



\$9.5 million HRB renovation completed

By Vijai Narayanan
News Editor

Following a year-long renovation process, the Hinman Research Building (HRB) reopened its doors for the first time this semester to faculty and students. Designed originally in 1939 by P.M. Hefferman, the architect and future director of the School of Architecture (1956-1978), the building served as the first freestanding research facility on campus. Located near the library, the facility will house over 200 faculty and graduate students engaged in a multitude of research activities.

As a result of the project, the College of Architecture (CoA) added a total of 14,500 sq. ft. of studio and instructional space, and over 6000 sq. ft. of research space. The renovation was prompted by the expansion of enrollment and research activity within the CoA over the past decade. The overall cost of the project was approximately \$9.5 million, with the majority of the funds provided by the state.

The main hall of the building was recreated with the goal of making the space more flexible, where groups can engage in a variety of projects of different sizes and scales.

Among the new features of the building is a 3000 square foot mezzanine, suspended by a crane used historically to lift large structures into the research facility.

In addition to the mezzanine, a spiral staircase enclosed in a cable mesh connects the floor to offices on the sides of the hall. Other features of the building now include a 40-foot guillotine door which, when

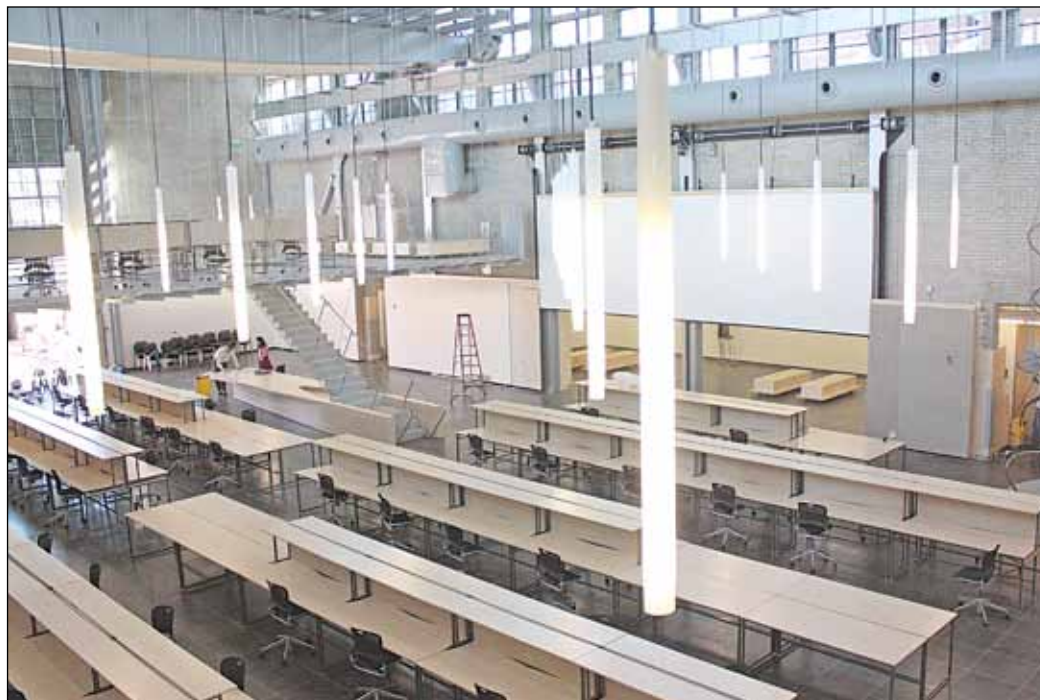


Photo by Virginia Lin / Student Publications

The newly renovated Hinman Research Building features, among other things, a large mezzanine held up by an old crane and a spiral staircase covered with a steel cable mesh.

opened, reveals a large gallery where students can showcase and critique each others' work. The hall also contains pendant lights which can be retracted to allow large film screenings and other activities.

"I see this building as a theater not only for the imagination of the School or the College, but I like to think of it as a theater of the imagination of the Institute... I would like to see us having joint projects in here with engineers, architects and industrial designers creating together projects that we can all share," said Dr. Alan Balfour, the Dean of the CoA.

