Renovations Come to Tech Tower

By VICTOR ROGERS
INSTITUTE COMMUNICATIONS

Georgia Tech’s most recognizable landmark will undergo a $7.5 million renovation beginning in a few weeks.

The Lettie Pate Whitehead Evans Administration Building, widely known as Tech Tower, will get a major upgrade of its plumbing, electrical, and heating and cooling systems, as well as the addition of a second interior stair exit stairwell and a new elevator. The building will be vacated by mid-October, with its occupants temporarily relocating to other buildings on campus. The Registrar’s Office will move to the Savant Building, the College of Sciences Dean’s Office will relocate to Cherry Emerson Building, the College of Engineering Dean’s Office will move to the MiRC/Pettit Building until the renovation is completed in late 2016.

“Tech Tower is a historic landmark as well as a working building,” said Linda Daniels, associate director, Capital Planning and Space Management (CPSM). “The renovation will not be flashy. It is primarily a fire, life safety, and accessibility renovation designed to improve occupant safety and comfort as well as the building’s overall energy efficiency.”

One visibly noticeable change being made is that the elevator, which currently only serves the ground floor, with its entrance on Uncle Heine exterior will be the removal of the metal fire exit stairs currently attached to the building’s exterior. The most notable changes to the building’s exterior will be the removal of the metal stairs and window air conditioning units. New windows are also being considered.

When the renovation is complete, the public corridor on the ground floor, with its entrance on Uncle Heine, will be faster and bigger to accommodate emergency personnel and their equipment.

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One visibly noticeable change being made is that the elevator, which currently only serves the ground through third floors, will be replaced and extended to the fourth floor. The orientation of the elevator doors will change, and the new elevator will be faster and bigger to accommodate emergency personnel and their equipment.

The second interior fire exit stairwell to be added will take up part of the first-floor break room and conference room, as well as some office space on the third and fourth floors. The new interior fire exit stairs will eliminate the need for the metal fire exit stairs currently attached to the building’s exterior. The most notable changes to the building’s exterior will be the removal of the metal stairs and window air conditioning units. New windows are also being considered.

When the renovation is complete, the public corridor on the ground floor, with its entrance on Uncle Heine, will be faster and bigger to accommodate emergency personnel and their equipment.

This is a fantastic way to give recognition to Coach McAuley,” Bergmark said. “He was a great coach, an outstanding coach who devoted four decades to coaching swimmers at Tech — both competitive swimmers and undergraduates taking the compulsory and infamous “drown-proofing” class.

Indeed, for two decades, the Aquatic Center has been a signature feature within the Campus Recreation Center as well as a focal point for campus tours. And now, because of the vision of one alumnus, it will bear the name of a beloved Tech swimming coach.

The facility, which will soon be known as the McAuley Aquatic Center, was named to honor James Herbert “Herb” McAuley, a 1947 electrical engineering graduate and former swimming champion who devoted four decades to coaching swimmers at Tech — both competitive swimmers and undergraduates taking the compulsory and infamous “drown-proofing” class.

Richard L. Bergmark, a 1975 industrial management graduate, is the man who made it possible. One portion is an outright gift to fund two new high-tech scoreboards for the NCAA Men’s and Women’s Swimming and Diving Championships, which Georgia Tech will be hosting in the spring of 2016. The second part consists of a multi-year pledge creating an endowment in support of facility maintenance, improvements, and swimming programs. And the final component is an irrevocable estate provision that will one day ensure that the endowment is fully funded.

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New Wordpress Service Offers Easy Website Option

KRISTEN BAILEY
INSTITUTE COMMUNICATIONS

Having an up-to-date, visually pleasing Web presence is essential in most professional industries today. For some Tech employees, though, maintaining a website is one more thing on a long list of tasks.

A new service gives those who aren’t full-time Web developers an easy way to create or maintain a website that shares information about themselves or their work.

Professional Web Presence (PWP) lets those without coding and Web development experience create a website with a Georgia Tech theme with just a few clicks.

“We looked at the Web as it exists on campus and were seeing a lot of sites that were outdated, visually unappealing, and vulnerable to hacks,” said Eric Sembrat, Web manager in the College of Engineering who helped get the PWP system up and running. Sembrat and others in the campus Web development community from the Ivan Allen College of Liberal Arts and College of Sciences took upon themselves last year to explore solutions in response to requests from faculty and staff in their own colleges.

