



THE Whistle



ASK AWAY



Can the Campus Recreation Center pool be rented out for parties?

Yes. Faculty, staff, students and alumni who are CRC members can reserve the Crawford Pool and its surrounding amenities, including the adjacent locker rooms, spa, and waterslide. Reservations must be made three weeks in advance. Pricing, pool rules, and more information are available online at c.gatech.edu/PUCedI.



Have a Tech-related question that you'd like answered? Email it to editor@comm.gatech.edu.

NEWS BRIEFS

Techwood Drive under Construction, Closed to Vehicles through May

New landscaping, retaining walls, and underground utilities will be installed along Techwood Drive between Bobby Dodd Way and North Avenue. Techwood will be closed to vehicular traffic between May 12 - 30, and sidewalks will be closed on the east side of the street until August 4. Work is scheduled to be completed August 11. More information and a detailed map available at:

c.gatech.edu/NbsZi8

Whistle Goes Monthly for Summer

The Whistle's biweekly publication schedule will go monthly for the summer, printing on June 16, July 14, and Aug. 18. Biweekly publication will resume with the fall semester. The latest Georgia Tech news is available all summer, and all year, at:

news.gatech.edu

Federal Budget Process Underway

Georgia Tech is a national research powerhouse and our visibility in Washington, D.C. has never been greater. But while Tech has managed to double federal funding for research over the past decade, other research universities are trying to mimic our trajectory, making the competition for increasingly scarce federal dollars as intense as ever. Read on to learn about Tech's proactive engagement with the federal government and analysis on research themes being pursued by major funding agencies.



Image courtesy of aoc.gov

Tech Submits Federal Budget Requests

TERI NAGEL
GOVERNMENT AND COMMUNITY RELATIONS

Recently, Tech's federal relations director, Robert Knotts, briefed the campus community on the Institute's federal appropriations requests now that the FY15 budget process is in full swing.

"We are proactively working to minimize the effects of a budget landscape that is still focused on cutting," said Knotts. "The good news is that the budget deal that ended sequestration brings some stability, and federal research prior-

ities are very much in line with core and emerging strengths at Georgia Tech."

Each year, Georgia Tech, in coordination with other major research consortia, formally submits requests to members of the Georgia congressional delegation.

Requests ask the members of Congress to weigh in with the Appropriations Committees in support of federal programs that are important to Georgia Tech. In some cases, these initiatives are elevated by letters of support signed by members of Congress. Letters can be found at www.gov.gatech.edu.

BUDGET, continued on page 2

Multi-agency Research Themes Emerge

TERI NAGEL
GOVERNMENT AND COMMUNITY RELATIONS

As Congress mulls over agency allocations, Tech's federal relations director, Robert Knotts, has been encouraging the Tech community to explore research themes stemming from President Barack Obama's fiscal year 2015 budget.

"Expectations for award competitions are changing, and we are seeing an

RESEARCH, continued on page 2

Tech, Emory Students Launch Medical Technology Incubator

INSTITUTE COMMUNICATIONS

Georgia Tech students and engineers have teamed up with Emory students and clinicians to launch Forge, a technology incubator with a mission of developing medical entrepreneurs.

"We have incredible clinicians at Emory, brilliant engineers at Tech, and tremendous entrepreneurial resources through VentureLab, the Advanced Technology Development Center, and FlashPoint," said Erik Reinertsen, an M.D./Ph.D. student at Emory and Tech and managing director of Forge. "Atlanta will be a leader in this space."

Forge builds on a history of productive collaborations between clinicians and engineers in Atlanta, but with a human-centric focus.

"It's driven by the graduate and medical students," said Yogi Patel, a Ph.D. student in bioengineering. "We focus on startups, people, and learning through doing. Our colleagues in Silicon Valley and Boston have helped us understand that people are more important than specific technologies."

Forge aspires to bring other lessons learned from those colleagues into the Atlanta medical community.

"We hope to instill elements of the Silicon Valley culture into medicine: big vision, pay-it-forward mentorship, and a get-it-done attitude," said Evan McClure, an Emory M.D./MBA student and Forge director of finance and operations.

Forge has already hosted pitch nights, workshops, and networking events, and is planning its first Healthcare Hackathon for the fall, all with the aim of connecting innovators and clinicians to existing resources.

