Tech plans NCAA appeal

Georgia Tech has notified the NCAA that the Institute will appeal the penalties handed down by the NCAA Division I Committee on Infractions.

The Institute will make its appeal to the NCAA Infractions Appeals Committee within the next 60 days, and the entire process is expected to last three to four months.

The violations and penalties involve the improper certification of student-athletes in four sports due to an inadvertent misapplication of NCAA eligibility certification rules by Athletic Association and Institute staff members. The NCAA Committee on Infractions announced on Nov. 17 its decision to place Georgia Tech on two years probation, vacate results in several instances, and place restrictions on the number of new scholarships that can be offered.

The possibility of not having adequate time to appeal to the NCAA after a possible violation of NCAA rules by a GTRI employee has been examined by the Institute's NCAA Infractions Appeals Committee, according to the Institute. The Institute is appealing the penalties.

Appal continued, page 2

Committee looks at challenges of multi-campus governance

Dan Treadaway
Institute Communications and Public Affairs

As Georgia Tech has expanded beyond local and even national borders, the issue of unified faculty governance and integration has become increasingly complex.

To help address this issue, the Institute last spring created the Committee on Multi-campus Faculty Development, Governance and Integration. Committee Chair Monson Hayes III, professor of Electrical and Computer Engineering and associate director of Georgia Tech Savannah, presented an overview of the committee’s work at the Nov. 29 meeting of the Academic Senate and General Faculty.

“Georgia Tech has become a multi-campus institution that is geographically dispersed throughout the world,” said Hayes. “The committee has been charged with identifying any hurdles that geographically dispersed faculty are encountering in the application of policies and procedures related to faculty governance and faculty development.”

Hayes said the issues involved could range from varying levels and quality of Internet access at different campuses to ensuring consistency in faculty hiring and promotion practices from Savannah to Singapore to France. He said the committee will be focusing on four categories of faculty: full-time faculty not located at the Atlanta campus, faculty with rotating assignments among different campuses, faculty involved in study abroad experiences and research faculty.

While the committee has met only twice to date, Hayes said he expects the group to be very active in the spring semester.

Membership of the Committee on Multi-campus Faculty Development, Governance and Integration

• Yves Bertholot, Mechanical Engineering
• Molly Cochran, International Affairs
• Monson Hayes, Electrical and Computer Engineering
• Tom Horton, GTRI
• Jack Lehmann, Associate Provost
• Howard Rollins, International Education
• Chen Zhou, Industrial and Systems Engineering
• Tong Zhou, Electrical and Computer Engineering

The Senate also heard a presentation from Scott Wills, chair of the Undergraduate Curriculum Committee, on the impact that the increasing volume of student petitions is having on various faculty committees hearing and ruling on those petitions. In particular, Wills said that student appeals of policies related to withdrawals, readmission and other academic regulations now occupy about 75 percent of the time allotted for committee meetings.

“The way that students think about this process has shifted over the past few years,” Wills explained. He said that while the appeals process used to be viewed as a vehicle reserved for very unusual or extenuating circumstances, it’s now perceived as a much more readily accessible option.

Wills said the committees involved in the petition and appeals processes are encouraging faculty and appropriate administrative staff to talk about ideas for better defining the process. He said that if action is not taken in the near future, the committees face the possibility of not having adequate time to spend on other critical duties.

For more information...
Faculty Senate.
WWW.WHISTLE.GATECH.EDU

Undergraduate student named Marshall Scholar

Ryan Haynes
Institute Communications and Public Affairs

Ryan Haynes has the heart of a doctor, the brain of a research scientist and the tenacity of a computer programmer. All he needs now to help him realize his dream of developing life-changing medical technologies is a year’s worth of business skills.

As a Marshall Scholar from a Georgia public university, Haynes will get the chance to sharpen his business skills at the University of Cambridge next year as he pursues a master’s degree in nanotechnology entrepreneurship and a degree in biomedical sciences at Imperial College London a year later.

“I feel that a lot of really good basic science research just stays in the laboratory when it could be out there helping patients,” said Haynes, a senior in the Department of Biomedical Engineering. “I like clinical work because it gets things to patients more directly. I feel business is the avenue to translate basic science to clinical applications.”

The program at Cambridge, he said, will prepare him to take nanotechnology and biotechnology solutions into the marketplace. The Imperial program will allow him to apply the things he’s learned at Cambridge to medical imaging technologies — potentially benefiting patients with neurological disorders such as Parkinson’s disease and Alzheimer’s disease.

It’s a career path that seems natural to the Calhoun, Louisiana, native who received his first computer when he was five and started experimenting with computer programming at age 11.

In high school, he developed a distance education program that united math students over the Internet. The project earned first place honors at

Scholar continued, page 3
Thomas Stelson, emeritus vice president of research, dies

Former administrator Thomas E. Stelson, who helped charter the course toward greater research funding, is being remembered by colleagues for his contributions to Georgia Tech.

Stelson, 77, died Nov. 13 of complications from brain surgery. As vice president for research from 1974-1986, he had been credited with transforming the school from a teaching institution to one of the country’s leading research universities. During Stelson’s tenure, annual research spending grew from $8 million to $120 million.

College of Engineering Dean Don Giddens called Stelson “one of the giants of Georgia Tech.”

“Tom was a real visionary,” he said. “He saw the importance of interdisciplinary research long before it became popular and, more importantly, he invested resources in promoting this.” He was the principal driver, under President Joe Petit, in aligning resource allocation and organizational structures at Tech so as to promote research at a time when the institute was just beginning to emerge as a research-intensive place.

“My own career was impacted through Tom’s vision and willingness to take a risk. He re-created the Bioengineering Center and agreed to my proposal to start the Emory-Georgia Tech Biomedical Technology Research Center that became the foundation upon which much of our current bioengineering efforts have been based.”

