

FACULTY/STAFF NEWSPAPER

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THE GEORGIA INSTITUTE OF TECHNOLOGY

Accreditation committees seek input from campus

Michael Hagearty Institute Communications and Public Affairs

fter more than a year of preparation, the Office of Assessment has begun to seek a wider range of expertise as part of the long and arduous process of preparing a national research university for an accreditation review.

At Georgia Tech, the Council for Institutional Accreditation Program Review and Accreditation has been working to provide leadership and guidance in all internal and external evaluations, reviews and accreditations. The committee's mission is to demonstrate that the academic mission of the Institute is being met, while also showing a commitment to continuing to improve its learning environment.

Every 10 years, the Southern Association of Colleges and Schools (SACS) requires each institution under its jurisdiction to file a comprehensive self-evaluation based upon criteria consistent with the standards for higher education in the United States.

It's an immense undertaking, touching everything involved with student life and the learning

SACS continued, page 3

Grooming the next generation of leadership



The newest members of the Institute's Executive Development Program met recently, part of Georgia Tech's growing effort to facilitate retention of a strong nucleus of talent that will sustain the Institute in the coming years.

Pictured, from left, are James Childers, Grants & Contracts Accounting; Hyacinth Ide, Facilities; Mary (Liz) McCarty, School of Biology; Gail Greene, DuPree College of Management; President Wayne Clough; Susan Paraska, Office of Information Technology; Charles (Wayne) Hammerstrom, Auxiliary Services; Robert Gerhart, College of Architecture; Judy Whitfield, Procurement Services; George Wright, Distance Learning and Professional Education; Kenneth Dollar, School of Mechanical Engineering; Phillip Hurd, Internal Auditing; and Victoria Anderson, Office of Information Technology.

Chief reports campus crime reduction of nearly 4 percent

Parking, undergraduate research also covered during faculty meeting

Dan Treadaway Institute Communications and Public Affairs

eorgia Tech Police Chief Teresa Crocker was pleased to present some very good news at the Feb. 3 joint meeting of the General Faculty and Academic Senate: the campus crime rate fell by nearly 4 percent during 2003.

Crocker said that the rate of violent crimes, which by federal law must be reported to the U.S. Department of Education, fell 3.9 percent for the year. Coupled with this good news, however, is the reality that the volume of property crimes continues to pose a challenge for the campus police.

Thefts — especially motor vehicle thefts, thefts from motor vehicles and bicycle thefts — are a particular area of concern, Crocker said. The most popular vehicle makes for thieves on campus last year were the Jeep Cherokee, Dodge minivans, Chevrolet Blazer, and various makes of Hondas.

Crocker outlined a number of initiatives to further reduce campus crime, including the Residence Hall Adopt-A-Cop program, an increase in the number of crime awareness and prevention activities sponsored by campus police, posting crime data on the department Web site, an increase in the number of crime-related e-mail alerts, a greater concentration of prevention efforts in high-crime areas, forging partnerships with various campus units for crime prevention activities and the creation of a Physical Security Team in the Police Department.

In addition, Crocker announced that the Parents Fund has donated \$25,000 toward the installation of 15 emergency telephones to augment the existing 137 emergency phones located throughout campus.

Crocker also encouraged faculty members in the audience to join the Campus Safety Committee to ensure that the faculty perspective is well represented in discussions about campus safety. President Wayne Clough praised Crocker and her staff for their efforts, particularly last year's first-ever "campus safety walk." Clough said that lighting needing replacement or repairs was fixed within three days of the walk, which will be held annually.

Game-day parking for faculty

Following Crocker's presentation, Parking and Transportation Director Bob Furniss gave an extensive update on campus parking issues. Of ongoing concern to research faculty, Furniss said, is the issue of parking availability on home football game days, when nearly all campus parking east of Atlantic Drive is reserved for football patrons. "I won't be able to provide parking near east campus buildings on game days," he said. "However, we can usually accommodate faculty in west campus lots, provided they arrive early enough in the day."