PWP issues Wordpress-based sites and comes with pre-set packages, themes, and plug-ins all designed with Georgia Tech users in mind. Site administrators can increase additional Georgia Tech users on their site and give them different privileges for editing and updating content. Websites or individual page privileges can also be password-protected for those groups who may want to limit who can view certain information.

The system is ideal for those who need a simple site for their work, such as a faculty member. But it is not meant for those wanting or needing more customized options, or a more in-depth website of the scale that a school or college may need.

“We wanted to make something for those who work with the Web as a very small part of their jobs, and have it be as simple as possible so it’s basically self-service,” Sembrat said.

Many of Tech’s websites are built on the open source Drupal platform, which is designed to be user-friendly but still has a learning curve. In the Wordpress system, those who have used a blogging platform or done formatting in Microsoft systems should find it fairly intuitive. A mobile-friendly view even lets users make changes from a tablet or phone.

The PWP administrative team handles security updates and patches, and all the sites are built with accessibility in mind. So far, 260 users are working on more than 180 sites created with the system. Some examples of sites built with the system include the InVenture Challenge (www.inventurechallenge.gatech.edu), Stanley Neural Coding Laboratory (www.stanley.gatech.edu), and blog of Gary May, Southern Company Chair and Dean of the College of Engineering (www.deanmay.gatech.edu).

This fall, PWP is taking its training on the road and scheduling information sessions in schools and colleges around campus. The group also hosts a monthly drop-in session at Highland Bakery in the Bradley Building where users can stop by with their laptop to ask questions or learn more. The next drop-in session takes place Wednesday, Sept. 16, from 1:30 to 4 p.m. in the Bradley Conference Room. To learn more or get started creating a website, visit www.pwp.gatech.edu.

**FLU SHOTS OFFERED ON CAMPUS STARTING SEPT. 29**

JOHN KENNINGTON
STAMPS HEALTH SERVICES

The Centers for Disease Control and Prevention recommends that people receive vaccinations against the flu soon after the vaccine becomes available.

Stamps Health Services will again offer flu shots to Tech faculty and staff this year for $25. Influenza or “the flu” is a contagious respiratory illness caused by influenza viruses. It is a serious threat to public health and can cause mild to severe illness, and, at times, can lead to death. Vaccines for the 2015-16 influenza season are approved by the Food and Drug Administration (FDA) for the prevention of influenza in children, adolescents, and adults, including the elderly. Though there are several vaccines approved by the FDA in both nasal spray and injectable forms, Stamps Health Services only administers the injectable flu vaccine. This vaccine being administered at Stamps this season is a quadrivalent vaccine, meaning it includes four strains.

Those who received vaccines last year are encouraged to be vaccinated again. The body’s level of immunity from a vaccine received last season is expected to have declined, and immunity levels against the four strains that research indicates are likely to circulate this season.

Flu clinics will take place on Sept. 29, Oct. 6, Oct. 20, Nov. 10, and Nov. 17. Faculty and staff may attend any clinic to receive their vaccine, or they can call 404-894-1420 to make an appointment.

Payment is accepted via credit card or BuzzCard, and employees should plan to present their BuzzCard when checking in to receive their shot.

More information about the 2015-16 Influenza Vaccine can be found at www.c.gatech.edu/cdc-flu-2015.

**TOWER, from page 1**

Way, will be “more inviting” and brought up to the standard of the public corridors on the other floors. The Registrar’s Office will return to the first floor. The second floor plan will better meet the needs of the College of Sciences, and the space will have finishes similar to the first floor. The College of Engineering’s third floor layout will largely remain the same. A significant portion of the fourth floor will house the building’s new air handling system, and the College of Engineering space there will be reworked around that.

The Administration Building, one of the original buildings when Georgia Tech was a unit of the University System of Georgia, is undergoing renovation.

**Renovation Timeline**

Week of Sept. 28: Occupants begin relocating
Week of Oct. 12: Construction fencing is installed
Week of Oct. 19: Construction begins

Tech opened its doors in October 1888, is part of the historic district known as “the Hill.” In preparation for the renovation, Stevens and Wilkinson, the architect-of-record for the renovation, conducted a thorough study of the building’s history.

According to Daniels, if architectural or historical features are uncovered during the renovation, the architects will attempt to incorporate them into the final design.

“The building is being renovated in a way that is historically respectful of the original circulation system, including the central staircase, which was torn down in the 1960s,” Daniels noted. She said the renovation is also being done with the future in mind.

The first floor space currently occupied by the Registrar’s Office service counter was once a public assembly hall — a historically significant space. The renovation planning allows that space to be restored lakes in a meaningful and appropriate way.”

