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THE WHISTLE

FACULTY/STAFF NEWSPAPER

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THE GEORGIA INSTITUTE OF TECHNOLOGY

Thompson retires with 40 years in higher education

Tech President G. Wayne Clough announced last week that Executive Vice President for Administration and Finance Robert K. Thompson will retire, effective April 1.

"Bob has made an extraordinary contribution to the transformation of Georgia Tech into one of our nation's leading universities," Clough said. "During his tenure Bob's innovative leadership was critical to successfully completing more than \$1 billion worth of construction and development projects on campus. He also modernized our administrative systems and processes in ways that made the campus much more efficient and customer-friendly."

"My 13-plus years at Georgia Tech have been the highlight of my 40-year career in



Robert Thompson

Thompson continued, page 3

Editor addresses Tech



The Institute and Finding Common Ground, a Student Affairs organization that seeks to ensure as many diverse voices as possible are included in an ongoing campus dialogue, welcomed Ken Paulson, editor and senior vice president of USA Today and USA Today.com, to Tech on Feb. 20. A First Amendment expert, he spoke on the importance of acquiring information today in "Rebooting America: News for a New Generation" at the Ferst Center for the Arts. For more information, visit www.fcg.gatech.edu.

CATEA helping to make subjects more accessible

Robert Nesmith
Communications
& Marketing

It's an unfortunate trend. Physically disabled students tend to opt out of science and math classes at the secondary and post-secondary level, limiting their career options. While the Center for Assistive Technology and Environmental Access (CATEA) usually works directly with the intended group, through a National Science Foundation grant the Center is providing indirect help to these students.

SciTrain, located on CATEA's Web site, is an online instructional toolset for helping high school educators reach all students—including those with and without disabilities. The program is a collaborative effort between CATEA and the Center for Education Integrating Science, Mathematics and Computing (CEISMIC).

SciTrain continued, page 2

Alumni Association centennial highlights Tech and its people

Robert Nesmith
Communications
& Marketing

Awoman, speaking in a slight German accent, tells how her life and the world changed following the 1914 assassination of the archduke of Austria. A man remembers visiting London's Parliament in 1951 when he was 15 and seeing Winston Churchill in action. Yet another speaks about how she was part of the minority groundswell at Georgia Tech in the 1970s, then graduated with high honors.

Each of these varied individuals—Ann Marie Eaton, John Endicott and Patrise Perkins-Hooker—share a common thread: As Tech alumni, their stories are featured prominently as the Alumni Association celebrates its centennial.



The Centennial Series podcasts are taken from video interviews shot during the last 13 years of alumni giving first-hand accounts of their lives. While described by Living History director Marilyn Somers as a "work in progress," over the next year 52 of these

ing first-hand accounts of their lives. While described by Living History director Marilyn Somers as a "work in progress," over the next year 52 of these

Podcasts continued, page 3

Technology brings nanoparticles into focus

Megan McRaney
Communications
& Marketing

Tech and Emory University researchers have found that techniques for differentiating the largest of objects also work on the completely opposite scale.

Scientists can now tag single molecules with nanoprobes, particles specially designed to bind with a certain type of cell or molecule and illuminate when a specified target is found. The clearer images allow researchers to collect more detailed information about the molecule, such as its binding in a gene sequence, taking scientists a few steps closer to truly personalized and predictive medicine, as well as more complex biomolecular structural mapping.

While pondering the challenges of distinguishing one probe image from another in a mass of hundreds or thousands of nanoprobes, researchers made an interesting observation. The tiny, clustered dots of light looked a lot like a starry sky on a clear night.

The biomedical researchers realized that astronomers had already made great strides in solving a problem very similar to their own—isolating and analyzing one dot



Biomedical Engineering and Chemistry Professor Shuming Nie, superimposed on a dual-color image of red and green nanoparticles in the presence of a cancer gene sequence clarified by new Georgia Tech and Emory technology.

(in their case a star) in a crowded field of light. They hypothesized that a computer system designed for stellar photometry, a branch of astronomy focused on measuring the brightness of stars, could hold the solution to their problem.