Furniss also reported that enforcement of after-hours parking policies in selected lots near the Library and Information Center has been "relaxed" to accommodate an increase in demand of Library services from students living off campus. Nearly all non-residential parking is open after 5 p.m. weekdays and on weekends, but only to those holding valid campus parking permits. Furniss said that relaxing that policy in the E42, E43 and E44 lots allows students living off campus without parking permits to have easier access to the Library on nights and weekends.

The same policy has also been relaxed for the first level of Peters Parking Deck to accommodate night and weekend visitors in the east campus residential area.

Furniss also discussed the "Smart Park" pilot program being conducted in the Technology Square deck. The program offers a discounted daily parking pass as a more economic alternative for those who park in the deck no more than two or three days per week and, consequently, would never realize the full value of a standard permit.

If the pilot program goes well, Furniss said, it could become available for the State Street and Student

Meeting continued, page 3

"We live in an era when ... it's not uncommon for students to gain access to files, and we take it as a matter of course. We need to instill the idea that just because the door is open. that's not a reasonable excuse to walk in and rummage around."

-Ralph Merkle, director of the Georgia Tech Information Security Center, on computer piracy and criminal trespass. (Atlanta Journal-Constitution)

"We should feel good that we've made progress, that the implementation of the Clean Air Act has more or less worked and we have cleaner air. But we could make it better, we need to make it better, because we have some really significant and difficult problems facing us in the future." -William Chameides, professor in the School of Earth and Atmospheric Sciences, on a National Academy of Sciences report commissioned by Congress concerning air quality in the United States. Chameides chaired the committee that issued the report. (Baltimore Sun)



WHISTLE

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

Faculty/Staff SPOTLIGHT

Robert Braun

One of Georgia Tech's newest faculty members, Robert Braun joined the School of Aerospace Engineering as an associate professor last fall after spending 16 years at the NASA Langley Research Center. While at NASA, Braun worked on robotic missions to Mars, including the Mars Pathfinder and the Aerial Regional-scale **Environmental Survey (ARES) Mars** Scout. He also served as a consultant to NASA for the recent Mars Spirit Rover and the Mars Global Surveyor, Mars Polar Lander and Mars Odyssey.

Braun's research at Tech involves studying planetary exploration technologies that could be applied to future robotic or human missions.

"I'm most interested in integrating the robotic and human exploration programs. The robotic programs are great precursors for human explo-

ration," he said. The trip to Mars takes about six months. And because Mars and Earth only line up every 26 months, astronauts would have to stay there for about two years, or leave after only a month. Either way that's a lot of food, water and air for the astronauts to produce.

"One idea involves sending a robotic craft first that would create oxygen and fuel for the return home," said Braun. While on the planet, astronauts could take over and combine hydrogen brought from earth with carbon dioxide from Mars' thin atmosphere to make oxygen and water, he added.



Full Name: Robert David Braun

Age: 38

Occupation: Associate Professor of Aerospace Engineering

Job description: Design and development of advanced systems and technologies for planetary exploration. Past focus has been on Mars entry, descent and landing systems.

What I find most rewarding about my job: Working with outstanding people in a team environment.

What I find most challenging about my job: The extreme challenges and inherent risk of space flight.

Education: bachelor's degree from Penn State, 1987; master's degree from George Washington University, 1989; doctoral degree from Stanford University, 1996.

Hobbies: Fishing, boating, learning to golf

The CD in my stereo right now: "Shock n Y'all" by Toby Keith

Another occupation I'd like to try: **Business**

One place I've always wanted to visit: Hawaii.

The best advice I ever received:

Was from my dad, who said you'd better enjoy your work because you will be spending an awful lot of time there.

One talent I would most like to have: The ability to carry a tune

What I consider my greatest accomplishment: Our three children

My motto: Life's an adventure, enjoy the ride!

Library providing greater access to its rare books

Michael Hagearty Institute Communications and Public Affairs

The Library and Information Center is hoping to give its rare books some added attention by opening the Neely Gallery.

As a research university, it is no coincidence that many of the works deal with the applied sciences (see sidebar, right). Subjects covered in the collection include mathematics. the history of science and technology, the history of textiles and science fiction.