**EVENTS continued on page 3**

**ARTS & CULTURE**

September 24

The Georgia Tech School of Music presents the first concert of the semester featuring the Jazz Ensemble and Symphonic Band, from 7:30 to 8:30 p.m. at the First Center for the Arts. gtband.net

September 25

DramaTech Theater performs Parallel Lives. Based on the popular off-Broadway show, The Kathy and Mo Show, Parallel Lives is a series of duets that take a progressive look at the games men and women play to get through everyday life. The show begins at 8 p.m. at DramaTech Theater. dramatech.org

**HEALTH & WELLNESS**

Through November 30

The Campus Recreation Center hosts weekly group run/walks following the campus Pi Mu Epsilon course. The group meets in the CRC lobby on Mondays at 7:45 a.m. and Wednesdays at 5:30 p.m. Learn more and register at c.gatech.edu/grouprunwalk

**TRAINING**

September 17

The Workforce Learning and Professional Development group hosts a session on the DISC personality model, which explains the four primary styles — Dominance, Influence, Steadiness and Conscientiousness — that individuals exhibit in their daily interactions. The class takes place from 8:30 a.m. to 5 p.m. in Room 149, Global Learning Center. Registration is $60. Register at trains.gatech.edu

September 17

The Center for the Enhancement of Teaching and Learning hosts “Teaching Your Small Class for All It’s Worth.” The interactive workshop will explore techniques for teaching classes of 50 students or fewer, from 11 a.m. to 1 p.m. in the Wilby Room, Library. Register at cetl.gatech.edu/faculty/reg

**FACULTY & STAFF ACHIEVEMENTS**

Reginald Des Roches, Karen and John Hull School Chair in the School of Civil and Environmental Engineering, will serve a three-year term on the National Science Foundation’s Advisory Committee for Engineering beginning in October.

Arijit Raychowdhury, associate professor in the School of Electrical and Computer Engineering, was selected for a Computer and Information Science and Engineering Research Initiation Initiative Award from the National Science Foundation.

John Wise, Dunn Family Assistant Professor in the School of Mathematics, received the inaugural Eric R. Immel Award for Excellence in Teaching in the College of Sciences.

Georgia Tech Professional Education won six awards from the University Professional and Continuing Education Association Silver winner in the Strategic Recruitment Marketing Plan category; Silver winner in the Streaming/On-Demand Content category; Silver winner in the Miscellaneous Interactive Media category; Silver winner in the Single Ad category; Silver winner in the General Catalog or Tabloid category; and Bronze winner in the Annual/Biennial Report/Magazine category.

**ARCHIVES**

Archives are posted at www.archives.gatech.edu.

Calendar submissions should be emailed to calendar@comm.gatech.edu at least 10 days prior to desired publication date.

For more information, call 404-894-7014.

Archives are posted at www.archives.gatech.edu.

Georgia Tech is a unit of the University System of Georgia.

Science and Technology

The Whistle

Author: Kristen Bailey

Photos: Rob Feil or Pritam Harind, unless noted

Published biweekly throughout the year by Georgia Tech Institute Communications

www.comm.gatech.edu

The Whistle is the student newspaper of Georgia Tech, a public research university in Atlanta, GA.
Six Goals Reached as Campaign End Draws Near

STACY BRAUKMAN
AND DAN TREADAWAY
INSTITUTE COMMUNICATIONS

As Campaign Georgia Tech approaches the final quarter of its 11-year run, six campus units surpassed their Campaign goals during the most recent quarter that ended June 30.

The following gifts and commitments are responsible for pushing these six units past their Campaign goals.

Scheller College of Business
• $175 million gift
• Finish line donors: Raena and Joseph Evans, a 1971 industrial management alumnus

The Evanses’ estate provision will establish endowments providing undergraduate scholarships and graduate fellowships in the Scheller College.

“Evans’s inspiration for this commitment comes from seeing what an impact the Dean’s Scholarship Program has had on the College,” said Evans. “The high level of talent being brought in because of this program has been energizing. We have truly become competitive for the very best students.”

College of Engineering
• $480 million gift
• Finish line donors: Mary and John Brock

See the Chemical and Biomolecular Engineering section for information on the Brocks gift.

School of Chemical and Biomolecular Engineering
• $45 million gift
• Finish line donors: Mary and John Brock, who holds bachelor’s (1970) and master’s (1971) degrees in chemical engineering

The Brocks’ commitment established the John F. Brock III School Chair in Chemical and Biomolecular Engineering, the final remaining chair in the College of Engineering to have an endowed school chair. In addition to the Chemical and Biomolecular Engineering goal, the Brocks’ commitment also pushed the College of Engineering past its overall $480 million goal.