Researchers have now created technology

Nanoprobes continued, page 3

QUOTE UNQUOTE

"It's a big victory for the consumer. This will lead to a much richer experience for viewers. When people have these higher-end screens at home, they take great pleasure in them, and this will push ahead the delivery (of movies) in high-definition."

—Janet Murray, director of Graduate Studies for the School of Literature, Communication and Culture, on last week's announcement that Blu-ray DVDs will be the sole disc-based medium for delivering consumers high-definition movies. (Reuters)

Clarification

Last week's article on creation of the Integrative BioSystems Institute neglected to mention the new institute is a collaboration between the Colleges of Science, Engineering and Computing. The Whistle regrets the omission.

SciTrain, cont'd from page 1

"We find these students often opt out of science and math classes (in higher education)," said Robert Todd, CATEA director of Information Technology. "The long-term effect is you have more people with disabilities not going into science, math and technology careers."

With SciTrain, CATEA created all-online materials, along with teleconferences and calls. "All materials will be online and accessible—even for teachers with disabilities," he said.

Using STEM (Science, Technology, Engineering and Mathematics) funds from NSF, the program works with teachers, rather than students directly, which places the grant in a unique light. "(The NSF) normally only provides funds if the study directly reaches the (intended) population," Todd said.

Adhering to Universal Design principles, the modules show teachers how to give all students access to the information simultaneously. "In public schools, there's a push to mainstream students with disabilities," he said. "These students will be tested along with others as part of the No Child Left Behind program."

CATEA's online material is available to any teacher at any time, provided they have access to a Web browser. The modules contain units on Universal Design, Disability Laws, Vision, Hearing, ADHD and Mobility through three tiers: Accessible Science, Accessible Math and Accessible Computing. Educators can move through these modules, having access to resources and activities at their fingertips to help them understand what needs their students have. CATEA developed the course from the ground up.

"There is nothing like this online," Todd said, adding that it took a year just to develop the modules. CATEA had to dig for the information, as no dedicated source existed that had it all in one place. Everything on the site is built upon research both the center and others have done. "Even if we get the initial information somewhere else, we're expanding on it and making it our own."

In SciTrain's first year, Todd and his staff held focus groups with teachers from roughly 12 Cobb County high schools. CATEA started testing the program with teachers in January. "Teachers (kept) logs on how this will improve—or will not improve—their classrooms." Preliminary results will be available in the coming weeks.

"It's hard to (gain access to) schools and get teachers—who are already overwhelmed—to respond to surveys and ideas," he said. Fortunately, the center already had a good relationship with George Stickel, science coordinator for Cobb County Schools, grades six through 12. "He (Stickel) is very interested in reaching all the (system's) kids, not just some of them," Todd said.

"They have a good structure in Cobb for students with accessibility issues," Todd says, in part because the county has a fairly large number of students with disabilities. Because of this access, CATEA was able to hold focus groups with teachers and conduct surveys. "We added the ADHD component because of their survey."

In October, the center held focus groups with educators, asking "What would be the perfect classroom situation?" and "What is it like now?" Then CATEA invited the teachers to help them get from one to the other.

"We asked how they would approach it," he said. "We found out from them what is really (able to be done). For instance, we learned that teachers are not really comfortable with the 'fancier' assistive technologies. It's frustrating to locate it, and it's frustrating for them to procure it." This is compounded because educators said the learning curve to use it may be steep, and afterwards there may not be enough of a need for continued use of the learning tool, requiring teachers to relearn it.

"We want to help them find (what they need), use it and archive the information so they can reuse it easily," Todd said. "Educators are surprised that someone is interested

in their concerns; that we were engaging them in focus groups and wanted to know what they needed. They were interested in something practical and not just 'ivory tower' research. They were interested in implementation."

Six teachers evaluated CATEA's entire Accessible Science Classrooms module, which was completed in January. Todd and his staff are now going over the results, to see what respondents thought worked and what did not. The Accessible Math and Accessible

Computing subject areas are still under construction, but will be completed soon.