Visitors may be interested to see the evolution of some of these disciplines. Jody Thompson, the acting head of the Department of Archives and Records, encouraged professors and faculty to use the rare books by setting up an appointment for class demonstrations or tours of the Neely Gallery and the Archives.

Marilyn Williamson, who serves as the Institute's rare book librarian, said that a library's prized holdings are more often due to happenstance.

"Often books are not acquired as rarities," she said. "Rather, they become rare as time passes. From time to time, librarians find books purchased at the time of publication and placed in the open stacks that have become rare books due to the passage of time and the increased importance of the author or the edition."

The Neely Gallery, located on the first floor west, is open Monday through Friday from 10 a.m. - 5 p.m.

lf you go...

Key holdings in the Library's collection feature works by Sir Isaac Newton, notably the first three editions of "Principia Mathematica," as well as a first edition of "Opticks," and "Universal Arithmetick." Librarian Marilyn Williamson called Joan Blaeu's "Grand Atlas of the World," "the most sumptuous publication of the seventeenth century."

Early engineering and technology works include Carl Schramm's "Historischer Schauplatz" (1735), and "Il Theatro de gl'Instrumenti e Machine" (1582), by Jacques Besson.

SACS, cont'd from page 1

environment. Joseph Hoey, who directs the subgroup focused on complying with these criteria, said they are now ready to begin soliciting input from academic and administrative units on campus.

"We're at the point where we can do as much as we can with the knowledge base we have," he said.

"Anybody in an office that is connected to the academic mission of Georgia Tech - whether directly in an academic department or indirectly in a support or administrative role - should expect to be asked to participate in this process," Hoey added.

Reports of self-assessment have already begun to circulate. Offices will be asked to review and comment upon select reports that apply to their responsibility over the areas covered by SACS' requirements.

"It's going to be a pretty intensive process," Hoey said, "but at the end of the day, we will have a report that accurately represents where we are vis-avis the requirements of the Southern Association."

Though this effort will require extra work for many people, Associate Provost Jack Lohmann, who chairs the leadership council and acts as the Institute's SACS liaison, pointed out that the process is too important not to take seriously.

"SACS accreditation is important to Georgia Tech," he said. "It is among the ways we demonstrate accountability to our constituents and exert leadership in higher education. And, of course, our reputation and

Meeting, cont'd from page 1

Center decks as early as this

Undergraduate research

a brief presentation on the

the President's Undergraduate

"There is already quite a bit

of undergraduate research hap-

pening on campus," Bottomlev

said, "but recently it's been get-

ting a lot more student atten-

that will lead to even more

any given academic year,

tion, and President Clough has

added resources to the program

Bottomley said that during

approximately 2,000 undergrad-

activities, either for pay, course

credit or on a strictly voluntary

uates participate in research

fall.

on campus.

growth.

Council of Institutional and Academic Program Review and Accreditation

Tom Akins, executive director, Division of Professional Practice Doug Allen, associate dean, College of Architecture Richard Barke, associate dean, Ivan Allen College Nate Bennett, associate dean, DuPree College of Management Gail DiSabatino, dean of students and interim vice president of Student Affairs

Joseph Hoey, director, Office of Assessment

Hal Irvin, director, Office of Organizational Development

Rich LeBlanc, professor, College of Computing

Charles Liotta, vice provost, Research and Dean of Graduate Studies

Jack Lohmann, associate provost (council chair)

Francois Malassenet, director, Georgia Tech Lorraine

Robert McMath, vice provost,

Undergraduate Studies and Academic Affairs

Rosalind Meyers, associate vice president, Auxiliary Services Ralph Mobley, director, Career Services

John Mullin, chief information officer, Office of Information Technology Bill Sayle, professor emeritus,

School of Electrical and Computer Engineering

Anderson Smith, associate dean, College of Sciences

Kathy Tomajko, assistant to the dean of Libraries

Bill Wepfer, vice provost, Distance Learning and Professional Education

substantial federal resources are at stake. "A successful review is not assured just because 'we're Georgia Tech.' The review

needs to be taken seriously. We need everyone's help." Because the U.S. government has no centralized authority

over colleges or universities, a peer-review system known as accreditation evolved to insure a level of quality in educational institutions. SACS is the regional accrediting body for about

basis. While the most prevalent

800 colleges and universities in 11 states and Latin America. The penalty for non-compliance is severe. Without accreditation, schools lose their ability to confer degrees or receive federal funding.