“This is a special opportunity that means so much to me,” said Brock, who is serving as Campaign co-chair along with his wife, Mary. “To be able to make this commitment to the School that nurtured my love of engineering, equipped me with the tools I needed to succeed, and provided opportunities I never would have dreamed of — it truly is an honor.”

School of Electrical and Computer Engineering
• $165 million gift
• Finish line donor: Steve Chaddick, who holds bachelor’s (1974) and master’s (1982) degrees in electrical engineering

Chaddick’s estate provision will establish an endowment fund providing unrestricted support for the School, ensuring greater resources for future advancements on important initiatives that may otherwise be out of reach.

“It was gratifying to be able to help punch through that goal,” said Chaddick. “TFC made me who I am, in large measure. I wouldn’t have had the opportunities, the skills, and the knowledge to do the things I’ve done in my career had I not been in that place — as an undergraduate and a graduate student.”

Guggenheim School of Aerospace Engineering
• $25 million gift
• Finish line donors: Helen and Roger Krone, a 1978 aerospace engineering alumnus

The Krones’ estate provision will establish a faculty endowment fund that will help the school chair attract and retain the very best faculty in the field.

“The four years in Aerospace Engineering helped me to realize my dream,” said Krone. “It is our hope that this gift will help other students realize their dreams.”

School of Civil and Environmental Engineering
• $45 million gift
• Finish line donor: Howard Tellepsen Jr., a 1966 civil engineering alumnus

Tellepsen’s estate provision will establish a permanent endowment that will provide unrestricted support to the School of Civil and Environmental Engineering, allowing the chair to take advantage of emerging opportunities or to further long-term strategic priorities.

“My entire experience of Georgia Tech has been so positive,” said Tellepsen. “I am truly grateful for the chance to serve Georgia Tech and especially to help the School of Civil and Environmental Engineering to reach even greater success.”

AQUATICS, from page 1

a mentor, a generous person, and a Tech alumnus himself. He developed so many swimmers, many of whom I had the great fortune of meeting, competing with, and developing wonderful associations with while at Tech.”

McAuley did something else that Bergmark has never forgotten, by helping him secure an out-of-state scholarship.

“It was his focus on the ‘student’ part of ‘student-athlete’ that I will forever be grateful for, because that is what enabled me to graduate from Tech,” he said.

After graduating, Bergmark achieved success in the petroleum industry. He currently serves as the chief financial officer of Core Laboratories, after having risen through the ranks at Western Atlas International, a leading provider of oilfield services and reservoir information technologies.

He has served on the advisory board of the Georgia Tech Foundation.

Bergmark’s philanthropic investment guarantees that the McAuley Aquatic Center will remain vital to the Tech campus community, intercollegiate athletics, and the metro Atlanta area. As Bergmark put it, “One of the goals of the gift is to ensure that Georgia Tech will continue to attract the finest events to our world-class venue — this includes not just competitive events but aquatic activities and events for all students as well.”

He hopes, too, that his philanthropy will inspire others, particularly when it comes to Georgia Tech swimming.

“What the program needs to complement our coaching talent and quality aquatic facilities are additional endowed scholarships,” he said.

(Above) The Campus Recreation Center hosted the ACC Swimming and Diving Championships in 2015, and will host the NCAA Championships in 2016. (Below) 20 years ago, in July 1995, the aquatics venue — which would later be enclosed as part of the Campus Recreation Center — was being built on West Campus to host swimming and diving events for the 1996 Atlanta Olympic Games.

EVENTS

September 24
The Center for the Enhancement of Teaching and Learning hosts a weekly Teaching and Learning journal club on Thursdays from 11 a.m. to noon in Room 406A, Clough Commons. Learn more at c.gatech.edu/ctljournal

SEMINARS & LECTURES

September 24
Emory University’s Tracy Yandell, will discuss “The Challenge of Building Sustainable Food Systems: Cases from Georgia and the U.S.” Virgin Islands” from 3 to 4 p.m. in the First Room, 7th Floor, Library. spp.gatech.edu

September 16
The Georgia Tech Farmers Market returns to campus for the fall semester, Wednesdays from 11 a.m. to 2 p.m. on Tech Walk. facebook.com/gtfarmersmarket

