institute’s ninth president, Crecine, served from 1987 to 1994, during that period, the university underwent an organizational transformation as he spearheaded a restructuring process that included the creation of three new colleges: the College of Computing, the College of Sciences and the predecessor of what is now known as the Ivan Allen College of Liberal Arts.

"Georgia Tech mourns the loss of Pat Crecine," said Charles Liotto, Regents' Professor of chemistry and chemical engineering.

Cutting out the carbon

EAS Honors Program course challenges students to reduce CO₂

Students in Kim Cobb's class are finding ways to reduce carbon emissions on both a personal and larger scale.

Cobb, an Earth and Atmospheric Sciences assistant professor, instructs the students in her interdisciplinary Honors Program course, Energy, the Environment and Society.

"I’ve always wanted to teach an energy course here at Tech," she said. "In my line of work, (global warming and climate change) is the 'problem.' It's refreshing to bring these problems into the class."

In the class, the emphasis is placed less on conventional testing, and more on utilizing the knowledge gained in making lifestyle changes through participation and successfully carrying out the course's Carbon Reduction Challenge. Cobb says the class—mostly freshman students—was offered in the spring this year and last year. Roughly 60 percent of the class is lectures, from energy and public policy experts, who speak from the scientific and climate perspectives to representatives from Georgia Power Co. "We brought in as many stakeholders as possible," Cobb said. "We keep it very discussion-oriented and hands-on. It's not really about acquiring the knowledge in the hopes they will become involved later on; it's about being in themselves, participant now."

The semester-long reduction challenge, the major aspect of the class, is a series of lifestyle or institutional changes the students can either effect in themselves or others to reduce the amount of greenhouse gases produced. For example, becoming a vegetarian can reduce carbon emissions, as the raising and processing of beef cattle greatly contributes to CO₂ production. The final project is the raising and processing of beef cattle greatly contributes to CO₂ production. The final project...

Focus and vision inspire support for GT Ireland

Dan Treataway
Communications & Marketing

As the global economy has dramatically expanded over the past two decades, Georgia Tech has been a highly visible leader among American universities in taking full advantage of that unprecedented growth.

Through the creation of Georgia Tech-Lorraine in Metz, France—and the subsequent opening of Georgia Tech-Ireland—the Institute began offering unique opportunities for groundbreaking research, high-tech economic development, and student learning.

Tech’s global outreach took a bold new step in 2006 when the Georgia Tech Research Institute (GTRI) opened Georgia Tech-Ireland in the city of Athlone. GTRI, originally known as the Engineering Experiment Station, now employs more than 1,200 and tackles some of the world’s toughest problems for government and industry. GTRI’s first applied research facility outside the United States, GT Ireland is focusing on digital media, radio frequency identification (RFID), biotechnology, and energy. GTRI was recruited by IDA Ireland, the economic development agency of the Irish government, to help bridge the gap between innovation and commercialization.

GT Ireland is a start-up venture that will require visionary donors who see the value of investing in a new research model while providing opportunities to learn from and to help shape one of the great economic success stories in the modern era. Ireland has transformed itself from a very poor country to a worldwide leader in one generation.

"Ireland is becoming a major center for international investment and research, and Georgia Tech needs to take advantage of that."

—Loraine Williams, Georgia Tech-Ireland donor and widow of Thomas R. Williams, former chairman of Wachovia

Academic senate meeting closes out school year

President G. Wayne Clough addressed the combined General Faculty Assembly and Academic Faculty and Academic Senate meeting on April 22 for the final time as the Institute’s leader. The group voted on three agenda items, and several others were discussed, including proposed changes to the Faculty Handbook.

Action items mostly included alterations previously discussed in the Student Regulations Committee. During the approval of the minutes of the Standing Committee of the Academic Faculty, the first action item was the source of some debate.

Mechanical Engineering Associate Professor Jeffrey Streator presented changes to Student Rules and Regulations, which would permit cross enrollment for all students in another institution during the summer without prior Institute approval.

