Georgia Chapter of APPA

Leadership in Educational Facilities

GAPPA News

July 2016

"Leadership in Georgia Educational Facilities"

Jekyll Island 2016! **The convention center successfully hosted GAPPA 2016 Conference. The weather was so great. Each member enjoyed attending the conference .**

We had 100 booths, 36 sponsors, and plenty of attendees. There were 118 golf participants, and 38 golf sponsors. We had 24 guests visiting GAPPA from other regions. 32 stipends were awarded to assist with the cost of attending the conference. The motivational Dr. Fred Broder entertained the crowd at the Tuesday banquet.

For a sample of photos from the convention,

please check GAPPA web site. Select Annual meeting: www.gappa.org

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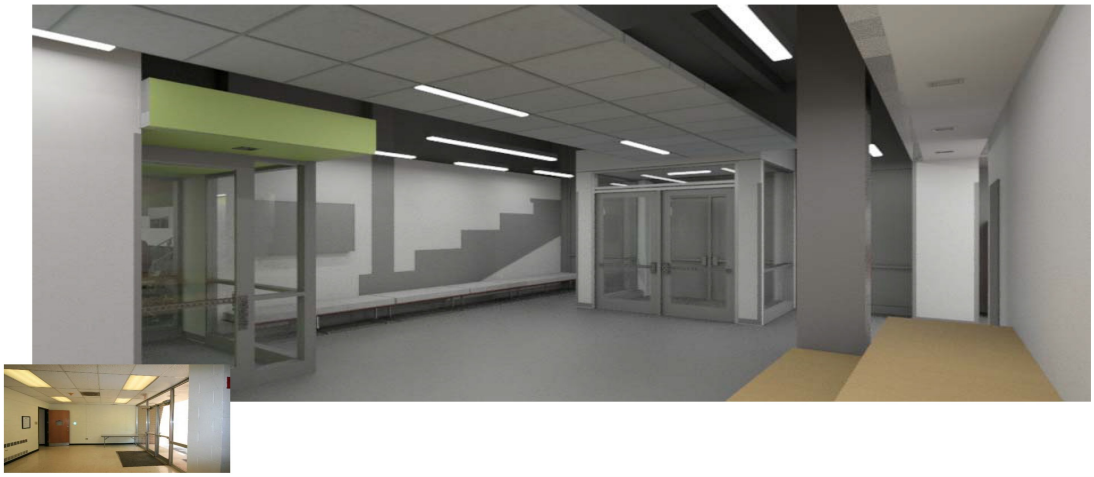
Georgia Tech Meeting New Learning Demands with Renovation of Boggs Chemistry Building

Georgia Institute of Technology's Gilbert Hillhouse Boggs (Chemistry) Building has undergone several phases of renovation construction in recent years. The latest renovation began in early May and will provide students and faculty with better learning environments by updating the instructional auditorium spaces. The design goal is to support current and future learning approaches and pedagogies by providing more flexible learning space. Renovation of the lobby area will also provide non-classroom learning space and meeting space for student groups, as well as encourage student-faculty engagement outside of class. This is the first of three projects to renovate instructional space across campus.

This project is now under intense construction and is planned for completion by Aug. 15, in time for the start of fall semester. To meet the strict opening deadline, project contractors are working 12-hour days, six days a week.

Jessica Rose, Communications Officer,
Facilities Management, Georgia Institute of Technology.