"Health care innovation in Atlanta is growing quickly but



Forge's Medicine 2.0 event hosted engineering undergraduate and graduate students from Georgia Tech to brainstorm, network, and envision the future of medicine with clinical faculty, fellows, residents, and medical students from the Emory University School of Medicine.

suffers from fragmentation," said Reinertsen.

Though graduate students and entrepreneurs are spearheading Forge — under the guidance of academic leadership from Emory and Tech — undergraduates, faculty, postdoctoral scholars, residents, and fellows are encouraged to participate.

c.gatech.edu/Q9Vxto

ARTS & CULTURE

February 28-May 16

Africa Atlanta 2014 presents the exhibit *Mapping Place: Africa Beyond Paper* at The Robert C. Williams Paper Museum.

www.africatatlanta.org

SEMINARS & LECTURES

May 13

The Integrated Cancer Research Center seminar series hosts Laising Yen, assistant professor at Baylor College of Medicine, who will discuss "Recurrent Fusion Genes in Ovarian Cancer."

www.ibt.gatech.edu/icrc-seminars

May 15

Professor Scott Hollister from the University of Michigan discusses "3D Printed Modular Scaffolds: From Concept to Clinic" at the Petit Institute Seminar. Room 1128, IBB Building, noon to 1 p.m.

www.ibt.gatech.edu/icrc-seminars

TRAINING

May 14

Environmental Health & Safety and the National Safety Council will offer a six-hour class in defensive driving. Participants are eligible to receive a discount on auto insurance in Georgia after completion. Call EHS at 404-385-0263 for more information.

www.trains.gatech.edu

May 20-21

The Georgia Tech student chapter of the American Society of Engineering Education will host this free workshop for graduate students in STEM to learn innovative teaching methods. Register at:

c.gatech.edu/1nJdVb6

May 22

This free class trains civilians to be on the lookout for suspicious activity and can enhance security. Participants will review pre-incident indicators, potential targets, threat tactics, and prevention strategies. Learn how to identify suspicious situations and who to report them to.

www.trains.gatech.edu

May 22

The Office of Emergency Preparedness hosts a class on hazardous waste. Attendees will gain a basic understanding of chemical, radiological, biological, and physical hazards on campus.

www.trains.gatech.edu

Events continued on page 3

Hooding Added to Commencement Weekend

Tech celebrated its 247th Commencement on campus May 3 - 4. For the first time, celebrations included a Ph.D. Hooding Ceremony, in which doctoral candidates were honored at a special event on May 2, prior to their participation in the Commencement ceremony with master's candidates on May 3. Around 3,000 students graduated during the weekend. More photos and videos are at c.gatech.edu/1urnJlu.



BUDGET, continued from page 1

Programmatic Requests

This year's programmatic requests that benefit a large population of campus include support for basic and applied research at the Department of Defense, the Defense Advanced Research Projects Agency (DARPA), the Department of Energy Office of Science, the National Science Foundation, the National Institutes of Health, the Pell Grant program, NASA Space Technology, and Advanced Research Projects Agency-Energy (ARPA-E).

Targeted Requests

Georgia Tech also submitted requests for

continued support for specific programs, including the Georgia Manufacturing Extension Partnership, the Procurement Assistance Center, and the Southeastern Trade Adjustment Center, all of which operate out of Tech's Enterprise Innovation Institute (EI2).

Additional requests were submitted for the Economic Development Administration (EDA) Technical Assistance Program and Regional Innovation Strategies Program; the Georgia Water Resources Institute; the Department of Education's Investing in Innovation Fund (i3), Effective Teaching and Learning; STEM, and First in the World Competition; Title VI of the Higher Education Act (supporting international education); the Food & Drug Administration

More Information

- More than 70 percent of Georgia Tech research was funded by the federal government in 2013.
- The future of congressional support for research and development is currently being shaped, and the stakes are high. Visit innovationdeficit.org.
- View additional documents related to this story at gov.gatech.edu.
- To learn more, contact Robert Knotts at knotts@gatech.edu.

Pediatric Device Consortia Grant Program; the AMAC assistive technology center; and the NASA National Space Grant College and Fellowship Program.

