**RESEARCH**

Videogame history project emulates CRT on LCD

We thought fuzzy images went out with cathode ray tube monitors, but a team of boffins at Georgia Tech have developed an app that mimics the visual characteristics of CRTs on today's LCD screens.

http://tinyurl.com/c7kuly

**NEWS**

Computer model can predict how flu would spread in Georgia

Using a computer model Georgia Tech researchers developed, the state could then predict where and how quickly the [H1N1 swine flu] virus might spread.

http://tinyurl.com/ckyudy

**EVENTS**

**ARTS & CULTURE**

Through May 29

Students from the History, Technology and Society “Introduction to Museum Studies” class and the Robert C. Williams American Museum of Papermaking present “The Art of the Book,” from 9 a.m. to 5 p.m. in the Newby Room of the Georgia Tech Library.

www.iac.gatech.edu

Through May 22

The Robert C. Williams Paper Museum presents “Jiha Moon/Nate Moore: Recent Works.” Museum hours are 9 a.m. to 5 p.m. Monday through Friday.

www.ipst.gatech.edu/amp

June 22–26

The Robert C. Williams Paper Museum will hold a Japanese Papermaking Workshop, from 9 a.m. to 3:30 p.m. Cost is $150 for members, $160 for non-members. RSVP by June 12.

www.ipst.gatech.edu/amp

**CONFERENCES/LECTURES**

May 6–7

The Institute hosts the Computing at the Margins symposium, aimed at understanding the technology needs of and driving the creation of technology for under-served communities. The event will be held at the Technology Square Research Building, from 3:30 p.m. to 5 p.m.

**PEOPLE**

USA TODAY names 2009 All-USA College Academic First Team

USA Today named 20 students to its All-USA College Academic Team, honoring them for outstanding intellectual achievement and leadership. Tech student Virgil Secasanu was among the 20 First Team members.

(USA Today)

http://tinyurl.com/clkdbe

**GOVERNMENT**

In what ways has GTRI excelled?

GTRI marks 75 years of research at Tech

The Georgia Tech Research Institute (GTRI), funded with an initial $5,000 from the state legislature in 1934, celebrated its 75th anniversary April 20.

During a short symposium held at the Ferst Center for the Arts, President Bud Peterson, GTRI Director Stephen Cross and Chief Scientist Dennis Fields presided over several presentations highlighting some of GTRI’s contributions — past, present and future.

The Whistle had a chance to speak with Cross about what to expect from GTRI in the coming years.

In what ways has GTRI excelled in fulfilling its mission for the last 75 years?

Earlier this year, GTRI’s 75th anniversary was celebrated by our state leaders and resolutions were passed by the Georgia House of Representatives and Senate. They stated that GTRI has ‘executed a synergistic model of research, innovation and education and uses this model to solve the significant problems of a complex world,’ and has ‘provided real-world education experience to thousands of students.’

In addition, GTRI’s ‘economic impact on Georgia has been profound,’ and it has ‘provided invaluable services to state agencies to improve education and to protect Georgia’s citizens.’

The opening of the Marcus Nanotechnology Building positions Georgia Tech as the premiere facility for nanotechnology research and development while igniting an environment that could potentially transform both local and state economies.

Above: Philanthropist and donor Bernie Marcus speaks at the dedication the Marcus Nanotechnology Building, which supplies 30,000 square feet of additional clean room space to the Institute’s research capabilities. Left: University System of Georgia Chancellor Erroll B. Davis Jr., President Bud Peterson and Marcus tour outside the facility’s clean rooms.

Tech dedicated the Marcus Nanotechnology Building—one of the most ambitious and expensive projects in the Institute’s history — on April 24, three years after breaking ground.

The 190,000-square-foot complex positions the Institute to be a global hub for nanotechnology research and development, and it has ‘provided real-world education experience to thousands of students.’

**SCIENCE OF THE SMALL**

Marcus Nanotechnology Building formally dedicated

**TOWER AWARDS**

recognize excellence

GTRI Director Stephen Cross delivers one of the keynote addresses during the GTRI 75th anniversary symposium.

S. Gordon Moore Jr., managing partner and director of the Office of Minority Education Development (OMED), congratulates a Tech student at the annual Tower Awards, held April 2 at the Hyatt Regency in Atlanta. Several former and current faculty and staff members were recognized for their contributions to the academic successes of traditionally underrepresented students.

www.whistle.gatech.edu
Research

Good chemistry

El-Sayed named winner of international prize by journal editors

The editors of the leading international journal Chemical Physics Letters announced that the second Ahmed Zewail Prize in Molecular Sciences has been awarded to School of Chemistry and Biochemistry Professor Mostafa El-Sayed.

