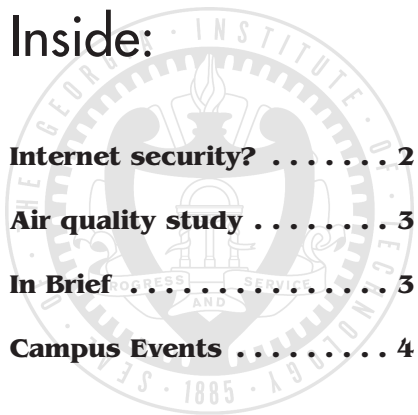


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THE WHISTL

FACULTY/STAFF NEWSPAPER

Volume 30, Number 18 • May 2, 2005

THE GEORGIA INSTITUTE OF TECHNOLOGY

Clough taps ChBE professor as new executive assistant

*Matt Nagel
Institute Communications
and Public Affairs*

Sue Ann Bidstrup Allen has accepted the position of Executive Assistant in the Office of the President. Bidstrup Allen has been a professor in the School of Chemical and Biomolecular Engineering for the past 17 years and leads an active research program in the field of polymeric materials in microelectronics.

Bidstrup Allen replaces Professor Gary May, who was recently named the new Steve W. Chaddick Chair of the School of Electrical and Computer Engineering (ECE). May begins his new position May 1, and Bidstrup Allen will start her new responsibilities on June 1.

Georgia Tech President Wayne Clough says Bidstrup Allen's experience will make her a valuable asset to the Office of the President.



Sue Ann Bidstrup Allen

"I'm delighted to have Sue Ann Bidstrup Allen replace Gary May as my executive assistant. She has an outstanding record as a faculty member, and more recently as an academic administrator. Her experience, understanding of the Georgia Tech culture, and her excellent people skills make her an ideal choice for this position," said Clough.

In July of 2004, Bidstrup Allen was appointed Associate Chair of Student Initiatives in the School of Chemical and Biomolecular Engineering, where she has been involved with a number of programs including the five-year BS/MS program, the dual degree program with the Atlanta University Center, international studies programs, and initiatives associated with student recruitment and retention.

Bidstrup Allen says she'll miss

Assistant continued, page 2

Accreditation committee makes campus visit

Written report expected soon

*Matt Nagel
Institute Communications
and Public Affairs*

The Reaffirmation Committee of the Southern Association of Colleges and Schools (SACS) wrapped up its visit to Georgia Tech last week, and the committee said the visit was very constructive and collegial.

"We're here to catch you doing things right," quipped SACS Reaffirmation Committee Chair David Ford, the vice provost for Academic Affairs at Virginia Polytechnic Institute and State University, during his remarks the final day of the visit.

The campus visit is part of the process for accreditation that occurs every 10 years. The committee, which had seven primary members, two observers, and a Commission on

Colleges staff representative, spent the better part of the week meeting with administrators, faculty and students discussing the Quality Enhancement Plan (QEP) and the Institute's commitment to the plan.

The committee applauded the international component of the QEP, but committee members did have a gentle reminder to Georgia Tech about the need to ensure quality as they expand the International Plan.

The committee also met the undergraduate research component of the QEP with optimism. One committee member suggested having a job fair to introduce students to the opportunities available to them.

Georgia Tech President Wayne Clough addressed the committee and reviewed several accomplishments that Georgia Tech has made since its last SACS visit. Among them was a

SACS continued, page 2

Expanded system for reporting ethics violations launched

*Laura Kenney
Institute Communications
and Public Affairs*

Like its students, Georgia Tech's Department of Internal Auditing administrators are ahead of the curve.

While contemplating ethics reporting requirements for accreditation with the Southern Association of Colleges and Schools (SACS), Internal Auditing staff members came up with a system that would not only meet regulated standards, but would exceed them.