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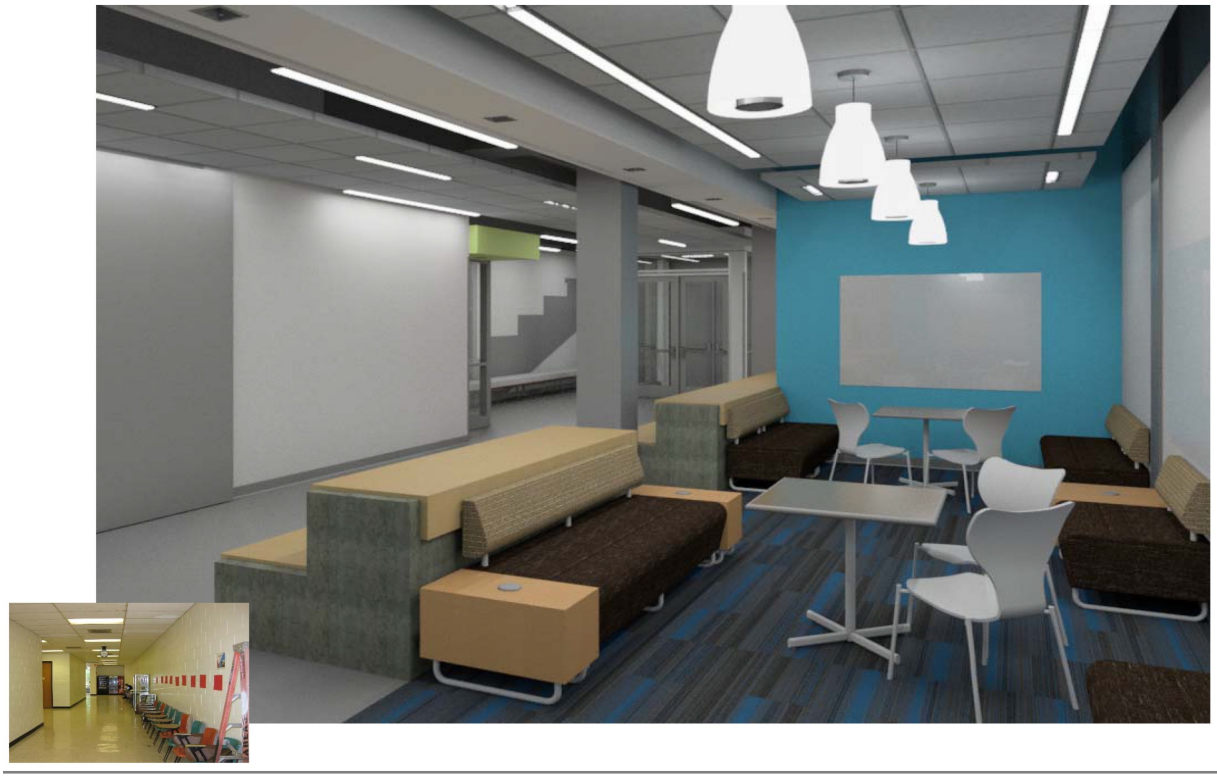
Georgia Tech Meeting New Learning Demands with Renovation of Boggs Chemistry Building



7 Boggs Auditorium & Lobby Improvements
Make3 Prj No. 201511
03/21/2016

Georgia Tech Make3

16 Boggs Auditorium & Lobby Improvements
Make3 Prj No. 201511
03/21/2016

Georgia Tech Make3

Newsletter Committee Chair and Editor:

Casey Charepoo

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The "NEW" Deal

3.35 million. Keep that number on hand, in case anybody suggests that the aims of sustainability are incompatible with economic growth. It's the number of U.S. jobs—according to the U.S. Green Building Council's (USGBC) 2015 Green Building Economic Impact Study conducted by Booz Allen Hamilton—that will owe their existence to green building by 2018 (up from just under 200,000 jobs created directly or indirectly by green building in 2005).

If that number slips your mind, mention 15.1 percent. That is the annual projected growth rate for green construction between 2015 and 2018—a number that outpaces the projected growth for general construction, just as green building growth has outpaced conventional construction growth over the past several years. Leadership in Energy and Environmental Design (LEED) residential growth is forecasted even higher, at 31.1 percent annually, due in part to low historical market penetration. Organizations across a number of sectors have steadily come to the conclusion that green practices are good for their bottom lines—lowering energy and water bills, improving employee health and productivity, and building up a reservoir of goodwill among customers and other stakeholders who value sustainability. The Green Building Economic Impact Study shows that sustainable practices are not just good for individual businesses, but for the economy as a whole.

> The green economy is creating millions of new jobs and contributing hundreds of billions of dollars to the U.S. economy.