Sign Up for the D.C. Buzz

Interested in receiving weekly updates about Tech's work with the federal government? Sign up for the D.C. Buzz at

c.gatech.edu/1lCnJrG

Engage to Ensure Continued Support for Research

Knotts outlined Georgia Tech's goals and supporting activities for elevating Tech's profile among federal audiences. Among these include more proactive research development in collaboration with Tech's Interdisciplinary Research Institutes and targeting opportunities and submitting nomination letters for a Georgia Tech presence on federal advisory committees.

"We want the entire Georgia Tech community, regardless of department, to be engaged in Washington, D.C., whether through a scientific society or visits to build relationships with agency and congressional staff," said



Photo by Ellis Vener

Secretary of Energy Ernest Moniz speaks on campus during the 2014 Sam Nunn Policy Forum.

Knotts. "Our team is eager to collaborate and counsel our Georgia Tech colleagues on navigating the process."

THE Whistle
Georgia Tech's
Faculty/Staff Newspaper

Published biweekly throughout the academic year and the summer by Georgia Tech Institute Communications.

Editor: Michael Hagearty

Photos: Rob Felt or Fitrah Hamid unless noted

Calendar submissions emailed to editor@comm.gatech.edu, or faxed to 404-894-7214, must be sent at least 10 days prior to desired publication date. Classified submissions are on a first-come, first-served basis. For more information, call 404-385-8336.

Archived issues of *The Whistle* can be accessed at www.whistle.gatech.edu.

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DesRoches Named Faculty Athletics Representative

INSTITUTE COMMUNICATIONS

President G.P. “Bud” Peterson has named Civil and Environmental Engineering Professor and Chair Reginald DesRoches as Tech’s next faculty athletics representative (FAR) to the Athletic Association. Chemical and Biomolecular Engineering Professor Sue Ann Bidstrup Allen, who has served as the FAR since July 2009, will step down effective June 30.



DesRoches will serve as the liaison between the Institute and the Athletics Association on issues regarding rules compliance activities, new developments at the National Collegiate Athletic Association (NCAA), and activities related to the Atlantic Coast Conference (ACC) membership. For the past two years, DesRoches has been one of six faculty representatives on the Athletic Association’s Board of Trustees.

“Student-athletes have unique needs and challenges in successfully balancing their academic and athletic responsibilities,” Peterson said. “Reggie’s role is an essential part of maintaining an environment that fully supports our student-athletes, while

acting as an Institute representative with the NCAA and ACC.

“I also want to thank Sue Ann Allen for her years of commitment and exceptional service to both Georgia Tech and the Athletic Association.”

Athletics Director Mike Bobinski said, “Reggie brings great perspective from his service on the GTAA Board as well as a real appreciation for the role and value of intercollegiate athletics at an institution like Georgia Tech. I fully expect Reggie to be a strong voice in the ongoing development and administration of our athletics program and to have a similar impact in ACC governance matters.”

The FAR makes an annual presentation to the Faculty Executive Committee and Academic Senate on the status of the Institute’s intercollegiate athletics program, covering contributions to the educational mission of the Institute; statistical information on the academic performance of the participants in the programs; compliance with all institutional, conference, and NCAA regulations; and any matters of concern in the planning and implementation of athletic programs as they relate to the best interests of the Institute.

Since joining Tech’s faculty in 1998, DesRoches has pursued research interests in the design of buildings and critical infrastructure subjected to extreme loads, seismic risk assessment of transportation systems, and application of smart materials in seismic-resistant design and retrofit. He has a particular interest in mitigating the impacts of earthquakes in the Caribbean and western

Primary Responsibilities of the Faculty Athletics Representative

- Representing the Institute as the FAR with the ACC and the NCAA.
- Serving as vice chair of the Georgia Tech Athletic Association (GTAA) Board of Trustees and as vice chair of the Alexander-Tharp Fund Board of Directors.
- Serving as senior advisor outside of the athletics department to Tech’s president on matters related to intercollegiate athletics.
- Recommending and formulating institutional positions, along with the athletics director, on NCAA legislation and other matters affecting or related to intercollegiate athletics on campus.
- Serving as a member of the Institute Admissions Appeals Committee (IAAC) and the GTAA Academic Committee.
- Serving as chair of both the Student-Athlete Grievance Committee and the New Transfer Appeals Committee.
- Serving as a member of Tech’s NCAA Eligibility Certification Team, primarily responsible for evaluating the processes used.