Although the U.S. Department of Defense already requires a hotline, Tech's administrators wanted to expand their reporting system and took the task to the Web. Launched last week, the new system enables anyone to anonymously report a concern of fraud, waste or abuse through a third party, EthicsPoint, which will host a Web site and phone number

for Tech for two years.

After reporting issues through EthicsPoint, reporters will be given a password and a report identification number to check back on the status of their report. EthicsPoint sends reports directly to Rob Clark, director of Internal Auditing, and the campus administrator or administrators under whose jurisdiction the area of concern falls.

"For each section, we've identified key people who will receive copies of reports," said Clark, who will teach these people how to use EthicsPoint's system. His office is also working to develop alternate-language reporting for Tech's multilingual campus community.

According to Clark, the new third-party system will streamline the complicated hotline reporting system, while addressing problems that have plagued reporters in the past.

Ethics continued, page 3

Road paving project will cause minor campus traffic, parking disruptions

Beginning May 9, the Georgia Department of Transportation will begin a two-week project, repaving several streets on the Georgia Tech campus. According to Warren Page, director of operations and maintenance in Facilities, the work was scheduled at the conclusion of spring semester to minimize the inconvenience.

"Parking will not be available on these streets while the work is being done, and traffic

will be limited," he said.

Associate Director of Parking and Transportation Allen Corry is instructing permit holders to park in valid parking spaces not affected by the paving.

"If they park in any legal parking space and they have a permit displayed, they will not be cited during this period," he said. "My staff will be instructed not to write tickets if the vehicle displays a valid parking permit."

Project streets

- **Fowler Street** from Fourth Street to Bobby Dodd Way
- **Bobby Dodd Way** from Cherry Street to Williams Street
- **Techwood Drive** from North Avenue to Sixth Street
- **Sixth Street** from Techwood Drive to Fowler Street
- **Center Street** from Curran Street to Tenth Street

QUOTE UNQUOTE

"For the pulp and paper industry, removing lignin takes a lot of energy and chemicals, so the savings could be enormous."

—John Cairney, associate professor of biology, on efforts to bioengineer a 'woodless tree,' which has reduced lignin — the molecular glue that binds tree fibers together — and increased volumes of cellulose, the stuff from which paper is made. (Atlanta Journal-Constitution)

GTISC Brings Together Industry Leaders to Examine Voice over IP Security Challenges

Elizabeth Campbell
Institute Communications
and Public Affairs

Last week the Georgia Tech Information Security Center (GTISC) hosted the VoIP (Voice over Internet Protocol) Security Summit, which examined security challenges associated with the communications technology that enables consumers and businesses to use an Internet connection to carry their phone service. Telecommunications and security industry leaders from Avaya, BellSouth, Ciena Corporation, Covergence, Internet Security Systems and Telcordia Technologies participated in the Summit.

The VoIP Security Summit was held in conjunction with the annual Tom E. Noonan Distinguished Lecture on Information Security. This year's Noonan Lecture, entitled "Brand New Day: Open Networks and Open Society," was delivered by Reed Hundt, the former chairman of the Federal Communications Commission and senior adviser to McKinsey & Company.

"In particular, with all due respect to everybody in the academy, you need some people in Congress and you need some people on the Federal Communications Commission to ask you some questions and give you a chance to give them some answers," said Hundt. "...You need to make sure that when you're formulating the answers that they are a mixture of technology answers and sensible answers for society and the economy."



photo by Gary Meek

Reed Hundt, former chairman of the Federal Communications Commission, addresses the challenges associated with Voice over Internet Protocol (VoIP) — the communications technology that enables consumers and businesses to use an Internet connection to carry their phone service — during last week's security summit held by the Georgia Tech Information Security Center (GTISC).

Following Hundt's address, executives from Avaya, BellSouth, Ciena Corporation, Covergence, Internet Security Systems, Telcordia and Georgia Tech participated in a panel discussion about VoIP. Moderated by Richard DeMillo, the John P. Imlay Dean and Distinguished Professor of Computing at Georgia Tech, the panelists debated how security will impact the low service costs currently associated with VoIP, the role of public policy and regulation in leading security efforts, and whether security needs will be addressed before a

major incident affects the network.