Art Frazier, a licensed architect, oversaw construction of Spelman's first new building in the 21st century, the Beverly Daniel Tatum Suites, a 303-bed residence hall that opened in 2008 and was certified LEED Silver in 2010. In that same year, the school adopted a policy that all new buildings and substantial renovations must be built to at least LEED Silver specifications. A number of colleges and universities across the country have implemented similar policies increasing the need for staff that are either solely focused on, or at least significantly experienced with, sustainable development. Frazier has been at Spelman, a historically black wom-

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The "NEW" Deal

en's college in Atlanta, since the fall of 2007. In addition to his other duties as facilities management director, Frazier manages green construction on campus, handles the school's environmental reporting, and serves as co-chair of Sustainable Spelman, the college's sustainability initiative aimed at engaging the community in authentic conversations to increase awareness, knowledge, and action on campus. Frazier says, "A few years ago, the president and chief financial officer took a walk, and at the end of that walk they decided to add responsibility for all noncurricular sustainability initiatives to my job description." He added, "We try to incorporate sustainability into people's jobs, for example, our custodians, are doing green cleaning, using nontoxic chemicals, and making sure we maximize recycling. We don't just have this one person who [is responsible for sustainability.] It becomes everyone's responsibility."

Frazier has also noticed a shift in the mindset of commercial developers, as those builders have moved on from short-term thinking to begin considering the total cost of ownership of the buildings they develop. Working at a college, Frazier has a front-row seat to the ways in which the new green economy has changed career prospects for young people. "It is very helpful for our students to see people like them in this field doing these things," Frazier says. Last year, students invited three Spelman alumnae working in sustainability-focused careers to come to campus and speak over three nights. "To hear them and see that, to see someone like themselves," Frazier says, "they felt a little closer to it."

Courtesy: Calvin Hennick, http://plus.usgbc.org/the-new-deal/

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PP-R piping solves multiple problems on growing College campus

PROJECT:

Southern Adventist University, Hot & Cold Domestic Water/ Hydronic Heating Applications/ Chilled Water

PRODUCTS:

Aquatherm green pipe®
Aquatherm blue pipe®

LOCATION/DATE:

Collegedale TN, 2011 - Ongoing AQUATHERM

ADVANTAGES:

- *PP-R's lighter weight compared to steel, rust resistance, and flame-free connections were huge benefits*
- *The design team liked that hard water doesn't affect the piping, making it ideal for almost any application.*

Southern Adventist University, a coeducational institution established by the Seventh-day Adventist Church in Collegedale, TN, has been renovating campus buildings and specifically retrofitting piping projects since 2011. The university's constant growth meant various school facilities needed to be renovated and expanded and a new structure had to be built.

As part of the many improvements, several of the buildings' piping systems required upgrades. When the administration began to focus on the modernizations, Dave Allemand, the university's Associate Director of Plant Services—Building Systems Management, knew he would need to specify piping that could work for many types of projects. He tasked his lead plumber, Tim Mitchell, with researching piping options.

Mitchell learned through his research that PP-R piping won't corrode, scale, wear out or clog—even after years of use; hard water doesn't affect the piping, making it ideal for almost any application. Additionally, Aquatherm piping systems are completely free of heavy metals and toxic chemicals; they also are hydrophobic, which means they will not leach chemicals into the water. Another issue eliminated by PP-R is electrolysis, which often occurs with metal piping systems.

ONE PIPING TO FIX THEM ALL

And Mitchell had many projects to consider some of them being:

- Talge Hall, originally built in 1961 as a women's dor-

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PP-R piping solves multiple problems on growing College campus

mitory and now a men's residence hall with 383 rooms, needed a new domestic hot-water piping system as well as bathroom renovations on three floors. Mitchell and outside contractor Webb Plumbing, Heating and Electrical Corp. from Athens, TN, installed a 1.4-MMBtu Lochinvar® Copper Fin II® boiler and used 130 ft of 2½-in. Aquatherm SDR 7.4 Green Pipe® (the

-

- green pipe with the green stripe that denotes its ability to handle higher temperatures) to connect three 200-gal storage tanks. The boiler circulates 135˚F water to the first tank; the water then is routed to the other two tanks, diluted to 125˚ and sent to various distribution points. About 120 ft of 2½-in., 180 ft of 2-in., 260 ft of 1-in., 200 ft of ¾-in. and 100 ft of ½-in. Green Pipe was used for the bathroom improvements.

Engineered specifically for hot-water use, Aquatherm's Green Pipe® with multilayer faser (MF) improves impact resistance and reduces linear expansion and contraction by about 75% compared with other plastics.

- Thatcher Hall, originally constructed in 1968 and currently a women's residence hall with 257 rooms, also required a new domestic-hot-water piping system. Mitchell and outside contractor David Smith Plumbing from Ooltewah, TN, constructed a similar setup and again installed a 1.4-MMBtu Lochinvar Copper Fin II boiler using about 156 ft of 2½-in. Green Pipe with MF to service three 200-gal storage tanks.