These educators kept a log on what accommodation issues come up in the classroom. "This is the type of research that hardly gets done—real, applied research in the classroom," Todd said.

In addition to taking metrics from local educators, CATEA in January also completed a longitudinal survey of 250 high school teachers from across the country who have made accommodations in their classrooms. "We asked 'What have you done in the past, how comfortable were you with it and how successful was it,'" Todd said. "We want a better

understanding of what really helps the teachers in the classroom."

For McEachern High School teacher Gerald Climmons, the overall process has been positive.

"I have discovered that there are so many more strategies teachers can utilize to assist in the teaching and learning process as it relates to students with disabilities," Climmons said. "(SciTrain) has made me more aware and sensitive to the needs of all my students and not take for granted that all students learn differently. I have changed my lesson plans and teaching methods many more times than usual in order to accommodate students with physical, emotional or behavioral and psychological disabilities."

The result of a three-year, \$300,000 total grant, SciTrain has just started its second year. Funding ends Sept. 30, 2009, and Todd characterizes CATEA's progress as "ahead of schedule." He added, "We're further in the first year than others who receive grants."

The center's Georgia Tech Research on Accessible Distance Education (GRADE) project, a concurrent initiative, led to SciTrain. Todd spoke with college educators on how to make distance education more accessible. "By doing this research, I found science and math (for these students) were lacking," Todd said, referring to research data from 2004 and 2005. "They were going into more business and liberal arts majors, so I thought we should hit the students earlier." And prior to developing SciTrain, CATEA had just completed a grant working on an online disability module on accessibility laws. "We figured the time was right," he said. In turn, CATEA will use the metric information procured from SciTrain to update GRADE.

For the immediate future, CATEA will complete checking the longitudinal study's results. When the math module is finished across all assistive categories, then they'll work on the computer science courses. The center is also putting together a 90-minute Web training session for teachers, to be held in fall and spring. "(The session) will leave a good deal of time for them to ask questions."

Paul Ohme, director of CEISMC, is the principal investigator of the NSF grant, and Todd is the co-principal investigator. Tom McKlin of CEISMC is the chief evaluator, and CATEA's Web developer Melissa McAvoy, along with two graduate students, round out the group working on the SciTrain project.

Through the Regional Alliance for Mathematics and Science Education, Todd hopes to get SciTrain distributed nationally, and he will debut the program this summer at a conference in Austria.



For more information...

**Center for Assistive Technology
and Environmental Access**

www.catea.org

**Georgia
Tech**



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385-4142.

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

Thompson, cont'd from page 1

higher education," Thompson said. "I am forever grateful to Dr. Clough for this opportunity to help move Georgia Tech from good to great under his leadership. I am very proud of the outstanding leadership team I assembled in Administration and Finance, and am confident in their ability to continue helping Georgia Tech move forward. I also want to thank the many students, faculty, staff, alumni and friends of Georgia Tech for their support over these wonderful years."

Thompson joined Georgia Tech in 1995 from the University of Washington. He will be succeeded by Steven G. Swant, vice president for Administration and Finance.



Steven Swant

"Steve brings a history of experience at top institutions with previous employment at UCLA and the University of Washington, in addition to his 12 years at Georgia Tech," Clough stated. "He understands fully what it takes to be a first-rate university, knows how to handle the complex demands of the position and will provide the leadership and continuity the Institute requires as we look to the challenges that lie ahead."

Swant has been responsible for the Institute's operating and capital budget development and administration, institutional research, and strategic planning since 1996. His duties as Thompson's chief deputy were added in 2006 when he was appointed to the vice president position.

For more information...

Administration and Finance
www.admin-fin.gatech.edu

Podcasts, cont'd from page 1

stories—one a week—will be featured in podcast form. She modeled the series after National Public Radio's StoryCorps.