"Voice over IP presents a complex security challenge that requires change if it is to be addressed," said Hundt. "The starting point of a real solution is bringing together the right people, and at the VoIP Security Summit, GTISC accomplished that."

For more information...

**Georgia Tech Information
Security Center**
www.gtisc.gatech.edu



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University System of Georgia.

Assistant, cont'd from page 1

some of her current responsibilities, but she's eager to start the new position.

"I have enjoyed the position of associate chair of Student Initiatives in the School of Chemical and Biomolecular Engineering, and am excited about this new opportunity to serve Georgia Tech," she said. "I am looking forward to becoming part of the Office of the President and having the experience of working with and learning from President Clough."

SACS, cont'd from page 1

broader focus on undergraduate education, the transition from quarters to semesters and library upgrades.

Ford praised Georgia Tech's effort throughout the SACS process.

"It is very evident that you

Her experience has touched students and research at Georgia Tech in a number of ways. Fifteen Ph.D students and thirteen M.S. students have received their degrees under her supervision. She has co-authored more than 130 journal and proceeding articles in her field. Bidstrup Allen was the recipient of the NSF Presidential Young Investigator Award, the Dupont Young Faculty Award, the Georgia Tech Award for Faculty Leadership in the Development of Graduate Research Assistants, and she is a Fellow of the Society of Plastic Engineers.

captured the essence of what the SACS process is all about. You're focusing on learning outcomes," he said.

The committee will provide its written report to Georgia Tech within a few weeks. The Commission on Colleges will consider the report and the QEP at its December meeting.

Among Bidstrup Allen's new responsibilities will be working with the Executive Committee of the Georgia Tech Foundation, the Alumni Association, the Georgia Tech Research Corporation, Faculty Senate, President's Cabinet, and the Georgia Tech Advisory Board.

"I am very excited about working with the university administration in my new role," she said. "This position will provide me with the opportunity to have a positive impact on future directions for Georgia Tech."

The final decision about Georgia Tech's reaffirmation will be decided at that commission meeting.

For more information...

Georgia Tech Accreditation
www.assessment.gatech.edu/SACS

Study: regional effort needed to fight smog

David Terraso
Institute Communications
and Public Affairs

Smog season began May 1 and although last summer was a mild one for air pollution, this summer may not be so kind. According to the National Weather Service's Climate Prediction Center, smog in the metro Atlanta area and the state of Georgia is expected to be slightly above normal, with much of the area receiving less precipitation than normal. Michael Chang, a senior research scientist in the School of Earth and Atmospheric Sciences, said if those predictions prove correct, smog may be more of an issue this summer than it has been in recent years.

"Changes in weather have a dramatic effect on air quality," said Chang. "Generally, hotter and drier summers lead to more bad air quality days, while cooler, wetter summers lead to fewer bad air quality days."

Chang is part of the Atlanta Air Quality Forecasting Team, a group of scientists from the Georgia Environmental Protection Division and Georgia Tech that forecast air quality during the summer months.

From 1987 to 2004, Atlanta has averaged 37 bad air quality days each summer, said Chang. "The worst year was 1999, when we experienced 69 bad air quality days. The best was last year, 2004, when we only experienced 11."

The main reason for the big change last summer was probably weather, according to Chang. "A quick turnaround in air quality, usually indicates that it's weather driven," he said. Which means that just because the air was peachy last summer, doesn't mean it will continue.

Chang has spent the past three-and-a-half years engaged in a \$2.8 million study assessing urban and regional air pollution in Georgia. The study focused on Macon, Augusta and Columbus. Due to the city's effect on air quality in the state, Atlanta was also included. The Fall Line Air Quality Study not only measured air pollution levels in these areas, but also pinpointed the source of pollutants and evaluated steps these communities and their neighbors can take to reduce pollution.