BUILDING FOR FUTURE

After seeing the many successes the university has had with Aquatherm over the years, Allemand has asked that the piping be specified in a new two-floor plan. Groundbreaking is expected to commence in summer 2015. He believes Aquatherm Iis one of the best choices for wide range piping jobs.

Courtesy: Southern Adventist university

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Armstrong dedicates New Liberty center in Hinesville

Hinesville, Georgia – Last Thursday Armstrong State University and the City of Hinesville hosted a ribbon cutting for the new Armstrong Liberty Center at 175 West Memorial Drive. Hussey Gay Bell is the Architect and Engineer of Record for the 21,000-square-foot facility, which will open to students in January. It is more than double the size of the previous Liberty Center.

The new building includes classrooms, state-of-the-art science laboratories, faculty and staff offices, common areas, student services and support areas for Liberty County's growing student population. The facility offers special services for military affiliates and dual-enrollment options for local high school students.

Dignitaries and key individuals included: Armstrong State University President Linda M. Bleicken, University System of Georgia Chancellor Hank M. Huckaby, John Lavender of Lavender and Associates, Hinesville Mayor James Thomas, Rep. Al Williams, Armstrong Liberty Center student Naiyill Morales, University System of Georgia Regent Don Waters, Sen. Jack Hill, Armstrong Liberty Center interim director Dot Kempson, Liberty County Board of Commissioners Chairman Don Lovett, 9th Engineer Battalion Commander Lt. Col. Michael Biankowski and Eric Johnson of Hussey Gay Bell.

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Spelman Recognized for Campus Facilities Sustainability Progress

July 14, 2016, Alexandria, Va. – APPA is pleased to announce that Spelman College has been honored with APPA's 2016 Sustainability Award.

"The Sustainability Award criteria measure the current level and effort of a facilities management department to integrate sustainable policies and "green" practices throughout all facets of the organization, ultimately embedding them within the educational institution," said Paul Wuebold, APPA's Vice President, Professional Affairs, and the chair of the Awards and Recognition Committee. "Spelman College is incorporating sustainable practices into all aspects of its Facilities Operations Plans. The Facilities Director serves as Co-Chair of Sustainable Spelman, which has campus-wide responsibility for all non-curricular sustainability initiatives to create and support a 'green' campus. Spelman College is a signatory to the American College and University Presidents' Climate Commitment." The award was introduced in 2012 to reflect APPA's 2008 Sustainability Statement, which encourages the creation and maintenance of a sustainable campus environment. APPA has developed the criteria based on specific standards and processes applicable to management in educational facilities, including educational curriculum and research; leadership and administration; maintenance and operations; energy and utilities; planning and construction; sustainability indicators; and sustainability innovations. The categories were developed in collaboration with and support from the research and development work provided by the Association for the Advancement of Sustainability in Higher Education (AASHE). Their Sustainability Tracking, Assessment and Rating System (STARS) offers standards by which educational institutions may measure themselves for recognition of their campus environmental and sustainability achievements.

Other recipients of the 2016 Sustainability Award include: University of Michigan, University of Virginia, Colorado State Univeristy, Elon University, George Washington University, Ohio University, and Portland Community College. Award recipients were recognized July 12 during the 2016 APPA Annual Conference in Nashville.

APPA, previously known as the Association of Physical Plant Administrators, promotes leadership in educational facilities for professionals seeking to build their careers, transform their institutions, and elevate the value and recognition of facilities in education. APPA is the association of choice for more than 12,000 educational facilities professionals from 1,300 educational institutions in North America. ***www.appa.org***