MISCELLANEOUS

September 16
The Georgia Tech Faculty Women’s Club hosts an open house from 11 a.m. to 1 p.m. in the President’s Suite, Bill Moore Student Success Center. First Lady Valerie H. Peterson and the group’s executive board invite faculty wives and women faculty to learn about the club’s internal groups, programs, and service projects. gtfwc.gatech.edu

September 21-25
The Office of Postdoctoral Services hosts social, professional, and training events in honor of National Postdoc Appreciation Week. View a full list of events at c.gatech.edu/postdocs

September 24
As part of National Recovery Month, students, staff, and faculty are invited to wear purple to spread awareness about substance abuse disorders, reduce stigma, and celebrate people in recovery. Free purple bracelets and ribbons can be picked up Sept. 21-24 at the Counseling Center and Health Promotion. All are invited to meet at noon at the Campanile for a group photo.

September 25
The LGBTQIA Resource Center hosts an Interfaith Lunch and Learn from noon to 1 p.m. at the Wesley Foundation. Faculty, alumini, and students will share their stories of coming out and finding community as an LGBTQIA person of faith. RSVP to attend at c.gatech.edu/lgbtqia-events

For a more comprehensive listing of events, or to add your own, visit calendar.gatech.edu.
ME Professor Uses Machines, Technology to Engage Students

Professor Bill Singhose teaches Mechanical Engineering 2110, Georgia Tech's introductory mechanical engineering class that enrolls 300 students per term. His students, who know little about engineering when they enter the class, follow a basic engineering curriculum, which culminates in the construction of a simple robot that competes in an end-of-term competition attended by hundreds, including industrial sponsors.

“We give each student team [of three to four students] $1,000 worth of material to build a robot for the competition,” said the Woodruff School of Mechanical Engineering professor who has taught design for 17 years. “Before the competition, the projects are evaluated by the competition sponsors during a science fair, and the sponsors get to ask questions. The sponsors can then easily identify the best students they want to hire for their company. Essentially, it’s like a specialized career fair where students bring a machine they just built.”

Singhose is at home interacting with the sponsors, spearheading the competition, and most of all, teaching the students. But, he did not reach this comfort level overnight.

“I think I started learning how to teach well when I was a postdoc at MIT,” he said. “I taught the capstone design course in conjunction with other faculty. I got to help students build a machine, and they had to exhibit the machine and explain how it worked to a panel of judges. The whole experience was very rewarding. I can’t say I was a great teacher at that point, but I realized it was a very fun thing to do.”

After a year at MIT, Singhose came to Georgia Tech and began teaching similar classes, helping students create machines.

“I’m not one of those teachers who does a lot of theory and proofs,” he said. “I think that because I don’t teach those classes I have a lot more fun with my students because we get to build something. Almost all of my courses involve building or using real machines,” said Singhose, who also teaches a graduate-level controls course and a rehabilitation engineering course.

At Tech, he has received accolades for teaching, including the CETL/RF Junior Faculty Teaching Excellence Award and the Woodruff School of Mechanical Engineering’s Zeigler Outstanding Educator Award.

Classroom Strategies

“My approach is to try to relate to the students and explain a topic in terms of something they will understand at an intuitive level,” Singhose said. “Fifteen or 20 years ago, we probably could have used automobiles a lot as examples, but students don’t work on their cars any more. So, we have to think of new things. I try to bring in topics that are current. A lot of the examples I use now have to do with cellphones since everyone has one.”

Singhose said he also cites examples from his own experiences working at different companies. This past summer, he spent two weeks in Alaska working as a commercial fisherman, where he worked 20-hour shifts and caught 275,000 pounds of salmon during a particularly prolific eight-day span.

“I use a lot of cranes as examples in my teaching,” he said. “The fishing boat has a crane that lifts up the fish. I learned how to operate that crane and how to pick up the fish and spill them into the boat. I learned a lot about fluid dynamics and how to maneuver the net to keep it from tangling. In my introductory class, I have a lecture on safety. I imagine I will show some videos on what can go wrong [when fishing commercially] and how dangerous the real world is.”

Really Reaching the Students

Because of Singhose’s approach of using his personal experiences to reach his students, he introduces new design challenges to them every year that are inspired by his latest adventures and current events. But is he, in fact, getting through to them?

“When I’m teaching 300 students, it’s difficult for me to know if they’re getting it,” Singhose said. “In the smaller classes, I make a lot of eye contact, and I will prompt them with questions. Mine is one of those annoying classes where you sometimes have to speak up and ask or answer a question.”