The study found that while Columbus and Augusta are likely to continue to meet federal air quality standards through 2012, Macon will likely need to implement more pollution controls if it wants to meet those standards by the federally mandated 2009 deadline and maintain it through 2012.

"The sources of air pollution in Macon are varied and include mobile sources, like cars and trucks, as well as industrial sources, like factories and other manufacturing facilities," said Chang.

But regional sources, such as those in surrounding counties and neighboring metropolitan areas also affect air quality in Macon. Power plants located outside of the immediate Macon area and the many sources in the Atlanta area were found to have a significant impact on Macon.

As such, regional efforts may also be cheaper than trying to reduce the sources of pollution in each city.

"If we can use the most cost-effective controls, no matter where they are, we can do it much more cheaply than if we are restricted to controlling pollution within the city and county limits," said Chang. "If we are confined to the city limits, then the controls we put in place may not be the most cost effective. This drives up the price of clean air."

Many pollution controls have no cost at all, the study found. Discouraging school buses from idling or implementing a burning ban during certain months would cost virtually nothing. But the zero-cost solution that would have the biggest benefit on Macon's air is continuing to use Powder River Basin (PRB) coal for use at the Georgia Power plant in Scherer. PRB coal must be imported from Wyoming, but is cleaner than its East Coast cousin. If all the zero-cost measures in the Macon area were used, said Chang, the area would see a measurable reduction in ozone levels.

Other controls may open up new business opportunities. Adding electrical outlets to truck stops in Macon, Augusta and Columbus could reduce heavy-duty vehicle emissions in each locality by 2.6 percent. Truck stop owners could make up the cost by charging for electricity, and with the cost of gasoline continuing to climb, trucking companies may actually save money because truckers no longer have to idle their engines to run their cabs.

"When we began this study, each of the three communities wanted to take immediate action to improve air quality, but they didn't know what they should do," said Chang. "Armed with the information from our study, Augusta, Macon and Columbus, working with the state and federal regulatory agencies, can now develop a plan for improving or maintaining air quality that is effective, efficient and equitable."

and the Sarbanes-Oxley Act, federal statutes requiring enterprise-wide reporting mechanisms for the protection of businesses' private information.

"We're trying to be ahead of the curve on this," says Clark.

For more information...

To report an abuse online through EthicsPoint, click on the word "hotline" on one of the following Georgia Tech Web pages: TechWorks, BuzzPort, Department of Internal Auditing and GTRI.

EthicsPoint hotline number:
866-294-5565

Department of Internal Auditing
www.audit.gatech.edu

IN BRIEF:

Samsung announces design center collaboration with Georgia Tech

The Samsung Electro-Mechanics Company (SEM) has announced the establishment of a Georgia-based design center to develop next-generation radio frequency integrated circuit (RFIC) technology.

The center is expected to become the company's principal North American research location. Chang-Ho Lee, formerly with Georgia Tech's Georgia Electronic Design Center (GEDC), has been named director of the new design center.

Officials of the South Korean company cited the opportunity to collaborate with Georgia Tech researchers and support from the GEDC as their primary reason for choosing an Atlanta location for the new design center. Samsung has had a successful research interaction with Georgia Tech for almost a decade.

"Locating in Atlanta and partnering with Georgia Tech assures us of access to both the best faculty and student researchers," said Byeongcheon Koh, chief technical officer of SEM. "We have been most impressed with the support being offered by the state of Georgia and the welcome we are receiving here at the university."

The new design center will initially be housed at the GEDC, located in Technology Square. As it expands over the next few years, the company plans to extend its cooperation with Georgia Tech and Atlanta to include packaging technology. The activity will also provide new opportunities for Tech students to gain real-world design experience and open up the potential for additional collaborative activities in topics such as cognitive radio and power amplifiers, already strong research areas for Georgia Tech.