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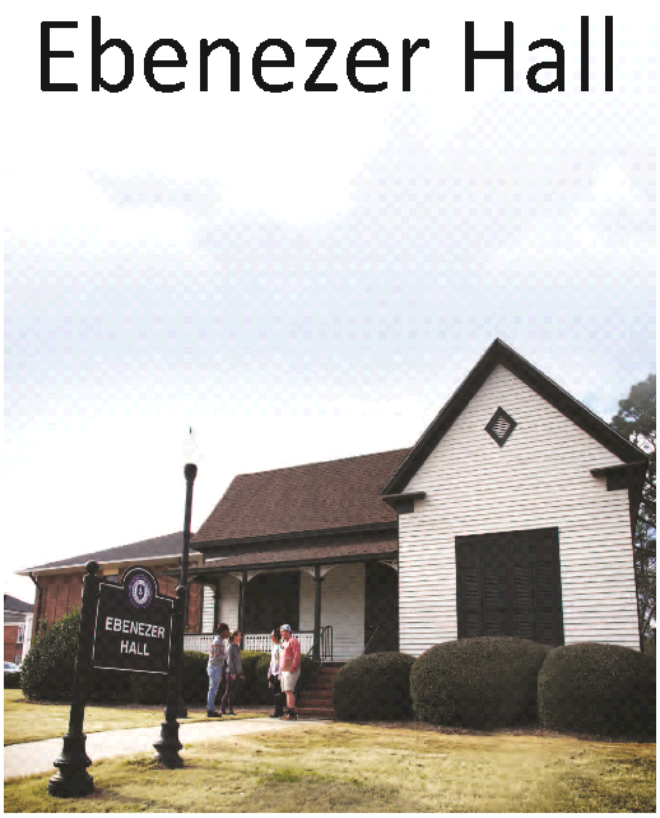
Digging Into One of Middle Georgia State's Historical Treasures

If anyone had any doubt as to the truth of the old saying, "It's a small world," Cochran resident and Middle Georgia State University alumnus Barney Hendricks could lay that doubt to rest. When World War II began, Hendricks – 18 years old at the time – left what was then known as Middle Georgia College and volunteered for service in the Army Air Corps. He was sent to Miami, Fla., for his basic training and assigned a roommate. When next he spoke with his mother, he mentioned his new roomie's name and got a startled "You don't mean it!" in response. Turns out that in the 1920s, the mother of Hendricks' new roommate had once shared a room with Hendricks' own mother – in Ebenezer Hall. Dig into the history of Ebenezer Hall, currently undergoing a $250,000 renovation into office and meeting spaces for the Middle Georgia State University Foundation, and one uncovers a precis of the history of central Georgia. Originally constructed in 1890, the house is the sole surviving structure of New Ebenezer College, the Baptist institution that would eventually become Middle Georgia State's Cochran Campus. In its 126 years, Ebenezer Hall has served as everything from a president's residence to an overflow dorm, from guest house to dining hall. When Margaret Cook shared a room in Ebenezer with the mother of her future son's future roommate, the building was serving as teachers' quarters for the 12th District Agricultural and Mechanical School, and Cook was serving as the school's first home economics teacher. When she married, two years after taking the position, her tenure at theA&M and her residency at Ebenezer Hall both came to an end – married women (with the exception of the president's wife) were not permitted to teach at the school in those days.



Starting in June, the hall will host its newest tenants, the Middle Georgia State Foundation. In addition to office spaces for the Foundation and Alumni Affairs, the hall will host small gath-

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Digging Into One of Middle Georgia State's Historical Treasures

erings and will house a small display of artifacts relating to the University's history. Seeking a permanent home for its Cochran offices, and to make way for an increased Admissions presence in the Welcome Center on 3rd Street, the Foundation in early 2015 identified Ebenezer Hall as a particularly appropriate new home. "Ebenezer Hall dates back to the original founding of the University. Through its long history as part of New Ebenezer College, 12th District A&M, Middle Georgia College and Middle Georgia State University, Ebenezer Hall has accumulated some artifacts from other historic central Georgia locations. Walk through its front door and you'll see heart pine wainscoting salvaged from the Phillips-Frazier House in nearby Hawkinsville and cast-iron fireplaces recovered from the Cochran Hotel and from Wesleyan College's former conservatory building in Macon.

According to David Sims, assistant vice president for Facilities, in furnishing the office and meeting space, the University is "…committed to preservation of the period." Furnishings and fittings will stay as near as possible to the styles that would have been present in the building when it opened in 1890. All of these changes are good, he says. He looks around the room, and smiles. "It's a good old building, we need to hold on to the historical things."

Courtesy: Spring 2016 edition Middle Georgia State Today magazine

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Living Building Challenge: The Journey Begins

Since last fall, when the notion of developing a Living Building on Georgia Tech's campus became a reality, there has been a flurry of planning activities that have involved a variety of stakeholders on campus and beyond to help ensure the success of this transformative project.