For more information... **Office of Assessment** www.assessment.gatech.edu

format for undergraduate research is the relatively informal pairing of a student with an individual faculty member, Bottomley said that some colleges and schools have well developed, more formalized Leigh Bottomley, coordinator of programs. She also reminded Research Awards program, gave faculty that including an undergraduate research component state of undergraduate research in grant applications satisfies the educational outreach

requirement of many granting agencies. The undergraduate research process will become even more

formalized next year, Bottomley said, with the anticipated adoption of a uniform course number proposal. That plan would designate 2698 and 4698 as course numbers for paid undergraduate research in all schools and colleges (hours earned would be audit, not billable). Course numbers 2699 and 4699 would be designated for

undergraduate research offering academic credit in all schools and colleges except Electrical and Computer Engineering, which already had its own designated course numbers for undergraduate research.

"Undergraduate research is a very important part of the teaching mission of a research university," said President Clough. "Students across the board tell us that they enjoy the experience, and they are grateful to have it available to them."

For more information... Campus crime statistics: www.police.gatech.edu

Parking policies and issues: www.parking.gatech.edu

Undergraduate research: www.undergradresearch.gatech.edu

IN RKIFF

Lifelong learning at GLCC

Tech2Nite offers unique personal enrichment classes in Georgia Tech's new instructional facility, the Global Learning and Conference Center. The Spring Series examines the relationship between technology, communication, art, business and culture. Faculty and staff from Georgia Tech, as well as industry professionals, will explore these issues in a series of 12 classes. The instructors, each an expert in a particular area, will pose questions and show examples through demonstration, lecture, and discussion. Classes meet Tuesday nights from 6:30 - 8:30 p.m. for six weeks. Members of the Georgia Tech community receive a special discount. For more information, visit www.pe.gatech.edu or call 385-3542.

New class of football recruits

Wide receiver Calvin Johnson and defensive linemen David Brown, Darryl Richard and Darrell Robertson headline Georgia Tech's 2004 football signees, a group of 23 prospective studentathletes who signed national letters of intent with the Yellow Jackets last week.

"Defensive line, wide receiver and offensive line were three areas of emphasis for us, and we think we were able to get some quality players at those three positions," said head coach Chan Gailey, who is entering his third season at Tech.

Eleven signees are from the state of Georgia, while eight other states are represented, including Florida (three), Alabama (two), Texas (two), Pennsylvania (two), Louisiana (one), Missouri (one), Rhode Island (one), and Nebraska (one).

Eight of Tech's 11 Georgia signees were named by the Atlanta Journal-Constitution to either the Super Southern 100 or the Top 50 in Georgia.

All signees are fully qualified academically.

Seminar for working mothers

Linda Mason, founder and chairman of Bright Horizons Family Solutions and author of "The Working Mother's Guide to Life," will be hosting a seminar on Monday, Feb. 23 at noon in the GCATT Building, located at 250 14th Street.

Georgia Tech students and employees can park at GCATT free if a Georgia Tech parking permit is displayed. For more information, e-mail jean.fuller@ohr.gatech.edu.

Training session

Two training sessions are scheduled for interested library staff to learn the basics of Endnote, a citation management program available through the Office of Information Technology. The sessions will be held Feb. 16 and Feb. 17 in the Homer Rice Center from 9 a.m. to noon. For more information, e-mail cathy.carpenter@library.gatech.edu.

Scholarships available

For the third year, Auxiliary Services is sponsoring the Impact Scholarships program for students who have had a positive effect on the Georgia Tech community. Using monies collected from the sale of official Georgia Tech licensed merchandise, these \$3,000 scholarships are awarded to full-time students in good academic standing.

The deadline for applications is Feb. 23. For more information on the requirements, visit www.importantstuff.gatech.edu.