The building will serve as a research facility within the CoA, advancing technology for the design and construction of buildings. In pursuit of this



Photo courtesy of College of Architecture

Prior to the renovation the space was used by GTRI and other campus departments as space for many research projects.

goal, the new Digital Building Laboratory (DBL) will also be located within the building. Comprised of students, faculty

and corporations, the DBL will be dedicated to moving for-

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Construction progresses without delay

By Vijai Narayanan
News Editor

Following a period of inclement winter weather last week, crews resumed work on a number of projects designed to transform the center of campus by the end of the year. In addition to ongoing construction on the Clough Undergraduate Learning Commons (CULC), several projects were initiated over winter break, such as the construction of a Stinger turnaround behind the Student Center, and work on the Campanile fountain to connect it to an underground cistern. Despite the setback, work will be completed on all of the projects without delay.

"Last week's winter storm caused the construction site to close for several days. The effects of the weather continue to impact the landscape work since the construction site is muddy. However, the team will work extended hours to make up time in an effort to maintain the schedule," said John Duconge, Georgia Tech Facilities Senior Project Manager.

As a result of these projects, traffic has been rerouted through the area, causing inconvenience for some. For example, due to the closure of Skiles Walkway, a detour has been constructed behind the Skiles building known as Skiles Alley. Also, the construction zone for the CULC building has been expanded to

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C2IU drives educational technologies

By Emily Cardin
Assistant News Editor

On Dec. 17, 2010, the Institute announced the creation of the Center for 21st Century Universities, a new initiative that will be the testing ground for revolutionary educational ideas and concepts.

The Center for 21st Century Universities, or "C2IU," will be directed by the former Dean of the College of Computing, Richard DeMillo. He believes that Tech is the best location for an institution such as the center.

"The response has been tremendous. Georgia Tech professors are ready for this," DeMillo said. "We recognize that to remain a top technological university in the 21st century we might have to reimagine what it means to be a university. It's the kind of out-of-the-box thinking that got Georgia Tech to this point as a top research university. Imagine what will be possible if even a fraction of that research talent is devoted to higher education itself."

The center will emphasize the role of disruptive technologies, or innovations

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snow bound



* Students enjoyed three free days when a snow storm hit Atlanta late Sunday, January 9. Classes were cancelled Monday through Wednesday due to the inclement weather and poor driving conditions.



Photos by John Nakano / Student Publication

TECHNIQUE

The South's Liveliest College Newspaper

Founded in 1911, the *Technique* is the student newspaper of the Georgia Institute of Technology, and is an official publication of the Georgia Tech Board of Student Publications. The *Technique* publishes on Fridays weekly during the fall and spring and biweekly during the summer.

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From the files of the GTPD... Campus Crime

By Emily Cardin
Assistant News Editor

Cellular sex offender

A GTPD officer was dispatched after receiving notification of a suspicious person near the Molecular Science Building. The victim reported that the individual was acting strangely and threw his cell phone away before exiting the building. The subject was identified and spoke with GTPD. The subject had another cell phone in his possession. It was concluded that this cell phone belonged to a female Tech graduate who had met with the subject earlier in the day. She reported that the subject had stolen her cell phone and refused to return it

until she performed sexual favors upon him. She stated that the suspect was bipolar and was probably not taking his medication. The female victim's cell phone was returned to her possession, and the subject was warned to stay away from campus.

Library libations

A female student reported indecent exposure at the Library to GTPD. The female victim reported that while at the Library, a man had exposed himself to her. The victim reported that she had seen the man at the library on several occasions since then and had

taken a picture of him with her cell phone.

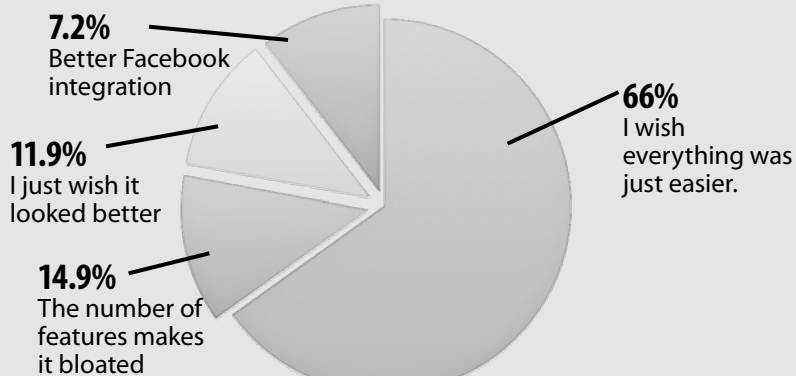
She showed the picture to security personnel at the library, who identified the man as a former employee of the library who visited frequently. The victim also emailed the picture to GTPD.