"This is unlike any other project we have embarked upon here at Tech," said Steve Swant, executive vice president for Administration and Finance. "It is more than an opportunity to create a one-of-a kind net positive facility in the Southeast. It is also an opportunity to learn how to leverage and integrate all of our resources — people and technologies — and use Tech's campus as a living-learning laboratory to educate others. But with these unique opportunities, come challenges."

The Inherent Challenges of a Living Building

Advancing Tech's master campus plan, the Living Building at Georgia Tech will demonstrate the most advanced measures of sustainability possible in the current built environment. Meeting that challenge requires close adherence to some of the world's most stringent building performance standards. This includes meeting obvious requirements like managing water and energy but also the not-so-obvious specifications like supporting health, happiness, equity, and

"This is unlike any other project we have embarked upon here at Tech"

beauty. To achieve full certification, a Living Building must meet all the program requirements established by the International Living Future Institute (www.living-future.org) over a full 12-month period of continued operations and full occupancy.

"This project requires us to rethink how we approach the process of planning, designing, building, and even occupying this facility," stated Scott Jones, director for Design and Construction in Facilities Management. "To meet this criteria, you have to define the end product before you even break ground. This requires a considerable amount of investment in time and resources upfront but creates efficiencies in the long run."

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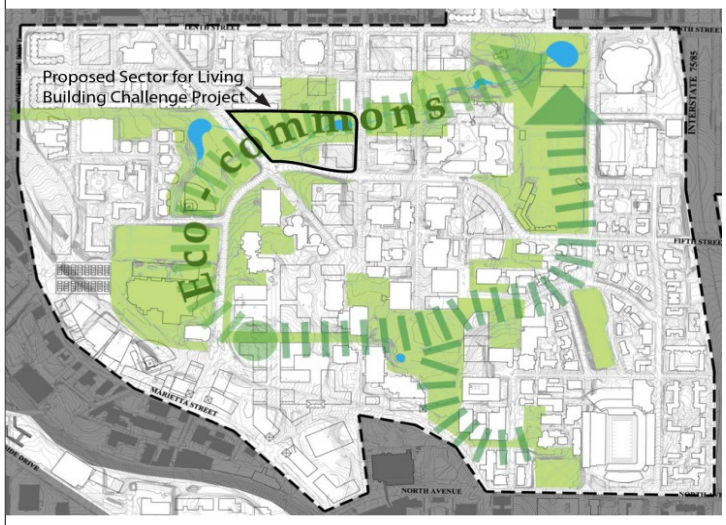
Living Building Challenge: The Journey Begins

But adherence to building standards is just a part of the challenge. Fundamentally, Living Buildings serve as a catalyst to help reshape how we think about our built environment and its interaction with our immediate surroundings through innovations and adaptations in technology, education, policy, and cultural beliefs. To this end, one of the primary objectives is to ensure that the project is replicable, in terms of cost, materials, and technologies, so that others in the Southeast and around the world will be able to learn from Georgia Tech and build their own Living Buildings.

Steps to Building a Platform for Success

Since last fall when the Board of Regents gave its final approval to move forward with this project, an internal work group has been involved in an intensive planning phase — to get the right people engaged both on and off campus — to ensure long-term success for this project.



With an anticipated groundbreaking in 2017 and occupancy slated for 2018, teams from across campus, including Capital Planning and Space Management, Facilities Management, Office of Campus Sustainability, College of Architecture, and Administration and Finance, are working to define how Tech will thoughtfully engage and integrate design and construction teams, students, faculty, and researchers.

In November, Georgia Tech's Planning and Design Commission and representatives from The Kendeda Fund (www.kendedafund.org) agreed upon the planned location — in the northwest vicinity of campus (see map above) — for the project. This recommendation was based upon several factors including:

- Proximity to the Eco-Commons and, consequently, its ability to support the stormwater and landscape master plans.

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Living Building Challenge: The Journey Begins

- Ability to leverage natural resources including solar energy.
- Accessibility to the greater Tech community.

Currently, three integrated design teams (architects, engineers, and landscape architects) are competing to win the project bid. This winter, these teams will generate ideas to present to Georgia Tech's Planning and Design Commission in March, when the winning team will be announced.