To enroll in another institution while enrolled at Georgia Tech, students must gain prior approval during the fall and spring semesters, but not for...
Teaching Bytes

Semester’s end presents an opportunity for ‘thank you’

Joyce Weinsheimer, associate director for Faculty Development at the Center for the Enhancement of Teaching and Learning (CETL), provides Teaching Bytes for publication occasionally. For more information on CETL, visit www.cetl.gatech.edu.

Joyce Weinsheimer  
Center for the Enhancement of Teaching and Learning

A t the end of spring semester, more than 400 faculty and teaching assistants (TAs) found out exactly what impact they are having on students. Through a nationally prominent program, they were able to quantify their teaching prowess in the fast use of technology. Yes, things have changed.

—Charles Mulford, an accounting professor in the College of Management, on how modern-day CPA exams now must be fluent with technology. (CFO.com)

Crecine, cont’d from page 1

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weights nearly half of the final grade. Students could start with themselves, then try and recruit others to join in the effort and finally tackle an "institutional level" challenge. In Cobb's words, it was all about "scaling up." "I think that the idea is to think of ways to make small, incremental changes—get the low-hanging fruit, then think they had to think of ways to scale up. I think they would say it was very challenging and rewarding." While no tests or lengthy papers were required of students, several "rules of the game" for course work—such as the maximum impact on the reduction of carbon emissions—were required to be accompanied by ample documentation. Any change undertaken, whether on the personal or institutional level, must have accompanied evidence or witnesses. Proof must also be submitted that the reduction in carbon usage would not have happened without the student's intervention. Finally, the change must be quantified using specific sources, such as government agency Web sites, documents and academic literature. "It has to be rigorously documented," Cobb said.

She realized early on that student dollars would probably fall into two groups: those who "run hit ters" who would aim for one, large-scale project, and the personal behavior group, who would attempt incremental changes for themselves and others that would add up. While more challenging to accomplish, if a "run home" group hit its mark, they could claim an overwhelming win.

Which is exactly what happened. The group under Cobb's intervention consisted of students who volunteered to participate in the facilities to extinguish the light at Bobby Dodd Stadium for Earth Week. This lone act was calculated to save roughly 35,000 kWh, which translates to preventing 28,000 kg of CO2 and roughly $2,000. Other projects included an aluminum can recycling program for GTRI organizations, an anti-idling campaign presented to campus utilities drivers and a commitment from the library to turn off certain computers over the weekend and ensure they're turned on for sleep mode while not in use. The winners of the reduction contest travel with Cobb to Washington, D.C., this week to meet with staffs from the offices of U.S. senators Saxby Chambliss and Johnny Isakson, Georgia congressman David Scott, John Lewis and Hank Johnson, and Sen. Richard Shelby, a ranking member with the Subcommittee on Commerce, Justice, Science and Related Agencies. Cobb will also present her paleoclimate research—taken from Borneo and the tropical Pacific atolls—during the D.C. visit.

To jumpstart the course, Cobb took on her own challenges. She convinced Mike Edwards, director of the Campus Recreation Center, to lower the thermostat by two degrees from 11 p.m. to 11 a.m. Cobb, whose research involves examining coral reefs in the tropical Pacific to study climate change during the last 1,000 years, plans to continue these studies with other projects, "I hope to offer some kind of prize in the course," she added. "I think they would say it was very worthwhile for the effort."

In all, she said it was a definite learning experience for all involved. "I learned a lot from my students. The challenge helped get something done, and I hope that next year we can beat this semester's reductions."

For more information...

Earth & Atmospheric Sciences
www.eas.gatech.edu

**Georgia Tech-Ireland**
www.gatech.edu/campuss

**Savannah housing obtained**

Georgia Tech has entered into a partnership with Village at Rice Hope Apartments for campus housing in Savannah. The 519-unit complex is scheduled to be completed by August.