The 300 students in ME 2110 are divided into subgroups of 20 that meet in the design studio to run tests and develop their robots. At that level, Singhose can have more interaction with the students and see if they understand the material.

“Over the years, you develop certain techniques, stories, and examples where you know how they will be interested,” he said. “As long as they can stay awake, at least you have that much of their attention.”

Singhose has had only a couple of instances where he realized he didn’t get through to the students during his lecture.

In one case — after most of the class failed the same question on a quiz — he reviewed the exam during the next lecture. The third question was the one most of the students did not understand correctly. To bring some humor to the scene, when reviewing that particular question with the class, Singhose converted it into Japanese and said: “For some reason, you did not understand this question, and I don’t know why.”

Advice for New Faculty

Singhose does not have one “magic piece of advice” that suits all new faculty. His advice changes depending on the faculty and the class.

“If a young faculty member is teaching a class that is already pretty successful — based on what other faculty have done in the past — my advice is don’t change much,” he said. “If you try to change everything and make it the world’s greatest class, you’re going to make too much work for yourself. You’re probably going to make some mistakes, and you’re going to annoy the other faculty who taught the class before you because they developed things that work. And, now you’re spitting in their face by changing everything. Learn from others and appreciate what they’ve done, then slowly make it your own class.”

And the personal experience approach is another key piece of advice that can work particularly well for young faculty members, says Singhose. He points out that young faculty at Tech are around 30 years old, with 10 or more years of world experience that they should use to make the material reliable.

“A lot of people are afraid to use their own experience, thinking it’s not professional enough, or it’s not in the book. Don’t worry about that. If it had working in it.”

“…In the Classroom” is a series showcasing some of Georgia Tech’s award-winning teachers, delving into what they teach, how they do it, and what motivates them.

In the Classroom with Bill Singhose

Bill Singhose talks with a student during his Advanced Control Systems Design and Implementation course.

CLASSIFIEDS

AUTOMOBILES

GT Yellow 1976 Corvette Stingray. Just in time for football season! T-tops! T-tops! low miles (22,890), always garaged, original except for custom wheels, excellent condition $14,999 negotiable. Contact Dan, 404-395-4645, daniel.schrage@gatech.edu

2002 Honda CRV: white, 127,750 miles. Sureroof. Good condition. $5,700. Contact rclark@gatech.edu, 404-328-9707.

Silver 2010 Nissan Altima S with very low miles. CD, cruise control, aux input, side airbags, ABS brakes. No accidents. All regular maintenance. $12,500. Similar mileage at Carmax listed at $14 -- $15K. Clairene Noyes, cnoyes@gatech.edu.

REAL ESTATE ROOMMATES

Charming 3BR/2BA house for sale in Marietta. Quiet neighborhood, huge fenced back yard. Large master suite with vaulted ceilings. See listing for details and contact.

For Rent: Lovely garden apartment in Ansley Park. 2BR/1BA (1,050 sq., ft.) with parking, 2 mi. from Tech near bus/train lines. Across from Piedmont Park and the Botanical Garden. Available Oct. 1, 2018. Contact 513thepad@gmail.com.


MISCELLANEOUS

Adopt a Tech kitten or cat! Reduced adoption fees for Tech employees, family, and friends. Up-to-date vet visits and spaying/neutering if appropriate for age. All are tame. More info at www.krazyabouthairballs.com.

Full-size mattress and box spring, 6 years old with 3 years of daily use. Frame and custom handmade headboard. Stained glass windows, sliding doors. $300 OBO. Email calls.talman@gmail.com for pictures/interest.

Items for sale: wooden entertainment center, about 4.5’ tall x 55” wide. Left side has shelves, glass door. Center holds TV, bottom shelf has shelf with two doors. Right side rolling table with DVD/VHS storage space. $40. Two wooden bookcases, each 6’ tall with six shelves. $25 each. Contact Ruby, 404-388-3946.

New Swarovski bee pins. Several available, $32 each. Jet and sunflower crystals, yellow front and back, rhodium plating. Contact Leslie for pictures at lwhiteradug@bellsouth.net.

Current wearable activity tracker (e.g., Fitbit One, Jawbone Up 24) users needed for a questionnaire and interview-based study. Participants will be compensated $20 for two hour participation. Contact kimbelyrupes@eagle.gatech.edu.

Ads run for at least three issues in the order in which they are received. Submit your 35-word-or-less ad to editor@comm.gatech.edu.
It’s been five years since Georgia Tech set out to begin “designing the future” with its 25-Year Strategic Plan. In some ways, not a lot has changed. Georgia Tech is still one of the best institutions of higher learning in the country and world, and is still dedicated to improving the human condition through advanced science and technology. The Ramblin’ Wreck is still running, and George P. Burdell is still here.