"I wanted to mix the voices to provide a different point of view," Somers said. "Old and new, male and female, minority and majority, (they all) help showcase the varied history of Georgia Tech." One of her more recent interviews is that of a man who enlisted in the Army after his 2003 graduation as a result of the 9/11 attacks. He is now with the 75th Ranger regiment as a special operations soldier.

The interviews, ranging from 3 1/2 to 5 1/2 minutes, provide "little glimpses of Georgia Tech history and (its alumni's) impact on history." As the vignettes are not necessarily germane to the centennial celebration, Somers will select and edit these interviews for downloading from the association's Web site or for podcasting this year. "If it's successful, then maybe we'll continue after this year is over." These first-person accounts eventually will also go online in the library's SMARTech archive.

Somers started with the "very old" stories and those that are 50 years out. "For example, this year is the class of '58 reunion, so I will interview 10 or 12 people from that class." She describes the program as not only about the history of the school, but that of the region, Atlanta and the state. One interview is with the daughter of H.L. Smith, Tech's first graduate who received his degree in 1890, two years after the Institute first opened.

Another "class" of individuals interviewed are described as "Captains of Industry," including the late Garry Betty, founder of Earthlink. Yet another group is "Leaders," those who went on to positions of prominence in government. Other initiatives include chronicling hundreds of World War II accounts through Tech alumni, as well as those who portrayed Buzz through the years.

The collection currently numbers 672 interviews and continues to grow. In February, Somers was on the road in Tennessee, interviewing seven to eight alumni. Through the association, Somers has her own videographer, Scott Dinerman (a 2003 Tech graduate), and a bevy of student interns hired to assist with time-coding and editing. The podcasts are available on iTunes, Yahoo! and Zune Web sites.

Somers has directed the Living History Program with the Alumni Association since 1994, and has seeded the alumni-interviewing programs in other colleges and universities.

"There really is an unlimited supply of these," Somers said. "Everybody has a story."

For more information...

Alumni Association's Century of Impact
www.centennial.gtalumni.org

Nanoprobos, cont'd from page 1

based on stellar photometry software that provides more precise images of single molecules tagged with nanoprobos. In addition to biomedical applications, the system could be used to clarify other types of nanoparticle probes, including tagged particles or molecules. The research is detailed in last week's online Early Edition of the Proceedings of the National Academy of Sciences (PNAS).

"This PNAS paper is only a start, but I expect that innovative computing and data processing will be increasingly used to reveal detailed and quantitative features not currently available to biomedical researchers," said May Wang, an assistant professor in the Wallace H. Coulter Department of Biomedical Engineering at Georgia Tech and Emory University.

"This work is pointing to a new era in light microscopy in which single-molecule detection is achieved at nanometer resolution," said Shuming Nie, a professor of Biomedical Engineering and Chemistry and also the

director of the Emory-Georgia Tech Cancer Nanotechnology Center. "This is also an example of interdisciplinary research in which advanced computing meets nanotechnology. I envision major applications not only for single-molecule imaging, but also for ultrasensitive medical diagnostics."

Because scientists frequently use several different colors of nanoprobos to color code genes and proteins, a blended color dot is a common challenge when analyzing images.

"We had no way of knowing for sure if we were looking at one molecule or two or three molecules very near one another," said Wang. "This system allows us to collect quantitative data and prove—not hypothesize—how genes are behaving."

The researchers pursued their stellar photometry idea by adapting DAOPHOT, a program written by Peter Stetson at the Dominion Astrophysical

Observatory designed to handle crowded fields of stars.

The team adapted the program and used color-coded nanoparticles, allowing routine super-resolution imaging at 1-nanometer resolution.

Compared to other single-molecule imaging methods, the Georgia Tech and Emory system allows for higher-speed detection involving larger sample volumes.

Collaborators on the project include Amit

Agrawal and Geoffrey Wang from the Departments of Biomedical Engineering and Chemistry at Emory and Georgia Tech, and Rajesh Deo from the Department of Physics and Astronomy at Georgia State University. Research was funded by the National Institutes of Health, the Department of Energy Genomes to Life Program and the Georgia Cancer Coalition. Computer support was also provided by Microsoft and Hewlett-Packard.