"The Living Building-certified facility at Georgia Tech will positively impact the graduate and undergraduate curriculum for many years to come," says Gamble. "As educators of the next generation of architects and builders, we embrace this opportunity to rethink the status quo and envision how to make this concept a reality." Once the final design and construction teams are announced, additional student, faculty, and community engagement opportunities will be forthcoming.

Courtesy: Georgia Tech Daily Digest

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What does sustainability mean to Georgia Tech?

For Georgia Tech, being sustainable means much more than simply being "green." It is a result of embracing a transformative process where everyone is responsible for making choices that promote the health, human security, and well-being of today's — and tomorrow's — society.

"Being sustainable positively impacts our environment as well as our economy and our community," says Steve Swant, executive vice president for Administration and Finance. "The best guidance is to act responsibly and make smart choices by considering how decisions and actions impact all three factors."

Georgia Tech is uniquely positioned to fully integrate its powerhouse of resources —ranging from academics, to research, to campus operations — for a sustainable future. And for years, Tech has been advancing the concept of a sustainable campus on many levels.

But not until recently, with the announcement of the Living Building Challenge™project, has there been a concerted effort to bring all these initiatives together and use all of Georgia Tech, especially its technologies and physical space, as a living-learning laboratory to develop and test the ideas that can make a real impact both on campus and in the greater community.

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U.S. Energy Secretary Visit Highlights Georgia Tech's Energy Collaborations

U.S. Department of Energy (DOE) Secretary Dr. Ernest Moniz visited the Georgia Institute of Technology, delivering the keynote address for the second installment of the Quadrennial Energy Review.

Moniz also toured the Southern Company's Energy Innovation Center at Georgia Tech's Enterprise Innovation Institute in Atlanta's Tech Square and the Carbon Neutral Energy Solutions Laboratory on the Georgia Tech campus. In his opening address, Moniz said Georgia Tech has the opportunity to play a key role as a center of innovation in developing regional energy solutions. He described a new DOE initiative to establish regional innovation partnerships. Moniz said different regions have different needs, opportunities and resources, including natural, human and institutional resources.

The Carbon Neutral Energy Solutions (CNES) Laboratory is designed to foster industry collaboration and support translational and pre-commercial research in clean, low carbon energy technologies. Core research conducted within the lab includes solar technologies, combustion,

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U.S. Energy Secretary Visit Highlights Georgia Tech's Energy Collaborations

gasification, catalysis and bio-catalysis, as well as carbon capture and sequestration.

Lieuwen hosted the secretary for a tour of the CNES Lab, which has LEED Platinum status and was funded in part by Recovery Act funding through the National Institute of Standards and Technology (NIST.)

Moniz also spent time with Georgia Tech partner, the Southern Company. Southern Company has worked with Georgia Tech's Strategic Energy Institute on a number of research initiatives, including a promising 2005-2007 study on wind. DOE is a longtime supporter of and partner in Southern Company's efforts to invent America's energy future through robust, proprietary research and development (R&D).

Through the Energy Innovation Center, Southern Company is extending its R&D commitment by identifying better, more reliable and more efficient ways to increase value for customers through products and services. Many of the ideas being tested in the center come from the Southern Company system's more than 26,000 employees, while others are surfaced through partnerships with leading universities, research organizations and like-minded companies such as Nest and Tesla.

"Through the Energy Innovation Center at Tech Square and our partnership with Georgia Tech, Southern Company is expanding on its longstanding commitment to finding real energy solutions in coordination with like-minded leaders in R&D – from established corporations to fast-growing startups."

Moniz also took the opportunity during his remarks to recognize leaders at Georgia Tech such as former U.S. Sen. Sam Nunn, namesake and distinguished professor in Georgia Tech's Nunn School of International Affairs, and Provost Rafael Bras for their roles in advising federal energy and national security policy makers.

"We get lots of advice from Georgia Tech and we appreciate it," Moniz said.

Courtesy: Georgia Tech Daily Digest

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KSU and USGBC Georgia celebrate Earth Day

On Earth Day, USGBC Georgia and Kennesaw State University teamed up to host a farm-to-table tour at KSU's The Commons, the nation's largest LEED Gold collegiate dining facility.