The prize recognizes El-Sayed for his seminal contributions to the understanding of the electronic and molecular dynamics and properties of systems with different length scales, ranging from molecules to nanoparticles to biomedical systems.

El-Sayed has made broad fundamental contributions to many research areas in the field of electronic and molecular dynamics. His pioneering experiments have yielded deeper understanding of the mechanisms of electronic dynamics in many systems of different length scales ranging from gaseous molecules, ions, gaseous clusters, molecules in condensed phase, amorphous and crystalline solids, nanoparticles and photo biological systems.

Last September, El-Sayed received the 2007 Medal of Science at a White House ceremony. His research areas include nanoscience and nanotechnology, and he is director of the Laser Dynamics Laboratory. The Ahmed Zewail Prize was presented during the 2009 spring meeting of the American Chemical Society in Salt Lake City.

The prize is awarded on a biennial basis to an individual scientist who has made significant and creative contributions, particularly those of a fundamental nature, to any of the molecular sciences disciplines.

A monetary award of $20,000, a gold medal and a certificate are presented to the winner.

Awarding of the prize takes place at the Ahmed Zewail Prize Award Symposium at the ACS Spring National Meetings.

For more information
www.chemistry.gatech.edu

Above: President Bud Peterson delivers one of the keynote addresses at the GTRI 75th Anniversary Symposium April 20. Below: GTRI Director Stephen Cross, left, and President Peterson meet with former GTRI directors Ed Reedy and Maurice Long.

In your best estimation, what does the future hold for GTRI?

Tech’s research strength is based on its ability to move great ideas from basic research to real-world application. GTRI is an important part of this, something I was gratified to hear in President Peterson’s remarks at the 75th anniversary symposium. GTRI’s future is bright as an integral and celebrated part of Georgia Tech. We want to live up to the words used in our name and to earn the right to say them every day—we are a Research Institute and we are Georgia Tech.

For more information
www.gtri.gatech.edu

Researchers were able to share and discuss their work with attendees at a poster session that accompanied the 75th anniversary symposium.

GTRI, continued from page 1

These are accomplishments resulting from the tireless effort of GTRI’s professional and expert staff (1,300 strong) unique laboratory facilities and close working relationships with students and faculty in the colleges. The fact that we are not only in Atlanta, but also in 12 national locations and in Ireland, helps us excel.

What does this anniversary mean for Georgia Tech as a whole?

The Institute’s research reputation today is predicated on the excellence of all its outstanding faculty and students. In 1934, Tech officially supported research as part of its core mission by opening the State Engineering Experiment Station (now known as GTRI). By the early 1950s, some 66 academic faculty from 13 different schools were engaged in leading-edge research through the laboratories and facilities managed by what is now GTRI. Tech has transitioned from an undergraduate engineering school to a major international research university recently ranked as the No. 7 technological university in the nation. We are proud that GTRI has played an integral role in helping Georgia Tech become a world-class research university.

How is the “model” at GTRI unique? Or how does it improve on others?

The GTRI model—a synergistic mix of research, innovation and education—is combined with our role and our passions as real-world problem solvers. Our people never stop asking “Why not?” and strive for excellence in everything they do. What we do may not be completely unique, but how we do it is. We have a tradition of collegiality and a culture of creativity through interdisciplinary work. One of GTRI’s strengths is that it offers government and industry sponsors access to the collective research might of a world-class research university. I firmly believe we do this better than any other university.

You spoke at the symposium about some landmark ideas GTRI has produced. Which ones stand out to you?

I’m pleased there are so many that have impacted Georgia industry over the years, but it is not so much the specific outcomes, as the people that produce the outcomes. What inspires me about GTRI, and Georgia Tech in general, is the passion of our people for problem solving.

While some universities might brag about what they do, we just let the results speak for themselves. Maybe we are too humble, maybe we just don’t know how good we are—or maybe we are just too busy solving problems. Listen to stories about GTRI heroes like Glen Robinson, Fred Dyer and George Jeffares at www.gtri.gatech.edu/gtri75/history-makers.

GTRI
Continued from page 1

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Researchers were able to share and discuss their work with attendees at a poster session that accompanied the 75th anniversary symposium.
The National Society of Black Engineers (NSBE) has named School of Electrical and Computer Engineering Associate Professor Ayanna M. Howard recipient of the organization’s 2009 Golden Torch Award. Howard received the award, created to recognize outstanding professional achievement and community service, at a gala ceremony during NSBE’s 35th Annual National Convention.

Howard joined the Tech faculty in 2005 after a 12-year “rocketeered” run as a robotics research engineer at NASA’s Jet Propulsion Laboratory.