Suspicious G.I.

A GTPD officer responded to a suspicious person call from the Student Success Center. The suspect said that he was seeking enrollment into Tech and had spoken previously with administration personnel. After a discussion with the subject, it was determined that the subject had been in the military and was seeking information on using his G.I. Bill to attend Tech. After witnessing the suspect contact personnel and exit the building, the officer determined that the suspect had a legitimate reason to be on campus.

POLL OF THE WEEK

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Council Clippings

This week in Student Government

By Mike Donohue, SGA Editor

Each week, this section includes coverage of different aspects of Student Government, including the Undergraduate House of Representatives, Graduate Student Senate and the Executive Branch of both governments.

Class presidents

The Undergraduate House of Representatives amended its by-laws with a vote of 44-2-2 during its Tuesday meeting to give more responsibilities to the four class presidents, who are the following members: Jacob Tzegaegbe (Senior Rep.), Alex Walker (Junior Rep.), Hunter Hammond (Sophomore Rep.) and McKenzie Delaney (Freshman Rep.). The class presidents are those who received the most electoral votes in the last election.

Currently, the presidents' only responsibility beyond those of a normal representative are to attend SGA advisory meetings each week when they talk with other campus leaders about pressing issues. The new responsibilities would require them to deliver a monthly report to the House, describing the efforts the president and the other representatives of their respective classes have taken to contact constituents.

Hammond supported the bill. "I am very excited about this resolution," Hammond said.

Not all representatives felt that this amendment was a positive step.

"You can't regulate yourself out of inherent issues," said MGT Representative Mathias Rost.

Internal Development Chair and Junior Representative Mike

Mosgrove authored the bill and felt that it would help.

"I consider [this] a productive step to increased communication with constituents. The bill is meant to begin streamlining communications in an organized manner," Mosgrove said.

JacketPages revision

A revision of JacketPages over the winter break has caused discontent among Undergraduate Representatives and Graduate Senators. Along with user interface and social changes, the new version changed several aspects of the bill submission system.

"The JacketPages change on the finance side caught us all by surprise," said Anthony Baldrige, Graduate Student Body President. "With the new system, it is difficult to use JacketPages in the capacity that we are accustomed such as searching bills by stages and searching bills at all for that matter."

Undergraduate Executive Vice President Brenda Morales asked for patience from organizations.

"We ask for everybody's patience as we continue to familiarize ourselves with the limitations and opportunities presented by the new system, attempt to resolve any issues that arise and make adjustments to better serve student organizations," Morales said.

Ervin shares plans for diversity

By Mike Donohue
SGA Editor

On Saturday, Jan. 1, Dr. Archie Ervin began his tenure as Tech's first Vice President of Institute Diversity. A member of Institute President G. P. "Bud" Peterson's cabinet, Ervin will take the lead in coordinating the diversity initiatives across campus.

Ervin was selected during a nationwide search that included several rounds.

"We wanted to make sure that we had strong leadership in diversity and that diverse perspectives were represented at every level," Peterson said.

Ervin's most recent role, as Associate Provost and Chief Diversity Officer of the University of North Carolina at Chapel Hill, had him leading efforts to develop search strategies for faculty, working on management strategies to increase the accessibility of UNC to under-represented minorities, and managing diversity programs across UNC's 13 schools. He served in that post for five years, starting in 2005.

"[Diversity is] the opportunity to promote a broader view of academic excellence in the academy," Ervin said when asked of his view on diversity.

At Tech he wants to expand the role of women at the Institute and increase access to Tech for lower income populations.

"I have already discovered that there is a wealth of opportunity here. I think we can better position the university if we can find ways to make and develop some

benefits from the synergy of people, at least operating from a high level vision from what we're trying to do," Ervin said.

Several campus leaders expressed support for Ervin's new job, but each expressed a slightly different hope for what they would like for him to accomplish at Tech.

"I do hope that Ervin's efforts are focused not only on attaining certain benchmarks in the STEM areas, but also in developing a diversity of thought throughout our campus," said Corey Boone, Undergraduate Student Body President.