Africa. He was named Karen and John Huff School Chair of Civil and Environmental Engineering in 2012.

c.gatech.edu/1np18rV

FACULTY NEWS

Kurtis Named New Associate Dean in Engineering

Kimberly E. Kurtis a professor in the School of Civil and Environmental Engineering and its associate chair for graduate programs, was named the new associate dean for faculty development and scholarship. She will oversee the implementation of college-wide programs that help faculty advance in their professional careers.



c.gatech.edu/1iB2JLN

Lipton Elected Fellow of American Academy of Arts and Sciences

Richard Lipton, professor and the Frederick G. Storey Chair in Computing in the School of Interactive Computing, was elected as a fellow of the American Academy of Arts and Sciences. He joins College of Computing Dean Zvi Galil, elected in 2005, as the College’s second fellow.



c.gatech.edu/QVTkTf

Pishdad-Bozorgi Earns National Award for Teaching Excellence

Assistant Professor Pardis Pishdad-Bozorgi in the School of Building Construction was awarded the Associated Schools of Construction (ASC) National Teaching Award, given annually through a national selection process to one tenure-track faculty member from a four-year ASC school.



c.gatech.edu/1nR6rD6

School of Public Policy Names New Chair

The School of Public Policy has selected Kaye Husbands Fealing as its next chair, effective July 1. Husbands Fealing comes to Tech from the Hubert H. Humphrey School of Public Affairs at the University of Minnesota. She is an economist with expertise in international trade policy; science, technology, and innovation policy in specific contexts; and knowledge generation and the development of networks.

c.gatech.edu/1kiUzN9

Two Professors Named Georgia Author of the Year Finalists

The School of Electrical and Computer Engineering’s John Cressler and the School of Literature, Media, and Communication’s Robert Wood have been named finalists for Georgia Author of the Year awards. Cressler’s honor comes for his first novel, *Emeralds of the Alhambra*, and Wood’s for his poetry work, *The Awkward Poses of Others*.

c.gatech.edu/1j0br0g

Obama to Name El-Sayed to President’s Committee on National Medal of Science

The White House announced that President Barack Obama intends to name Mostafa El-Sayed, Regents Professor and Julius Brown Chair in chemistry and biochemistry, to the President’s Committee on the National Medal of Science. The appointment is for three years. El-Sayed earned the National Medal of Science himself in 2007.



c.gatech.edu/Qe3gqd

EVENTS

MISCELLANEOUS

May 12

First day of full and short summer class sessions.

www.registrar.gatech.edu

May 13

The Georgia Tech Alumni Association will host its Career Fair at the Cobb Galleria Center.

www.gtalumni.org/careerfair

May 13

Georgia Tech Strategic Consulting hosts a Project Management Networking Forum. The forum will allow attendees to discuss how they plan, manage, and execute projects.

RSVP at:

q.gatech.edu/gtpmnf

May 14

President Bud Peterson will hold his annual staff town hall at 11 a.m. in Room 152, Clough Commons.

www.president.gatech.edu

May 15

The Georgia Tech Chapter of the International Association of Administrative Professionals will host an education seminar on “Constructing Your Future: Career Progression” at the GTRI Conference Center. Register at:

iaapgeorgiatech.eventbrite.com

May 16

Bike to Work Day is part of National Bike Month, and Bike GT will host an event for those who cycle to work on this day. More information is available at:

c.gatech.edu/1fEQEVs

May 22

General Motors will host a “GM Experience” event, where Georgia Tech students, staff, and faculty can test drive the different GM models. All drivers must present a valid driver’s license to participate. No pre-registration is required.

May 26

Campus will close to observe Memorial Day.

May 27

The Office of Human Resources will host the latest in its Be Well Series with “Oral Health with Delta Dental and Tech Dentistry” at 12:15 p.m. in the Student Center Theater.

www.ohr.gatech.edu/bewell

June 3–4

Bioengineering and Bioscience Unified Graduate Students (BUGS) hosts training seminars and hands-on workshops on laboratory techniques, software analysis, and scientific communication for graduate students and postdoctoral fellows in bioengineering and bioscience research fields.