Collecting recipes for cookbook

The Georgia Tech Women's Forum (GTWF) is asking faculty and staff for their favorite recipes to be published in a new cookbook, "Buzzing Around the Kitchen," with proceeds benefiting the GTWF Scholarship Fund.

To submit a recipe to include in the new cookbooks, e-mail kristin.turgeon@mirc.gatech.edu or send via campus mail, code 0269, before June 1. Remember to include your name, department and relation to Tech. To learn more about GTWF, visit www.chemistry.gatech.edu/gtwf.

Business casual

The business casual dress code policy will go into effect on May 16, the first day of the summer semester. This policy, which is intended to provide general guidelines, can be reviewed on TechWorks, or at www.admin-fin.gatech.edu/human/discipline/05088.html. Academic and administrative units have latitude in determining appropriate standards of dress for their work environment within the 'spirit' of the policy.

Ethics, cont'd from page 1

"The feedback I've received from this (hotline) is about anonymity," he said. "People are afraid of retaliation, so sometimes they would leave a very vague report." Such fears, he added, may have resulted in a decreased trust of the Institute's ability to rectify wrongs and reporters' decisions to take the information elsewhere, such as the Board of Regents or the Governor's Office.

"What we wanted to do," says Clark, "was put in place a system to preserve reporters' anonymity and allow us the ability to follow up."

The expanded reporting system will also satisfy federal standards that have not yet been mandated but may be required in the near future. In addition to fulfilling SACS accreditation standards and Department of Defense regulations, the system will comply with the Gramm-Leach-Bliley Act

CAMPUS EVENTS

Arts & Culture

Brown Bags/Conferences/Lectures

May 12

The Office of Information Technology hosts a free brown bag seminar on “Pretty Good Privacy (PGP) Software Usage,” at 11 a.m. in room 321 of the Student Center. To register, visit www.trainsweb.gatech.edu.

May 12

The Office of Organizational Development hosts a brown bag seminar featuring Buck Cooke, assistant director of student involvement for Greek Affairs, on “From Alpha to Omega: Fraternity and Sorority Life at Georgia Tech,” at 11:30 a.m. in room 308, Savant Building. To register, visit www.trainsweb.gatech.edu.

May 19

The Office of Information Technology hosts a free brown bag seminar on “Introduction to Windows Security.” To register, visit www.trainsweb.gatech.edu.

Faculty/Staff Development

May 17

The Office of Organizational Development hosts a course in “Dreamweaver MX — Level 2,” which will introduce participants to advanced concepts of the Web development application. The one-day course includes advanced Web site creation features available in Dreamweaver, including libraries and behaviors. To register, visit www.trainsweb.gatech.edu.

Ongoing

Faculty, staff, alumni and graduate students are invited to join Georgia Tech’s chapter of Toastmasters International, which meets every Thursday at 7:30 a.m. in room 102 of the Petit Microelectronics Research Center. For more information, visit www.techmasters.gatech.edu.

Miscellaneous

May 8-10

Georgia Tech hosts the RoboCup U.S. Open in the Technology Square Research Building. For more information, visit www.robocup-us.org.

May 13-15

The men’s baseball team hosts Virginia Tech for a three-game series at Chandler Stadium, 7 p.m. (May 13-14) and 1:30 p.m. (May 15).

May 16

First day of classes for summer semester.

May 30

Campus closed for Memorial Day.

June ??

Summer semester classes start.

E-mail events to editor@icpa.gatech.edu.

CLASSIFIEDS

AUTOMOBILES

1980 MGB convertible. Runs well, sky blue exterior, leather camel interior. Good condition, 17K original miles. \$4,500 OBO. Call 290-4506 or e-mail edharrell@yahoo.com.

1992 Honda Accord EX sedan. Black, PS/PW/PL, cruise, sliding sun roof, Pioneer CD player with Fost Gate speakers, great gas mileage. \$2,500 OBO. Call 678-787-2904.