And in other ways, it’s a different place than it was five years ago. Tech is trailblazing in the way it educates students, partners with government and industry, serves its employees, and connects with its local and global communities. Physically, numerous new facilities now exist to serve an increasingly interdisciplinary approach in all areas of academics and research. Demographically, it’s more diverse than ever, with this year’s freshman class having more women and more African-Americans than ever before, and it’s a place where the President of the United States wants to come to cite what is being done right in higher education today.

As we move forward, with 20 percent of the plan’s timeline now passed, it is encouraging to look back at the progress made and how Georgia Tech is strategically changing the world.
Creating the Next Musical Instruments (and Musicians)
Tech's Shimi and Shimon robots took center stage on The TODAY Show in May 2015, showcasing Georgia Tech's cutting-edge program in music technology.

Surviving Cyberspace
As cybersecurity becomes increasingly important, faculty and researchers in the new Institute for Information Security and Privacy are focused on finding new ways to keep our data and privacy safe.

Tech Launches Manufacturing Institute
In 2012, Tech created a new Interdisciplinary Research Institute to promote a technologically advanced and globally competitive manufacturing base in the U.S.

Campaign Georgia Tech Surpasses $1.5B
Gifts from Tech alumni and friends, corporate partners, foundations, and others have funded endowed faculty chairs and professorships, student scholarships, new facilities, and research centers.

Tech, Emory Collaborate on Law Master’s Degree
A new program began in 2014 that lets students earn both a bachelor’s degree from Georgia Tech and a juris master’s degree from Emory University in as little as five years.

Investing in Infrastructure
The Clough Undergraduate Learning Commons (opened in 2011) and Engineered Biosystems Building (opened in June 2015) are two new facilities that demonstrate a collaborative approach to academics, research, and campus life.

Honoring and Learning from Tech’s Best Teachers
Tech continues to find new ways to cultivate, recognize, and reward great teaching. A new commemorative wall in the Clough Undergraduate Learning Commons is one testament to that goal.

GOAL ONE
Be among the most highly respected technology-focused learning institutions in the world.

GOAL TWO
Sustain and enhance excellence in scholarship and research.

GOAL THREE
Ensure that innovation, entrepreneurship, and public service are fundamental characteristics of our graduates.

GOAL FOUR
Expand our global footprint and influence to ensure that we are graduating good global citizens.

GOAL FIVE
Relentlessly pursue institutional effectiveness.

GOAL 1
Rocking in Rankings
U.S. News & World Report ranked Tech as the No. 7 public university for 2016. Tech also earned the No. 13 spot in the Most Innovative Schools category and the No. 30 spot in Best Colleges for Veterans.

Innovation Ecosystem Blossoms in Tech Square
AT&T, The Home Depot, Southern Company, Panasonic, ThyssenKrupp Elevator, and NCR all now have innovation centers in Tech’s neighborhood.

Freshmen Make Impact in the Face of Grand Challenges
In 2012, the Grand Challenges Living Learning Community began giving first-year students a chance to tackle global issues related to food, water, energy, and health.

Class of 2015 Sets Records for Academics, Diversity
This year’s freshman class represents 64 countries, 48 states, 86 Georgia counties, and more than 1,400 high schools. It also has the highest academic profile to date.

Tech and the K-12 Mission
Tech takes a keen interest in training future scientists and engineers through initiatives such as Project ENGAGES, a high school education program that began in 2013.

Professors Pilot New Teaching Models
Tech faculty and students are at the forefront of new teaching and learning models, such as flipped classes, and the pioneers are sharing tips with others as they blaze the trail.

Tech Launches World’s First Massive Online Degree Program
In 2014, we revolutionized online learning through a partnership with AT&T introducing an Online Master of Science in Computer Science degree that costs about $6,600.

Student Experience Survey Shows Gains
Data from the 2015 Student Experience Survey shows that more students are highly likely to recommend Tech to others, find it very friendly, and have a high-quality experience.

GOAL 2
Creating the Next Musical Instruments (and Musicians)
Tech’s Shimi and Shimon robots took center stage on The TODAY Show in May 2015, showcasing Georgia Tech’s cutting-edge program in music technology.

Tech Launches Manufacturing Institute
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Surviving Cyberspace
As cybersecurity becomes increasingly important, faculty and researchers in the new Institute for Information Security and Privacy are focused on finding new ways to keep our data and privacy safe.