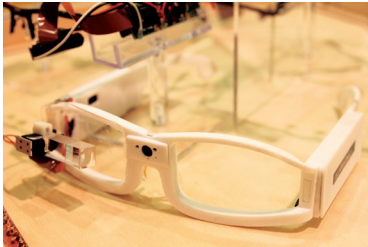
www.techniques.gatech.edu

June 16

Final exams begin for Early Short Summer Session.

www.registrar.gatech.edu

For a more comprehensive listing of events updated daily, visit calendar.gatech.edu



The Path Toward a Consumer Wearable Computer

Starner, Zeagler Curate Interactive Exhibit at CHI Conference in Toronto

COLLEGE OF COMPUTING

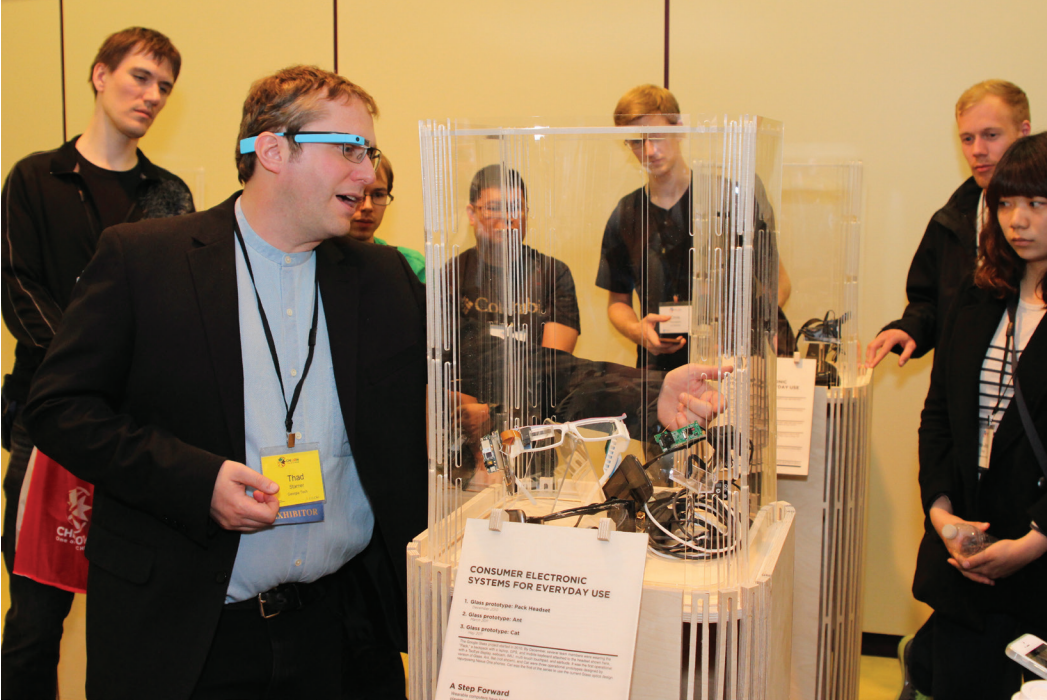
A history of wearable computing research came to life at CHI2014 with the Wearable Computing Exhibit, curated by Thad Starner, a pioneer in the field, and Clint Zeagler, a research scientist in the School of Industrial Design. The interactive exhibit displayed prototypes, devised by Starner's research teams, showcasing the strides made in wearable computing and the evolution of electronic textiles, advances in battery life, on-body interfaces, and head-mounted displays.

Thad Starner, a technical lead on Google Glass and professor in Tech's School of Interactive Computing, envisioned a wearable computing world and lived it decades before the technology became a commercial reality.

Starner has worn the prototype of what would eventually become Google Glass since his early research in the 1990s. Starner is now advancing the research adoption of his lifelong professional work in wearable computing by enabling researchers nationwide to develop applications for Google Glass.

See an online version of the exhibit at:

wcc.gatech.edu/exhibition



Photos by Joshua Preston/GVU Center

(Top) Wearable computing prototypes on display at the CHI2014 conference. The top left, Lizzy 2, was developed by Starner.