"I hope he concentrates on retention and the strengthening of programs and organizations that already exist on campus," said Anthony Baldrige, Graduate Student Body President.

When asked about what he hopes to do first, Ervin said he planned to take these first few weeks to get a sense of the Institute's culture. Once acclimated, he plans on beginning work on a diversity inventory.

"I come from world where data drives decision making. And rather than go on what one's intuition is and what people tell me, I do think there is a need for us to be able to determine and discover what kinds of things are here in terms of the way people establish the Tech campus," he said.

Using an Aerospace Engineering program audited by NASA as an example, Ervin said he could use already existing resources to evaluate the state of diversity at Tech.

Ervin also plans on interacting with students as he carries out his initiatives. He has already met with many of the deans and cultural groups. Ervin expressed particular interest in working with the Greek community.

"I see a lot of leadership potential in that community at Tech," Ervin said.

He has already begun by creating a student advisory board. Both Student Body Presidents have shown enthusiasm for the idea and will be providing representatives.

"Dr. Ervin's plans to establish an advisory board is key to ensuring that the students are active participants in building a more inclusive community, and I believe that the students appointed to the board will do a fine job," Boone said.

"The establishment of an advisory board will do great things to generate ideas of how to tackle diversity on campus and Grad SGA will be happy to send representatives...." Baldrige said.

Ervin noted that the establishment of a Vice President for Institute Diversity is an indication that diversity is a large part of Peterson's agenda.

"[Peterson is committed to proving support to this initiative] to actually try to make Georgia Tech more nationally visible," Ervin said, "and [to make Tech] more prominent in terms of the intellectual capabilities that are brought to bear in the faculty, in the students who are brought here, and the staff who support their obligation to the university."



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that improve a product or service in ways that the market does not expect, and the educational opportunities for students.

Based out of the College of Computing, the center represents a diverse coalition of faculty members, including those from the colleges of Public Policy, Interactive Computing, Industrial and Systems Engineering and Management.

The center's first plan is to develop a seed grant program that will identify and provide grants and funds for promising early proposals.

Some sample projects the center will be pursuing include social networks for expanding the reach and effectiveness of student-faculty interactions, open blogging platforms for facilitating student interactions, and artificial intelligence for augmenting human advising.

DeMillo emphasizes the active role that students will play in determining and participating in the future of this initiative.

"I expect that students will have an involvement from day one," said DeMillo. "The only way to conduct experiments with concepts like [redesigning courses and curriculum] is to actually create learning communities and environments. That means students will be involved. We will invent ways to answer [the students'] question. In the process, some Tech students will get to 'live in the future' because they will be part of the research teams."



Photo by Sho Kitamura / Student Publications

In addition to construction at the campanile, the CULC construction zone was expanded to accomodate a new cistern.

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accommodate the installation of a cistern under Tech Green.

"They really did a great job on the area behind Skiles so that it's nice and wide and much more pleasant than it used to be. I think it'll get a lot better when they get done with the Campanile and that whole space is opened up," said Dr. Catherine Murray-Rust, the Dean of Libraries.

The library will take over management of the CULC after its opening, working to integrate services and programming throughout the two buildings. Two floors of the CULC will be connected to the library, allowing students to move freely between the two structures. The library will be responsible for providing security services and the management of

common spaces in the library.

In addition to managing the physical building space, the library will continue to work with partners like OIT, Success Programs and other stakeholders to provide shared services. Originally, the Provost's Office was slated to manage the CULC, but the decision was made last fall following some discussion to turn over that responsibility to the library.

"It makes sense to take these people who know what they're doing in all of those areas, give them more responsibility, hire more junior people and have more people generally concerned about how to run that building well," Murray-Rust said.

The construction of the CULC will be completed in June 2011, when it will be turned over to Facilities for furnishing.

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ward modeling and visualization technology in the field of construction.

"Working with drawings produced by drafting software is really an obsolete notion in almost all other industries, and the idea of the DBL is to take advantage of the current conditions in the construction industry, which is finally undergoing the revolution of modeling," said Chuck Eastman, Director of the DBL.

The HRB was the first major setting for publicly funded research in the South. The building served initially as a research facility of the Georgia Engineering Experiments Station, which was renamed the Georgia Tech Research Institute (GTRI) in 1948.