To call this a cafeteria, or even a dining hall, does not do justice to this spectacular culinary delight. The foodies who attended were treated to a tour by Joshua Wendling, the Marketing Manager of KSU Culinary and Hospitality Services, which includes The Commons dining hall. First, we had a look at the menu, which featured locally sourced vegetables from the school's Hickory Grove Farm ands other locally sourced seasonal vegetables and cheeses. Joshua explained the sustainable systems of the dining hall, such as the "no tray rule," which conserves water and energy and encourages students to eat healthier and waste less food. Not only is this healthy and sustainable, but it also reduces KSU's operating costs.

Although the tour was awesome…the food was even better. Parents can rest assured that their students have access to healthy, organic and locally sourced meals at KSU. There is even fare for those who are sensitive to gluten and other food allergens. Although there are typical foods associated with college living, such as pizza, hamburgers and hot dogs, there is also international cuisine and yummy "home cooking" that is likely a result of parents submitting family recipes so their loved ones can still feel close to home. It was a shame that the tour of Hickory Grove farms was rained out—but that only means we can plan to return to another delicious dining experience! Many thanks to USGBC Georgia member and KSU professor Brandi Williams for setting up the Earth Day tour.

Courtesy: http://www.usgbc.org/articles/ksu-and-usgbc-georgia-celebrate-farmtotable-tour

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Georgia Tech, Emory begin resource sharing

Georgia Tech and Emory University now offer students and faculty a shared collection of library resources, sidestepping the traditional interlibrary loan system with immediate access to hundreds of thousands of titles.

The move, a result of the recently constructed Library Service Center, gives faculty, students and staff access to the world of scholarship in new ways, saving time and advancing research and learning as a whole, said Catherine Murray-Rust, dean of libraries at Georgia Tech.

Partnership improves access, saves time and increases ability for scholarship

Using the shared collection is easy. Users simply log into their respective university's catalog and search as usual. The new materials appear without extra steps or further searching.

Additionally, students and faculty at Emory and Georgia Tech will find deliveries to campus both seamless and timely, as nearly all materials will adhere to the 24-hour system developed for the Library Service Center, said Yolanda Cooper, university librarian at Emory.

To date the shared collection includes physical materials housed at the Library Service Center – about 95 percent of Georgia Tech's collection and 20 percent of Emory's.

By 2017 leadership at both schools hope to have finalized technology to share the remaining materials in Emory University's Woodruff, Health Sciences and Pitts Theology libraries and the Georgia Institute of Technology Library.

Special and media collections from both institutions are excluded from the shared collection.

Courtesy: Georgia Tech Library

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Hartsfield– Jackson International Airport earns LEED Gold Certification

Hartsfield-Jackson's Maynard H. Jackson Jr. International Terminal has achieved the coveted LEED (Leadership in Energy and Environmental Design) Gold certification. The 1.2 million-square-foot terminal and concourse were built with recycled and/or regionally produced construction materials. Several steps were taken to ensure air quality, to conserve water and energy, and to increase the use of natural light.

"We are extremely proud of this achievement, which reflects Hartsfield-Jackson's strong commitment to sustainability — specifically, the work to minimize the international terminal's impact on the environment," said Aviation General Manager Louis Miller. "Earning the LEED Gold certification for the international terminal is another step in Hartsfield-Jackson's journey to become the world's greenest airport." Among the eco-friendly features at the international terminal are:

- A 25,000-cubic-foot "water box" that collects rainwater from the roof, cleanses the water through a series of filters and releases it into the environment.
- A comprehensive cleaning program that uses environmentally friendly procedures and products that conform to one of the strictest standards set by the nonprofit organization Green Seal.
- A single-stream recycling program through which recyclables are collected in 50-gallon, stainless-steel drums and are sorted off-site.
- Low-flow faucets and toilets, which use at least 40 percent less water than standard fixtures.
- Several features designed to reduce energy consumption, including specialized heating and air conditioning units, low-reflective materials on roofs and roadways, and thermal glazing strategies to reduce heat loss through glass.

"Achieving LEED Gold certification says to passengers, the community and the employees that Hartsfield-Jackson is committed to conserving natural resources," said Jim Drinkard, assistant general manager for Planning and Development. The LEED certification program is administered by the U.S. Green Building Council and recognizes organizations that construct buildings with a strong emphasis on environmental performance.

Courtesy: http://www.atlanta-airport.com/HJN/2012/12/fa1.htm

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