Tech Selected as National University Transportation Center
Being named as the lead for one of 10 centers by the U.S. Department of Transportation in 2012 let Tech take a step forward in developing solutions to transportation challenges in Georgia and the region.

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Tech Launches Program in Shenzhen
As of 2014, students from all over the world can study electrical and computer engineering with Tech faculty, gain experience studying and living in China, and interact with multinational companies.

Outdoor Recreation Reaches Mount Everest
One group of students took an expedition in 2014 through Nepal to Mount Everest, encountering a wide variety of Nepalese culture along the way.

Social Courage Prize Honors African Lawyer
The 2014 Ivan Allen Prize honored Beatrice Mtetwa, an African lawyer who has devoted herself to human rights, social justice, and gender equality for more than 20 years.

Students Host International Football Clinic
In 2013, the Student Government Association began an annual event with Georgia Tech Athletics in which Tech’s own student-athletes teach international students to play American football.

Scheller Hosts Global Social Venture Competition
This event brings together university teams from around the country to compete for prizes for their business ideas that will make a positive real-world impact. Four Tech teams made it to the semifinals this year.

Civil Engineers Spend Spring Break among Alpacas
Each year, a group of undergraduate civil engineering students travels abroad to apply their research and help communities. The 2015 group tackled air and water quality in Bolivia.

Tech Leaders Participate in Summit of the Americas
In April 2015, Tech helped organize the first Forum of University Presidents, which convened around 400 university leaders and high-ranking officials from 35 countries, including U.S. Secretary of State John Kerry.

Soldiers Add OMSCS Stripes
The groundbreaking Online Master of Science is breaking down education barriers to let students from around the world earn a Tech degree, even while on active duty.
Crunching the Numbers on Tech’s ROI
By almost any measure, Georgia Tech tops the list when it comes to return on investment. In recent years, more external rankings and studies have been noticing.

Co-Op Lets Students Work, Pay Their Way Through
Tech’s co-op program is not new, but its usage and benefits continue to grow. In 2014, annual co-op earnings totaled $10.4 million.

Tech, Emory Launch Joint Library Service Center
The two Atlanta universities are saving themselves space and resources by combining forces for a new facility on Emory’s campus. The joint effort was announced in 2014.

Tech Initiates Atlanta Scholarship Partnership
In 2014, Georgia Tech announced that all valedictorians and salutatorians from Atlanta Public Schools would receive automatic acceptance and full scholarships.

Industrial Engineers Optimize Police Operations
Beginning in 2014, undergraduate researchers teamed up with the Georgia Tech Police Department to help them better use data to serve the campus more efficiently.

Sheep Help Manage Campus Kudzu
In 2014, Tech turned to four-legged friends as a sustainable, efficient method of managing landscaping in parts of campus.

Ethics Focus of Yearlong Campaign
Tech spent the 2014-15 year with a renewed emphasis on stopping unethical behavior that could prevent the Institute from achieving its goals because of depleted resources.

THE FUTURE

When we brought the Georgia Tech community together in 2009 to develop the Strategic Plan, we chose a 25-year timeframe to encourage innovative, long-term thinking. Today, we are making noteworthy progress toward each of the plan’s five principal goals through intentional and proactive steps. I applaud our faculty, staff, and students who have worked together to bring the plan to life.

As we move forward, we will continue to focus on student innovation and maximizing student leadership opportunities, and take advantage of technological advances to reach learners throughout the world. Our vision of creating a work–learn–play environment in Tech Square is becoming a reality. Georgia Tech is having a significant impact in the state’s entrepreneurial ecosystem, and we are committed to building on what we are already doing to help take it to the next level.

In 2010, we invited Joe Bankoff, then president and CEO of the Woodruff Arts Center and now chair of the Sam Nunn School of International Affairs, to speak about the new Strategic Plan. He gave the unique perspective of looking back from 2035. His closing comments included the following: “Looking back now — it all seems clear and obvious. But it was much less so back in 2010. It took vision, courage, commitment, and collaboration to move Georgia Tech to the position it occupies today. Now in 2035, the physical university sits in the center of the innovation enterprises that it spawned in research, education, policy as well as technology. The university is also a critical asset in the global creative network. Georgia Tech continues to support an eminent and energized faculty, an amazing body of important research, and innovation fueled by an extraordinary body of students . . .”

With the help and support of our entire community, we are designing the future in ways we only imagined five years ago, and the impact is far reaching.

— President G.P. “Bud” Peterson