At the age of 30, she was listed as one of the “Top Young Innovators” by the prestigious MIT Technology Review and was also covered by Time magazine for her work in robotics. In her short, four-year tenure, Howard has already made a significant impact on intelligent systems research and engineering education.

She has developed two educational software packages for artificial intelligence and robotics programming and a new graduate course on robotics control and techniques.

She is also the principal investigator of the Human-Robot Interaction Workshop series, which provides research experience to underrepresented undergraduate math, science and engineering high school and middle school students, and is the co-principal investigator of the Advanced Robotics Technology for Societal Impact (ARTSI) Alliance, whose goal is to increase the number of African Americans who study computer science and robotics and then go on to pursue graduate studies. Howard has a B.S. in computer engineering, from Brown University, a master’s and doctorate in electrical engineering from the University of Southern California, and an MBA from Claremont Graduate University.

Launched more than a decade ago, the Golden Torch Awards are NSBE’s highest honors and are part of NSBE’s effort to spotlight the hundreds of thousands of black professionals and students in engineering, science and information technology in the U.S. The NSBE Golden Torch Awards also honor organizations that give outstanding support to these individuals. In addition, selected high school students receive benefits from the awards in the form of scholarships funded by the event.

For more information
www.ece.gatech.edu
http://humanslab.ece.gatech.edu
**Community**

**Towering above Students, staff and faculty recognized by OMED awards**

**Robert Nesmith**

COMMUNICATIONS & MARKETING

On April 2, the Office of Minority Education Development recognized students for their academic accomplishments at its 15th annual Tower Awards.

During the ceremony, several faculty and staff members who have helped shape or support the organization’s mission also were honored.

More than 300 students attended, receiving the OMED: Educational Services Tower Award in one of three categories: Graduation, Academic Career and Academic Year. Award levels are gold, silver and bronze, corresponding to the students’ grade point averages. A performance recognition medallion is also given to first-year, dual-degree and transfer students.

OMED: Educational Services aids in the recruitment, retention and development and performance of underrepresented students at Tech, typically African-American, Hispanic and Native-American. Study groups, a computer lab, a writing center and student coaching all are offered at OMED. While targeted to certain students, OMED’s programs are open to all Tech students.

“These students are constantly told the importance of doing well in school and performing at their best,” however, they are seldom reaffirmed,” said OMED Director and Managing Partner S. Gordon Moore Jr. “In many cases it equals a ‘job well done’ from the Institute. If you get a chance to speak to the students and their families, they will tell you how it truly reaffirms that not only are their efforts acknowledged, but they are important to the GT community. These awards also serve as an incentive to those who are not performing at their best.”

During the course of the evening, several former staff members were honored with the OMED: Educational Services awards. Students presented awards to Giselle Martin, a program officer with the Goizueta Foundation, and Keith Jordan, former assistant director in Admissions.

Martin had previously worked in Admissions and the College of Computing. OMED staff gave special recognition to Norman Johnson, former special assistant to the president at Tech, and Gavin Samms, former OMED director and managing partner.

Students are now a researcher at Harvard and Johnson is a consultant. “These two gentlemen played an instrumental role in the initiation of the Tower Awards,” Moore said.

In accepting his award, Samms spoke about how OMED has helped raise the stakes for underrepresented students. “People who look like us don’t need the bar lowered,” he said. “Go ahead and raise it, because we can step over it.”

Johnson, in receiving his award, spoke of Tech’s reputation for producing African-American and women engineers. “Tech does it better than any other institution in the country—north, south, east and west,” he said. “If you don’t believe it, just count the number of master’s and [doctoral] degrees.”

These individuals are a living testimony of the Georgia Tech and OMED mission statements, and have gone above and beyond to support, promote and champion a diverse Georgia Tech community, underrepresented students and student organizations, and Tech and OMED programs and initiatives,” Moore said.

“We take the Mentor Award very seriously and consider it the highest award that OMED would present to a non-student.”

While 300 students attended the banquet, more than 700 were eligible for awards.

To see someone grow and develop from a high school student to a successful college graduate is a truly remarkable experience,” Moore said. “The journey is incredible, and the students are unbelievable. The greatest experience of all is when you watch a student earn a Tower Award that had been written off by everyone including themselves.”

The awards were created for the purpose of dedicating one evening annually to the celebration of academic achievement among students who less than 50 years ago could not attend this institution. This one evening reminds you of why you do what you do with so much passion, energy and love. Moore and the OMED staff are gearing up for the unit’s 30th anniversary celebration by the fall.

For more information

www.omed.gatech.edu

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**CARNegie NEWS FREeS**

**Presidential inauguration**

The Office of the President has announced plans for the inauguration of Georgia Tech’s 11th president, Bud Peterson, on Thursday, Sept. 3.