**Senate, cont'd from page 1**

Summer courses, as most students are not enrolled during this time. Under current rules, however, the National Collegiate Athletic Association (NCAA) requires enrollment for scholarship athletes during the summer, so pre-approval still applied for them. The committee's proposed rule change would enable athletes to enroll with the requirement.

"Athletes are required to be here taking classes during the summer," Sherry said. "General students do not have the same restrictions." Some members wanted to know why asking for advanced permission was problematic. "It sounds as if we're saying taking the course at Tech (prior to graduation) was a disadvantage," one member said. Other mitigating issues were presented, such as financial aid opportunities and the timing of summer sessions. Some schools may offer classes earlier or later than Tech, which would fit better into some students' schedules. Additional changes recommended by the committee were that cross-enrollment and concurrent registration during the summer be made available to all degree-seeking students, instead of for only degree-seeking seniors and graduating students. The committee also proposed the Student Rules and Regulations Section 8.B.9 provide for "academic renewal," or allowing students who have been absent from enrollment for at least five years to petition for return, gaining a fresh start on their GPAs. All proposed exceptions passed. Handbook changes discussed included an amended section on intellectual diversity, streamlining the faculty grievance process and improving implementations to elections. Georgia Tech Research Institute Principal Research Technologist Timothy Strike presented the proposed intellectual diversity section, which states that faculty and students will not be evaluated or disadvantaged based upon their political opinions. This change brings the Institute in line with the American Council on Education's position. Due to the high volume of grievances in 2006 and 2007, Literature, Communication and Culture Professor Carol Colatrelia, with the Task Force on Faculty Status and Grievance Committee, presented three recommendations to the body, including adding formal administrative support, creating a secondary pool of academic or general faculty to assist if needed and changing the current grievance process by adding an Informal Resolution section. Secretary of the Faculty, Principal Research Scientist Ron Bohlender presented the recommended handbook changes to help improve faculty elections. Proposals included pooling candidates for multiple elections on the same committee or body: controlling the curriculum committees' sizes, better ensuring fair distribution of positions across the colleges; and providing a more effective process for selecting representatives in Services and Central Administration. He added the most recent elections were run in this manner, to favorable results.

The Intellectual Diversity and Faculty Status and Grievance Committee alterations were approved unanimously, while the faculty elections procedural change was also unanimously approved upon its second reading. For information on other business conducted during the assembly, visit www.whistle.gatech.edu.

For more information...

Faculty Governance
www.facultysenate.gatech.edu

**Judge issues ruling in students' lawsuit**

On April 29, a federal district court judge issued a final ruling in a 2-year-old lawsuit brought against Tech by two students. The plaintiffs took issue with the Institute's "speech codes" in campus housing, the use of mandatory student fees to fund organizations and language in the student-run Safe Space policies, which contained language in its training manual from varying religious texts and how each viewed homosexuality.

Tech argued a year ago to change its speech codes, and the judge ruled for the Institute in regards to its use of fees. The ruling, however, applied to the institute's "speech codes" from the Safe Space training manual, an action Tech had already taken. "We are pleased that the plaintiffs were awarded no damages, and that the judge ruled in favor of the Georgia Tech free speech zone policy and use of student activity fees," said James Petig, associate vice president for Communications & Marketing.

The suit also had named as defendants Senior Director of Housing Paul Black, President G. Wayne Clough, former Dean of Students Gail DiSabatino, Assistant Dean of Students Danielle McDonald and Associate Dean of Student Affairs Stephanie Ray. Clough and Ray were entitled to qualified immunity, and the other defendants were dismissed from the suit.

**Kippelen elected SPIE fellow**

SPIE, an international society advancing an interdisciplinary approach to the science and application of light, has elected Computer Engineering Professor Barnard Kippelen a fellow of the society for his achievements in organic photodetectors. For more information, visit www.spie.org and www.ece.gatech.edu.

**For more information...**

**Georgia Tech-Ireland**
www.gatech.edu/campuss

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For more information...