The research conducted at that

time was instrumental to the advancement of helicopter and microwave technology. In fact, the crane used to suspend the mezzanine in the building today was used to lift helicopter systems in and out of the building.

Following its original construction in 1939, the building has undergone a series of additions over the years.

The project was a result of collaboration between many different entities, including architectural firm Lord, Aeck & Sargent, Office dA, the Beck Group and Nader Tehrani, a professor in the CoA.

The building was treated as a historical preservation project and had to meet additional guidelines in order for changes to be approved. The renovated building is LEED Gold certifiable.



Photo by Virginia Lin / Student Publications

A 40-foot guillotine door opens to reveal a hidden gallery that students can use to showcase their work to various audiences.

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Robert McGrath named GTRI director

By Maddie Cook
Staff Writer

Dr. Robert McGrath will begin his position as Vice President and Director of Georgia Tech Research Institute (GTRI) on Feb. 1. Most recently, McGrath served as a consultant on National Laboratory/University Partnerships, STEM Education and Race to the Top initiatives for Battelle Memorial Institute in Columbus, Ohio.

"Tech and GTRI both enjoy tremendously strong national and international reputations. When I was contacted about the opportunity at GTRI, I was immediately very enthusiastic," McGrath said.

McGrath's past work experience includes philanthropic work at the Battelle Memorial Institute, positions at Pennsylvania State University and Ohio State University, work within the Department of Energy and extensive research on magnetism. McGrath has a wide range of experience through his interdisciplinary research and work in many different fields.

"As a younger faculty member and scientist, I enjoyed many productive years of research working on magnetic fusion energy and microelectronics manufacturing," McGrath said. "I've migrated to supporting the much broader research agendas of major universities and national laboratories, and have found great satisfaction in helping to provide the unique laboratories, equipment and in-



Photo courtesy of Communications & Marketing

McGrath was named the director of GTRI last month. He was recently involved in philanthropy at Battelle Memorial Institute.

frastructure that enable the success of hundreds and hundreds of researchers in a variety of disciplines."

Kirk Englehardt, director of GTRI Communications, believes that McGrath's personal passions align with those of GTRI.

"McGrath has a positive commitment to forming strong bonds," Englehardt said.

Since May 1, 2010, interim director Tom McDermott has filled the position that McGrath is now beginning. Stephen Cross, who was promoted to Executive Vice

President of Research, held this position prior to McDermott's interim period. During the past nine months, McDermott has worked and developed new projects such as the new lab that focuses on cyber-security started in Oct., a joint project with the College of Computing. Another project GTRI has begun to work with is its participation with the FutureMedia Fest, which Tech hosted this past Oct.. GTRI has been growing steadily as it has hired about 300 people over the last three years.

As McDermott makes his transition back to his original job as Deputy Director of GTRI, he believes that a steady, rather than rapid, growth in GTRI would be beneficial. Similarly, McDermott agrees that GTRI should strengthen faculty bonds.

"We should increase and improve relationships with the academic faculty. We pursue joint research and should continue to do so," McDermott said. "GTRI definitely aims to build stronger relationships among Tech's academic faculty and students."

Currently, 325 Tech students are on GTRI payroll, while other Tech academic faculties are looking to participate in joint research projects with GTRI. Students in majors ranging from ME to PUBP have had the opportunity to work with GTRI in computer programming, mechanical design and policy analysis.

NEWS BRIEFS

Susan Herbst named UConn president

Following a six-month search, The University of Connecticut Board of Trustees voted to appoint Susan Herbst as The University of Connecticut's 15th president.

There were more than 100 applications for the position. Herbst was one of three finalists considered by the 40-member search committee and the Board of Trustees. Herbst is currently the Executive Vice Chancellor and Chief Academic Officer for the University System of Georgia (USG), overseeing all academic programs for the state's 35 public colleges and universities.

Provost announces committee for X-College initiative

Earlier this month, Provost Rafael L. Bras announced the creation of a committee that will review options and formulate strategies for the creation of an X-College.

X-College is considering whether to allow students — with strong faculty guidance — to compose programs of study that focus on particular "grand challenges" facing society, using knowledge from a wide range of relevant fields and emphasizing interdisciplinary learning while maintaining the academic rigor expected at Tech.

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