For more information...

**Wallace H. Coulter
Department of
Biomedical Engineering
at Georgia Tech and
Emory University**
www.bme.gatech.edu

IN BRIEF:

Professor testifies before House

Nancey Green Leigh, a professor of City and Regional Planning in the College of Architecture, testified before the U.S. House of Representatives Committee on Transportation and Infrastructure, Subcommittee on Water Resources and Environment, on Feb. 14.

Her remarks focused on the unintended consequences of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), and how brownfields affect prospects for urban revitalization. For more information, visit www.coa.gatech.edu. To listen to her testimony, visit <http://transportation.house.gov>.

Goodman addresses AAAS center

Seymour Goodman, professor of International Affairs and Computing and recent chair of the National Research Council's Committee on Improving Cybersecurity Research in the U.S., addressed the American Association for the Advancement of Science's Center for Science, Technology and Security Policy at the Cannon House Office Building on Feb. 14.

His presentation focused on international and domestic defenses against cyber attacks, particularly in relationship to dependence on the Internet and other Internet-like networks. He highlighted trends and deficiencies and provided examples of interventions.

For more information, visit www.aaas.org and www.inta.gatech.edu.

Chemistry professors win award

The American Chemical Society (ACS) awarded School of Chemistry and Biochemistry Assistant Professors Wendy Kelly and Christine Payne an ACS PROGRESS/Dreyfus Lectureship.

One of 20 given a year, the lectureship provides support for recognized academic women scientists and engineers to present their work at leading research institutions. The program is a joint award from ACS and the Camille and Henry Dreyfus Foundation. For more information, visit www.chemistry.gatech.edu.

Ryherd among 'New Faces'

The American Society of Heating, Refrigeration and Air-Conditioning Engineers has nominated Mechanical Engineering Assistant Professor Erica Ryherd to be recognized as one of the New Faces of Engineering, as part of Engineers Week 2008 (Feb. 17–23). She is one of only five engineers nominated by the society.

Ryherd's areas of research include acoustics and dynamics, noise control, architectural acoustics and healthcare soundscapes.

The National Engineers Week Foundation asks its members each year to nominate colleagues 30 years old or younger who have shown outstanding abilities and leadership. For more information, visit www.me.gatech.edu.

Tech snow photos



Photos of the January snows taken by members of the Georgia Tech community are available for viewing online. Visit

www.gatech.edu/gallery/v/events for a look at Atlanta's recent snowfall, both on and off campus. The snow-covered table, above, was taken in Alpharetta by Electrical and Computer Engineering Professor Nikil Jayant.

CAMPUS EVENTS

Arts & Culture

Feb. 26

The Georgia Tech Symphonic Band will perform at the Ferst Center for the Arts at 8 p.m. For more information, visit www.coa.gatech.edu.

The Science Fiction Film Series continues, with Ridley Scott's "Alien" (1979), from 7 to 9 p.m. in the Library East Commons area. For more information, visit www.lcc.gatech.edu.

March 14

The Ferst Center for the Arts presents Chinese pianist Yundi Li, at 8 p.m. Tickets are \$20 to \$45 (\$24 to \$32 with subscription). For more information, visit www.ferstcenter.gatech.edu.

Conferences & Lectures

Feb. 26

Brigham Young University Mechanical Engineering Professor Brent Adams presents "High-Resolution Orientation Imaging Microscopy: Obstacles and Innovations," from 3 to 4 p.m. in room 183 of the Love Building. For more information, visit www.mse.gatech.edu.

Scripps Research Institute Professor M.G. Finn presents "Tailoring Viruses as Polyvalent Scaffolds," from 3 to 4 p.m. in room G011 of the MS&E Building. For more information, visit www.chemistry.gatech.edu.

Philippe Ardanaz, consul general of the French Consulate in Atlanta, presents "Europe on the Eve of the French Presidency of the European Union," from noon to 1:30 p.m. in the Wardlaw Center's Gordy Room. For more information, visit www.inta.gatech.edu.