Plans are in the preliminary stage but are expected to include a morning ceremony in the Ferst Center for the Arts followed by a campus-wide picnic and a series of lectures throughout the afternoon. A planning committee will be formed and announced soon.

**Ivan Allen College dean search**

Following the recent announcement that Ivan Allen College of Liberal Arts (IAC) Dean Sue Rosser has accepted an appointment as provost at San Francisco State University, the Office of the Provost has sought nominations from the IAC faculty and staff for an interim dean who will help guide the Ivan Allen College through the leadership transition.

As has been policy, the interim dean shall not be considered as a candidate for the position of dean.

When the interim dean is appointed, the committee to identify candidates for the position of dean will be formed. Suggestions were also sought from the IAC community for the search committee’s chair and for its membership.

Dean search committee chairs are usually Georgia Tech faculty members whose primary appointment is not within the college where the dean will lead, but suggestions for members from allied units throughout Tech and from the relevant external community were also sought from the IAC community.

“Ivan Allen College will continue its important work,” said Susan J. Mason, dean of the Ivan Allen College.

As part of an ongoing effort for enhanced communication by the Office of the President, Office of the Provost and Office of the Executive Vice President for Administration and Finance, this feature provides a brief snapshot of issues and projects of interest to the campus community.

Carnegie News Briefs will be included in the first publication date of each month. Questions can be directed to

editor@comm.gatech.edu

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**“Great Colleges to Work For” survey**

Georgia Tech is participating in the “Great Colleges to Work For” survey sponsored by The Chronicle of Higher Education.

One part of our participation is an online employee survey of 600 faculty and staff members selected at random. The survey period closed with more than 55 percent of the sample responding, exceeding the recommended response rate of at least 40 percent. Thank you!

As part of this project, we need your feedback. The survey deadline is Dec. 15, 2009.

The survey can be accessed at www.gatech.edu/greatcollegestoworkfor.

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**CLASSIFIEDS**

Downtown. HW floors downstairs, updated kitchen with new appliances, laundry on site, patio, pool, parking, $160,000. E-mail suellen.robertson@gmail.com.

For sale or rent: Renovated brick ranch features new hardwood floors, new appliances, HVAC, HW floors throughout, open floor plan, perfect for entertaining.

For rent: 2BR, 1.5BA, 900 sq ft, 3 miles from campus. Roommate-friendly floor plan. 1-year lease, remodeled, $795/month. E-mail acnp@yahoo.com for pics, or call 678-714-5506.

For sale: 1/2BR, 2BA with 2 extra rooms. Master BR w/ walk-in closet, walk-in shower. Large LR w/ fireplace, big kitchen and laundry. 1-car garage. Fenced yard. Excellent schools: Brookwood HS, Chastain MS and Coop ES. $1,100 deposit and $1,100 monthly rent. Call 770-617-1199.

For sale: Split level house in Lilburn, Camp Creek/Parkview schools, level yard, can be used as-is. Call Matt Buss at 678-938-4015.

For sale: 3BR/2BA, 4-sld brick house w/ 2-door garage and beautiful back yard on almost 1/2 acre. Located in Lithonia, close to Stone Mountain Park and Mystery Valley golf course. Owner will work with buyer to do a quick sale. Call 770-469-8220.

For sale: 4BR/3BA mid-century, updated home in Galleria Hills. Open floor plan, separate living room and family room, 6 miles west of Tech, easy access to MARTA, off-street parking, utilities included. $495K. One month deposit. E-mail kwbuchapiew@gmail.com.

For rent: 3BR/2BA in quiet Buckhead neighborhood, 2 acres, $1,700/mo. Deposit, one-year lease required. Call Mike at 678-794-6275.

For rent: 2 miles from Tech (5 min. drive or 10 min. bike ride). Great neighborhood, separate entrance, 2BR, 2BA with 2 extra rooms. Laundry in apartment, gourmet kitchen, beautiful HW floors, $1,200 a month. E-mail camoll.math.gatech.edu or see www.603ncg.com for pics and information.

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**Furniture/Appliances**


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**MisCellaneous**

Moving sale. DVs, CDs & VHS, $3 to $10. E-mail for Excel file list of titles to moctm@cox.net. Baby car seat, $25. Twin bed, $10. Fridge, $15. Coffee maker, $10. Swivel baby bed mattress, $35. Place pen pad, $10. Call Mikey at 770-236-0834.

Check out more ads at www.whistle.gatech.edu.

Ads appear and run for three weeks in the order in which they are received.

E-mail submissions to editor@comm.gatech.edu.