1995 Nissan Maxima GLE. Leather interior, Bose stereo, automatic, air and more. 106K miles, one owner. Priced below bluebook at \$4,000. Call 404-894-3098.

1996 Acura Integra. Red, body kit, 17-inch wheels, custom interior. Too many modifications to list. \$7,200. E-mail karen.glover@library.gatech.edu.

1999 Mercury Cougar. Automatic transmission, dual front air bags, 6-CD player, 2.5L V6, 75K miles. \$5,800. Call Robert at 678-641-2380.

FURNITURE

5-piece bedroom set: Dresser/mirror, nightstand, headboard & tall dresser. \$500 OBO. Pictures available. E-mail katie.callahan@business.gatech.edu.

Dining room set: table, 6 newly reupholstered chairs and china cabinet. Blonde wood, great condition. \$400 OBO. 55-gallon aquarium and wood stand. \$250 OBO. E-mail gte530r@mail.gatech.edu.

Wanted: extra-long twin bed or two twin beds with headboards. E-mail brenda.woods@vpss.gatech.edu.

REAL ESTATE/ROOMMATES

1BR condo downtown, fully furnished. Cable, DSL, gas, electric paid with association fee. Pre-paid parking. 24/7 concierge. 10-year tax abatement. \$115,000. Call 404-255-9249 or e-mail omaar_keiko@bellsouth.net.

1BR/1BA Chastain Park condo priced at \$135,000. Estimated monthly payment \$889.60. New HVAC, hardwood floors, pool, clubhouse and exercise room. Move-in ready. Call 404-931-9922.

1BR/1BA 1930s condo across from Piedmont Park. Old-style charm with modern amenities. Association fee includes cable, gas, water, landscaping and sanitation. \$169,900. Call 894-9822 or e-mail shannon.sullivan@admission.gatech.edu.

1BR/1BA condo in Cross Creek. Convenient to GT. Golf, tennis, pool, gated community. W/D, A/C, ready to rent for \$750/month. E-mail mercedes.saghini@arch.gatech.edu or call 404-894-3476.

1BR/1BA condo in downtown Atlanta. Gated, assigned parking, pool and courtyard. For details and pictures call Ms. King at 404-385-2382.

2BR/1.5BA townhouse. Brick w/deck, totally renovated with new appliances, roof, HVAC, hardwoods. Walk to Smyrna Village Green. \$129,900 OBO. Call 404-723-1716 or e-mail eileengram@juno.com.

3BR/2BA brick house in Decatur. Large fenced backyard with deck. Covered parking, convenient to MARTA. No pets. \$975/month. Call 404-433-8017.

3BR/1.5BA house in McDonough. New interior and exterior paint, flooring and appliances, close to all major stores. \$975/month. Call 404-433-8017.

2BR/2.5BA townhouse in Smyrna near I-285 and Atlanta Road. Hardwood floors on main floor. Garden tub with skylight. 11 miles to Tech. Offered at

\$149,900. E-mail clint.lyle@cetl.gatech.edu.

MISCELLANEOUS

3-year-old male Rottweiler mix looking for good home with a yard. For pictures and more info., e-mail othelloellis@yahoo.com.

AKC Old English Sheepdog puppies available mid-May. Raised using New Skete methodology. Health guarantee, all shots. Males and females, \$600-\$800. Call 404-271-6900 or e-mail widi@mindspring.com.

Roland V-Drums. 11-piece set with rack, perfect condition, 3 years old, virtually never used. Paid \$3,000, sell for \$2,000 cash. E-mail greg.stenzoski@dlpe.gatech.edu or call 404-385-3543.

Stroud upright piano with heater and bench. Good condition, \$250. Call 770-386-3181.

“Star Trek” magazines. 23 ST:TNG and ST:DS9 magazines from 1992-1995. \$75 OBO. E-mail andrea.goldblum@vpss.gatech.edu for list of titles and dates.

E-mail ads to editor@icpa.gatech.edu.