**WWW.WHISTLE.GATECH.EDU**
CAMPUS EVENTS

Arts & Culture

Ongoing

The School of History, Technology and Society presents the Robert C. Williams Paper Museum exhibit "How Do They Spend it?" from April 25 to Sept. 1. For more information, contact Professor Gus Giebelhaus and students from HTS 4001, the exhibit examines money and images on money from 10 countries. For more information, visit www.ipst.gatech.edu.

The Spruill Gallery presents "Breaking New Ground: Intersections at the Frontier of Art and Technology," from 11 a.m. to 5 p.m. Wednesdays through Saturdays. Works by Tristan Al-Haddad, Carla Diana, Jason Freeman and Gil Weinberg will be featured. For more information, visit www.spruillarts.org.

Conferences & Lectures

May 6

The Brook Byers Institute for Sustainable Systems presents the Georgia Climate Summit, from 9 a.m. to 5 p.m. in the Ferst Center for the Arts. For information, visit climatesummit.gatech.edu.

May 7

The School of Aerospace Engineering hosts a town hall meeting on space exploration, presented by the Planetary Society and Tech's Center for Space Systems. Bill Nye "The Science Guy" will host the meeting, held at 7 p.m. in the College of Management's LeCraw Auditorium. For more information, contact Cindy Pendley at 894-3251.

May 13

Richard Fonseca of CardioMEMS presents "Development of Implantable Wireless Pressure Sensors for Chronic Disease Management," part of the PanTech/lecture series, from noon to 1 p.m. in room 102A of the Microelectronics Research Center. For more information, visit www.mirc.gatech.edu.

Penn State Professor Christopher Siedlecki presents "Biomaterial-Induced Thrombosis: New Approaches to a Classic Problem," from 3 to 4 p.m., in room 1128 of the Institute for Bioengineering and Bioconstruction. For more information, visit www.ibb.gatech.edu.

May 15

The Advanced Technology Development Center presents the 2008 Entrepreneur's Showcase, which attracts leading entrepreneurs and business authorities, from 2 to 5 p.m. at the Biltmore Hotel. For more information, visit www.ATDC.org.

Faculty/Staff Development

Ongoing

The Office of Organizational Development offers a Web-based tutorial on the basics of using a state purchasing card (P-Card). To register, visit www.trainingsweb.gatech.edu.

The Office of Organizational Development offers an Emergency Preparedness Certificate, which consists of seven smaller courses, including "Fire Safety," "Facilities Hazard Training" and "Basic First Aid/Adult CPR/AED." For more information on scheduling, visit www.startdev.gatech.edu.

The "Defining Customer Service" certificate program covers campus groups and employees with the foundation for offering exemplary service to those both on and off campus. Four required courses and two electives are offered. For more information, visit www.training.gatech.edu.

Miscellaneous

Ongoing

Online registration for 2008-2009 parking permits begins April 15 and continues through June 30. To register, visit www.appyparking.gatech.edu. For more information, visit www.mirc.gatech.edu.

May 12

Journalist Cookie Roberts will read from and sign copies of her newest book, "Ladies of Liberty: The Women Who Shaped our Nation," from 2 to 3:30 p.m. in the Georgia Tech Bookstore. For more information, visit www.gatechbooks.com.

May 13

The Silver Jackets, Tech's faculty and staff retirees organization, meets at 11 a.m. in room 345 of the Student Center. Scheduled guest speakers are Howard Werthimer, director of Capital Planning and Space Management, and Judy Lloyd Thompson, department head of the Library Archives and Records Management Department.

May 16

GTmag (Georgia Tech Military Affinity Group) presents a panel session with several Medal of Honor recipients, from 8 to 10 a.m. in the Wardlaw Center, in recognition of Armed Forces Day (May 17). For more information, visit www.gtmag.org.

May 17-16

The 2008 USA Olympic Weightlifting Trials will be held at the Ferst Center for the Arts from 11 a.m. to 3 p.m. and 5:30 to 9:30 p.m. on Friday and noon to 4 p.m. on Saturday. Undergraduate stu- dent Chandler Alford and Tech alumna Gwenndolyn Sisto will compete. Tickets are $11.25. For more information, visit www.olympicpictorials2008.com.