(Above) Thad Starner, pictured wearing Google Glass, talks with attendees at the exhibit in Toronto.

(Right) Clint Zeagler (right), research scientist in the School of Industrial Design, discusses the exhibit with Vassar College's Greg Priest-Dorman.



Governor Recognizes Stamps Staff during National Nurses Week



Governor Nathan Deal visited with the staff of Georgia Tech Stamps Health Services on Wednesday, May 7, in recognition of National Nurses Week. (Pictured L-R: Melanie Thomas, Debbie Spillers, Shan Baker, Denise Fair, Governor Nathan Deal, Pepe Bowman, Paula Gaffney, Kim Bell, Barrie Fogg)

Remembering Mike Stilman

Assistant Professor Mike Stilman, recognized as an emerging leader in humanoid robotics research, died following an apparent accident at his Atlanta home on Tuesday, May 6.

Stilman, who was recently awarded tenure and scheduled to be promoted to associate professor effective Aug. 16, joined the Georgia Tech faculty in 2008 after receiving his Ph.D. in robotics from the Robotics Institute at Carnegie Mellon University.

"We are stunned by this news about our colleague and friend Mike," said Annie Antón, professor and chair of the School of Interactive Computing. "His promise as a brilliant young researcher was shown this year by his promotion to a tenured position and his winning of a prestigious institute-wide teaching award. This is a loss from which we will not easily recover."



Stillman and Golem Krang, a humanoid robot built in his lab.

c.gatech.edu/1mCVNQY

CLASSIFIEDS

AUTOMOBILES

1996 4WD metallic blue RAV 4 four-door, very good condition, 92,000 miles. Includes custom stainless steel bumper and heavy-duty roof rack. Great for off-roading. Handles well on ice and snow. Asking \$3,900. Call 678-995-5067.

2002 Mazda Protégé 5. Blue. One owner, 206,388 miles, all maintenance up to date. Power steering, four-door hatchback, FWD, power windows/door locks. \$3,300 OBO. Call 678-701-7202 or email ingacurly2@gmail.com.

2002 S430 Mercedes, black interior and black exterior with moonroof. \$7,599. For more information, call 404-213-4353.

2006 Honda Civic Coupe, EX, low mileage, sunroof, manual, excellent condition, shaw5009@comcast.net.

2007 Lexus ES 350, blue, four-door, six-cylinder sedan. 96,000 miles. Always garaged, excellent condition, sunroof, leather interior, steering wheel audio controls, vehicle stability assist, and anti-lock brakes. \$15,250. Call 404-983-6108.

REAL ESTATE/ ROOMMATES

Wanted: Single bedroom apartment near MARTA station from May 1 to June 30, 2014. Email lshwar@iimb.ernet.in.

Furnished room with king or queen available, large 4BR/3.5BA home in west Cobb. 7 mi from Tech. Washer/dryer/stainless steel appliances, hardwood flooring. Clubhouse, pool, hiking trails, horseback riding. \$650 plus utilities. Available March 1 for a six- or 12-month lease. Email dlgray2000@yahoo.com

MISCELLANEOUS

Tube televisions for sale. Two 27 in., \$25 each, and one 20 in., \$10. Contact michael.gray@me.gatech.edu.

Adopt a Tech kitten or cat. All are spayed/neutered with some shots. Reduced adoption fees for employees, students, and affiliates. Contact www.krazyaboutkats.com, jgiles@cc.gatech.edu, or marilyn.smith@ae.gatech.edu.

Top-quality hickory furniture for sale in mint condition. Beautiful oval mahogany dining table with six chairs. Includes pad for table. \$300. Matching mahogany sideboard. Lots of room for storage. \$200. Call 404-248-0645 or email staruna@yahoo.com.

Almost new Kate Spade hard shell case for iPhone 4 and 4S, black with white polka dots on back and hot pink and black on sides. No scratches. \$20. Email akpavlik@gmail.com.

Brand New Schwinn Women's Ranger 26" Mountain Bike. Has 21 gears, Shimano derailleur for easy uphill rides and linear pull brakes for easy stopping. Bike retails for \$190.00 will sell for \$170.00. Email kasjda@hotmail.com.

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.