Feb. 27

Lorenc + Yoo Design founders Jan Lorenc and Chung Yoo present "Crossing Boundaries in Design: Alternative Careers in Design," from 6 to 7 p.m. in room 1116W of the Klaus Advanced Computing Building. For more information, visit www.coa.gatech.edu.

Engineering Psychology graduate student Anne Adams presents "Task Analyses and Theories of Skill Acquisition," part of the School of Psychology's Brown Bag lectures on Cognitive Aging, from noon to 1 p.m. in room 217 of the J.S. Coon Building. For more information, visit www.psychology.gatech.edu.

As part of the IMPACT Speaker Series, Kenneth Byers, president of Byers Engineering Co., from

4:30 to 5:30 p.m. at the LeCraw Auditorium in the Management Building. For more information, visit www.mgt.gatech.edu.

Eli Rothenberg, with the Department of Physics at the University of Illinois, Urbana, presents "Exploring the Mechanisms of DNA Replication and Repair Proteins Through Single-Molecule Analysis," at 3 p.m. in Howey lecture room 5. For more information, visit www.physics.gatech.edu.

Feb. 28

Writer and reporter David Tereshchuk presents "The Rosewood Massacre: Reconstructing a Cold Case File," from 4 to 5:30 p.m. in the Neely Room of the Tech Library. The seminar, sponsored by the School of History, Technology and Society, is part of Black History Month. For more information, visit www.hts.gatech.edu.

The College of Architecture Research Forum continues with City and Regional Planning Associate Professor Dan Immergluck, who presents "A Look at the U.S. Mortgage Crisis: Implications for Housing Markets and Communities," from 11 a.m. to noon, in the Architecture Library. For more information, visit www.coa.gatech.edu.

University of Washington Professor David Ginger presents "Probing Polymer Photovoltaics: From Nanoscale Film Morphology to Near-field Photonics," from 3 to 4 p.m., in room G011 of the MS&E Building. For more information, visit www.chemistry.gatech.edu.

School of Public Policy Professor Susan Herbst, executive vice chancellor of the Board of Regents of the University System of Georgia, presents "The Nature and Uses of Public Opinion," from 11 a.m. to noon in the Crescent Room, of the Student Center Commons. For more information, visit www.spp.gatech.edu.

March 6

The Wallace H. Coulter Department of Biomedical Engineering at Georgia Tech and Emory University celebrates its 10th anniversary, from 8 a.m. to 2 p.m. in the Cox Hall Ballroom at Emory. For more information, visit www.bme.gatech.edu.

Faculty/Staff Development

Ongoing

The Office of Organizational Development offers a Web-based tutorial on the basics of using a state purchasing card (p-card). To register, visit www.trainsweb.gatech.edu.

The Georgia Tech Faculty Women's Club offers

scholarships for undergraduate students who are children of faculty members. Scholarship amounts range from \$500 to \$1,500. Applications are due by March 1. For more information, visit www.gtfwc.gatech.edu.

The Office of Organizational Development offers an Emergency Preparedness Certificate, which consists of several smaller courses, including "Fire Safety," "Facilities Hazard Training" and "Basic First Aid/Adult CPR/AED." For more information on scheduling, visit www.orgdev.gatech.edu.

Feb. 27

The last day for students to register for the Undergraduate Research Spring Symposium 2008, which will be held April 3 in the Student Center Ballroom. Undergraduate researchers will have a forum in which to present and share their works with other students and faculty. For more information, visit www.undergradresearch.gatech.edu.

March 6

The Office of Human Resources offers two seminars on Social Security and retirement benefits in room 117 of the Student Services Building. Eileen Salowitz from the Social Security Administration presents "Making Sense of Social Security," from 1:30 to 2:30 p.m., and Benefits Manager Linda Mitchell will speak on Tech's retirement benefits from 2:45 to 3:45 p.m. For more information, visit www.trainsweb.gatech.edu.