May 20

The Faculty/Staff Retirement Dinner will be held in the Gordy Room of the Wardlaw Building, from 6 to 9 p.m. Tickets are $18. RSVP by May 9; contact events@comm.gatech.edu. For a list of this year's retiree recipients, visit www.whistle.gatech.edu.

May 21

A faculty and staff farewell reception will be held for President G. Wayne and Anne Clough from 2 to 5 p.m. in the ballroom of the Georgia Tech Hotel and Conference Center in Technology Square.

CLASSIFIEDS

AUTOMOBILES/MOTORCYCLES

1994 Kawasaki Vulcan 750 motorcycle, 5 miles, 1,080,000 miles on odometer, 12,000 miles, 8,000 miles on rebuilt engine, $1,050. Call 404-371-0450.

1998 Honda Civic, 117,000 miles, 5-speed manual, 19" tires, 1 owner, $1,200. For more information, call 404-491-2882.

1996 Audi 100, 1 owner, 100,000 miles, $1,700. Call 678-371-6550 or e-mail scott.perkins@oilt.gatech.edu.

REAL ESTATE/ROOMS

1BR Midtown apt., spacious, hardwood floors, wash/dry incl., parking, $800 per month. Call 385-1358 or 404-972-0645.

For rent: New, 1BR/1BA furnished carriage house apt., wash/dry, utilities incl, walk to campus. Short or long-term lease available, $1,200/mo. E-mail dani@99@gmail.com.

Roommate Needed: 2BR/2.5BA house apt., 2BR/2.5BA townhouse, 5 miles to Tech, Park-like, gated community w/clubhouse, private patio overlooks pool. Fresh paint, newer appliances and laminate hardwoods, $712,000 (furnished negotiable). Call 404-723-1616 or e-mail elleengram@juno.com.

2BR/2BA waterfront Lake Martin condo, Fireplace, 2 balconies, pool, stainless steel appliances in kitchen, tile and berber, includes private boat slip. In the gated Stillwaters community, near golf courses and marina. $350K. E-mail mag1@101silky65@yahoo.com.


100th Anniversary Edition Harley-Davidson helmet, 3/4, black/silver, medium with carrying bag. Never worn. $200 firm. E-mail Marge123@sbelisouth.net.

May 17


Canso EOS E1an 7n 35mm camera, w/ 28-90 zoom lens, built-in motor drive and flash, 1/1000 sec., shutter. $175. E-mail jim.cook@grtl.gatech.edu or call 404-630-9406.

Unlimited use of cabins and RV sites, 15 minutes from Dahlonega. Free horseback riding, swimming pool, tennis courts and more. New memberships are $5,495; buy mine for only $1,800. I pay all transfer fees. E-mail dana.stocks@gtri.gatech.edu or call 404-410-0208.

SPORTS/FITNESS/RECREATION

Male, 7 ft. 150 lb., Sagittarius, collects auto memorabilia. Ad appears and runs for three weeks in the order in which they are received. E-mail submissions to editor@comm.gatech.edu.

May 17


1000th Anniversary Edition Harley-Davidson helmet, 3/4, black/silver, medium with carrying bag. Never worn. $200 firm. E-mail Marge123@sbelisouth.net.

FURNITURE/APPLIANCES

3-piece sectional sofa: $850. Sleeper sofa, 2 recliners and wedge. Microsuede fabric, black. $900. Call 404-407-8094 or e-mail roddies@gatech.edu.

New 24" yellow gold tennis bracelet w/ round diamonds. $1,000, neg. Retail $1,500. Also, size 14 informal white pearl drop earrings. $200, neg.

Furniture: 2BR/2BA townhouse, $1,200/mo with WIFI, cable, 1 car garage. $3l5K E-mail magnolia30135@yahoo.com.

Short-term lease; expires December 31. In the gated Stillwaters community, near golf courses and marina. $3l5K E-mail magnolia30135@yahoo.com.