C A M P U S E V E N T S

Arts & Culture

Feb. 13

The bookstore hosts science-fiction author William Gibson, who will sign his New York Times best-seller, "Pattern Recognition," at 7 p.m. For more information, call 894-1642 or e-mail gigi.weinrich@bks.gatech.edu.

Feb. 13

The Women's Resource Center presents the second annual production of Eve Ensler's "The Vagina Monologues" starring Georgia Tech students, staff and faculty. The performance begins at 8 p.m. and is supporting Grady Rape Crisis Center and Men Stopping Violence. Tickets can be purchased at the Student Center box office.

Feb. 14

The Ferst Center for the Arts welcomes Peter Schickele (and his alter ego P.D.Q. Bach) for an 8 p.m. performance. Faculty and staff receive a 10 percent discount. To purchase tickets, call 894-9600.

Feb. 19

The bookstore hosts author Calvin Johnson, who will discuss his book "Exit to Freedom," and the 16 years he spent in prison falsely convicted of rape, at 7 p.m. For more information, visit **www.bookstore.gatech.edu**.

Brown Bags/Conferences/Lectures

Feb. 12

The School of Biology welcomes William Ardren of the U.S. Fish and Wildlife Service on "Can Captive Breeding Programs Help Restore Endangered Salmon Populations?" at noon in the Suddath Seminar Room of IBB.

Feb. 17

The School of Materials Science and Engineering welcomes Sanjay Sampath, professor at the State University of New York at Stony Brook, on "Direct Write Thermal Spraying of Mesoscale Electronics and Sensor Structures," at 3 p.m. in room 185, Love Building. For more information, 894-2845.

Feb. 18

The DuPree College of Management's IMPACT Speaker Series hosts "A Roundtable of Venture Capitalists," at 4:30 p.m. in the LeCraw Auditorium.

Faculty/Staff Development

Feb. 18

The Center for Assistive Technology and Environmental Access (CATEA) hosts a lunchtime discussion on methods for creating PowerPoint presentations that are accessible to people with disabilities. Lunch will be provided, but pher@coa.gatech.edu.

registration is required. E-mail barbara.christo-

The Office of Sponsored Programs hosts a brown bag on "Intellectual Property," at noon in the Research Administration Building. To register, call 894-6945 or e-mail nadia.zitman@osp.gatech.edu.

Miscellaneous

Feb. 16

Stay focused on your New Year's resolutions by joining Weight Watchers at Work. Sessions are held in the Success Center for 15 weeks from 11:30 a.m. - 12:15 p.m. For more information, call 385-1095 or e-mail karla.ruggiero@alumni. gatech.edu.

Feb. 24

A Fidelity representative will be conducting confidential investment consultations in the Office of Human Resources. To schedule an appointment, call 800-642-7131.

Feb. 25

The Office of Human Resources will hold the first of a series of pre-retirement meetings from 1:30-4:30 p.m. in room 117, Student Services. Topics covered include Social Security benefits and Georgia Tech benefits. These meetings are designed for employees within 10 years of retirement. To register, visit **www.trainsweb.gatech.edu**.

Faculty and staff should send calendar items for events to editor@icpa.gatech.edu when available.

C L A S S I F I E D S

AUTOMOBILES

1993 S-10 Blazer. Red, 4-door, automatic. Original Vortex 6-cylinder engine, 87K miles, no bumpers/no damage. \$3,000. Call Susan at 894-9942.

1995 Honda Accord Ex. Automatic, 4-door, gold, good condition, \$4,100. Call 894-2538.

1995 Pontiac Grand Am GT. Blue/green, 91K miles, 3.1L V6, rebuilt auto transmission, a/c, 16-inch wheels, K&N, Flowmaster dual exhaust, 6 CD changer and subs, \$4,000 OBO. E-mail mgilbert@ibb.gatech.edu.

1996 Mazda 626. Excellent condition, automatic transmission. 68K miles. Very clean. Dark green color, dark tinted windows. Dual airbags. Alarm system, new tires. Asking \$6,300 OBO. Call 770-671-0272.