March 13

Both Teacher's Retirement System (TRS) benefits and optional and supplemental retirement benefits will be discussed in room 117 of the Student Services Building. Mike Zarem from TRS will speak from 1:30 to 2:30 p.m. and Jeff Juday from Fidelity Investments will speak from 2:45 to 3:45 p.m. For more information, visit www.trainsweb.gatech.edu.

Miscellaneous

Feb. 29

Former Cincinnati Mayor and current TV host Jerry Springer will speak about the truth behind reality TV at 8 p.m. in the Ferst Center for the Arts. Tickets are free with a Buzzcard. For more information, visit www.fun.gatech.edu.

March 6

School of Public Policy Associate Professor Roberta M. Berry will sign copies of her newest book, "The Ethics of Genetic Engineering," from 5:30 to 6:30 p.m. in the Georgia Tech Bookstore. For more information, visit www.gatech.bncollege.com.

CLASSIFIEDS

AUTOMOBILES

1999 Oldsmobile Alero GLS. Green exterior with tan leather seats, V6, 96,450 miles, alloy wheels, sunroof, spoiler. \$3,900. Pics avail. 678-850-5841 or 678-850-5601.

REAL ESTATE/ROOMMATES

1BR/1BA apt. in Home Park available. Off-street parking, ADT security, lots of storage space, washer/dryer, central heat/AC. Perfect for one or a couple. No pets. \$675 + deposit. 404-512-4618.

3BR/2BA home on Panola Road, near Publix/Walmart, 1/8 mile from I-20. BR w/ private BA, cable, \$475. Access to kitchen, laundry room, dining

room. \$400 deposit, non-smoker. Call 770-593-2527.

2BR/1BA loft, downtown, close to 5 Points, Phillips/CNN. Granite counters, concrete floors, balcony, in-building parking, common area roof-top deck. March 2008 move in. \$1,200 + deposit and credit check. E-mail Anika at anika.harris@gtri.gatech.edu for info/pics.

3BR/ 2.5 BA 2-story Smyrna townhome, 10 miles from GT, \$219,900, hardwoods on main, 1,800-sq-ft, built 2005, w/d & stainless steel appliances stay, mls 2313966. Call 678-631-1750.

4BR/3BA renovated house for rent in Howell Station.

Hardwoods, vaulted ceilings, appliances incl. \$2,000/mo. Info at www.1251NilesAve.com. Call 404-808-8483.

SPORTS/FITNESS/RECREATION

Mountain bike: Diamondback 21-speed, aluminum frame, \$75. E-mail jim.cook@gtri.gatech.edu.

New cross-country skis, boots and poles. \$100 OBO. Pics on Craig's list, No. 528243989. Call 770-378-0678.

FURNITURE/APPLIANCES

Sleeper sofa—free! You come and take it away. Broyhill, good condition (couple of scratched spots), non-smoking

home. Very comfortable, very solid. 86" by 38". E-mail robert.todd@coa.gatech.edu.

3-piece sectional sofa: \$1,100. Sleeper sofa, 2 recliners, and wedge. Microsuede, fabric protection, 2 yrs. old, pics avail. E-mail capGT@gatech.edu or call 404-295-0008.

Pull-out couch, queen-sized bed, 2 chairs, ottoman, green. Pix available, \$450 OBO. Call 404-894-1028 or e-mail robert.gregor@ap.gatech.edu.

MISCELLANEOUS

Unused CCT 31-day express round-trip bus pass. \$75. E-mail lynn.fenster@library.gatech.edu.

Nikon professional camera outfit: F3 with high-point finder, MD-4 high speed motor drive, 35-105 zoom lens, AS-4 flash adapter, SB16 twin-head flash, \$375. Nikon FM10, 35-70 zoom, fitted case, like new, \$150. Prices firm. E-mail jim.cook@gtri.gatech.edu.

Used 4-wheel/tires-Saturn Ion, \$100. Pics on Craig's list, No. 531485823. Call 770-378-0678.

Submissions appear in the order in which they are received. E-mail ads to editor@comm.gatech.edu.