FURNITURE

Futon with mattress, \$150 OBO. Frame is green metal with wooden armrests. Mattress is black. E-mail gretchen.kotz@gtri.gatech.edu for pictures or call 894-6780.

Just one year old: maroon couch/loveseat, \$570; large glass dining table, 4 matching red chairs, \$250; queen bed, headboard, box spring, mattress, \$250. Negotiable. Contact Keiko, 770-723-9242. Two brass table lamps with silk shades. Like new. \$50 for both. E-mail belinda.harding@dev.gatech.edu or call 894-1622.

Dining table w/ 6 chairs \$175; crib w/ mattress \$120, and much more. See photos at http://photos.yahoo.com/ batugunduz, Call 770-951-8186.

REAL ESTATE/ROOMMATES Nice 2BR/1BA house near

Nice 2BK/1BA house near Buckhead/Midtown. 1020 Lindbergh Dr. Hardwoods, fenced yard, attic storage, screened porch, W/D conn. \$1,075/mo. Available early Feb. Call 404-784-4362.

3/4BR ranch in Forest Park for sale, no money down, great for investor, already has tenant. \$89,000. Call Bob at 678-698-9464.

2BR/2BA + sun room condo in Cross Creek. Convenient to GT. Golf, tennis, pool, gated community. W/D, A/C, wood floor, ready to rent for \$1,100. Call 894-3476 or e-mail mercedes.saghini@arch.gatech.edu.

2BR/2.5BA townhome, GA 400/Holcomb Bridge, fireplace, updated kitchen/dining, new: carpet, paint, siding, roof, a/c unit; carport, MARTA/N.Point Mall close. Ready Feb./Mar., \$115K OBO. Call Michael, 894-5982 or mgilbert@ibb.gatech.edu. Professor's home: 3BR/2BA brick ranch in Douglasville on corner lot. Huge back yard. Vaulted master w/sitting room. Two-car garage, kitchen w/ all appliances, Available mid-April. \$1,250/month. Call 404-931-5001 or e-mail jamcgruder@aol.com.

Housemate sought: male professor, 43, seeks to share gorgeous furnished penthouse condo in Midtown. \$800/month negotiable. E-mail hk28@mail.gatech.edu.

3BR/2BA home for sale in Stockbridge, Swan Lake subdivision. Fireplace, one-car garage, lake privileges with swimming, fishing and playground, quiet neighborhood. Asking \$110K. Call 770-389-3497.

2BR/2.5BA townhouse in Smyrna/Vinings, corner unit, 12 miles from GT, located at 1747 Nappa Valley Ct. \$800/month, 1st and last due with lease. Call 770-428-4836.

2BR/2BA luxury apartment. 1,650 sq. ft. plus balcony. Huge living room. 14th Street close to Piedmont Park. 1 parking spot, others available for \$25/month. \$1,900/month. Call 385-6042.

MISCELLANEOUS

Children's outdoor playhouse. The interior features a skylight, shuttered windows, pretend sink, a stovetop with clicking knobs, a push-button phone and fold-down table. Great condition, \$125. Call 404-843-2929 or e-mail david.bridges@edi.gatech.edu.

Fisher Price vibrating baby bouncer with hood, cloth cover with navy blue and white polka-dots, good condition. \$10 cash. E-mail marsha.moore@yahoo.com or call 894-2686.

1985 Honda Rebel motorcycle. 250cc, 19,965 miles, runs great. Excellent condition. Asking \$1,500. Call Bob at 404-386-3844.

Two free crepe myrtle trees (5-feet tall, flowers pink in spring) to the first person to dig and pick them up. Call 385-3054.

2001 red Kawasaki ZR-7S motorcycle. 1,200 miles, 750cc, 4 cyl. with mini-fairing and 4-1 stainlesssteel exhaust. Excellent condition, always garaged. Pictures at http://bada55.com/kawasaki.htm. \$4,000 negotiable. Call 678-895-8096 or e-mail sean.porter@ce. gatech.edu

Ads will run for a maximum of three weeks in the order in which they are received. The Whistle reserves the right to edit ads longer than 30 words.