His efforts enjoyed wide faculty support. In a local newspaper article, Electrical and Computer Engineering Associate Professor Art Koblasz called him “the perfect guy to set the course for research at Georgia Tech. He could motivate, steer and keep order.”

A memorial service is scheduled for 1 p.m. on Jan. 7 at Sandy Springs United Methodist Church.

Student group featured on ‘reality’ program

Pitted against peers from the University of Georgia, four undergraduate students in Georgia Tech’s College of Management emerged victorious on the Nov. 28 episode of the reality-show series “Quad Squads.”

A new program of MTV’s mtvU network, which is broadcast on college campuses nationwide, “Quad Squads” featured the students in three episodes competing to see which team could devise the best marketing plan for a new mobile telephone company.

The Tech team — seniors Christin Hubbard and Matt Swanson, junior Jason Nelson and sophomore Vicki Rokhlin — learned they’d won during taping of the final episode Nov. 15 after presenting their plan to the company’s marketing and advertising executives.

Tech’s team members didn’t know each other before mtvU selected them for the show after some faculty encouraged students to audition. Show producers approached Georgia Tech and UGA because they wanted to pit schools with existing rivalries against each other.

Their prize package includes a $1,000 scholarship for each team member, a trip to mtvU’s Spring Break and a year of free mobile phone service. The victory episode will continue airing regularly until Dec. 4, and all five-minute shows are available online at www.mtvu.com/uber.

In addition to classroom and video lessons, the program has begun incorporating microteaching, in which TAs prepare a 10-minute lesson and get feedback from their peers.

One of the biggest lessons new TAs learn is how to discourage and prevent cheating.

“The TAs we get are students who have some of the highest grade point averages. It never occurred to them to cheat and so many of them aren’t aware of how to discourage it,” said Brableb.

The course also provides a way for new TAs to network and learn from each other’s experiences.

“We have a few sections where we have case studies,” said Brableb.

“What the TAs have found surprising is that many of them find different solutions based on their background. They learn to make judgments based on what the rules are.”

TAs, cont’d from page 1

spoken by international TAs, language differences had the potential to be a big problem.

“There were also cultural conflicts as to what was expected in the classroom, how much interaction there should be and how to successfully implement question and answer sessions,” recalled Jacobson.

From her observations, Jacobson devised a curriculum that is now a two-semester course made up of a combination of classroom instruction, small group and one-on-one tutorials, with feedback from videotaped lessons, audiotaped assignments and students.

It wasn’t just international TAs who stood to benefit from an organized training program, said Niara Grotzinsky, who teaches the fall semester of the program as an instructor in the School of Mathematics. Since TAs conduct a large amount of the problem solving, teaching and grading for a lecture class, it’s essential that they be up to the task.

“I felt like our TAs didn’t have a real centralized training program,” said Grotzinsky. “We had one for the International TAs, but not for the rest.”

So Grotzinsky devised a five-class course that began in the fall of 2000. It has since grown to a full semester. “We expanded it the next fall because we didn’t have enough time to cover all the topics we wanted to discuss,” she said.

It’s that kind of flexibility to alter the course based on the needs of the students that has helped make the program a success, said Rena Brableb, assistant undergraduate coordinator in the School of Mathematics and instructor of the spring TA program. “We change the class each term based on the feedback from the TAs and the results of the student surveys.”

Appeal, cont’d from page 1

and Public Affairs
Wardlaw Center
177 North Avenue
Atlanta, Georgia 30352-0181

Georgia Tech is a unit of the University System of Georgia
Reunion classes make impact with scholarships, library gift

Dan Treadaway
Institute Communications and Public Affairs

While the gridiron Yellow Jackets caged the Clemson Tigers at the Oct. 29 Homecoming game, alumni from the reunion classes of 1955, 1965 and 1980 were busy celebrating another kind of victory.

The combined fundraising efforts of the three classes yielded a total of $8.9 million for Georgia Tech scholarships and library facilities.

For their 50th reunion, the Class of 1955 chose to support the development of an “intellectual oasis” in the Library and Information Center. The funds raised will augment a planned 12,000-square-foot renovation project in the Library intended to transform First Floor East into an intellectual oasis anchored by a coffee shop and featuring comfortable seating, student and faculty lounge areas.

Regents approve UGA's engineering degree programs

Michael Hagearty
Institute Communications and Public Affairs

During its monthly meeting, the Board of Regents of the University System of Georgia approved the establishment of three new engineering programs at the University of Georgia. Rather than being created out of whole cloth, however, these programs — in biochemical engineering, environmental engineering and computer systems engineering — are being promoted as consistent with some of UGA’s current academic programs.

The decision represents the culmination of a five-year push by UGA’s administration to incorporate a more comprehensive engineering curriculum. Until now, it has had a limited engineering curriculum, with one degree program (agricultural engineering) and two certificate programs (engineering physics and computer systems engineering).

Just as Tech has initiated interdisciplinary programs such as bioengineering and computational media to meet the demands of a changing world, UGA is seeking to combine its strengths for greater institutional flexibility. Administrators from Georgia Tech said that while they had not had an opportunity to review the proposed curriculum, conversations with members of the Board of Regents reassured them that the new programs would not directly compete with Tech programs.

In recommending approval, the Regents’ Committee on Academic Affairs noted that, as a research university without a medical school or engineering program, such a move was necessary to ensure that UGA could continue to remain competitive for students and resources.

In a statement, the Georgia Tech administration stressed that such developments were part of the natural evolution of higher education.

“The world is changing, and we have to think in different ways, so Georgia Tech can continue its momentum toward defining the technological university of the 21st century,” it read. “By planning for global changes in the marketplace and adding innovative degrees to meet emerging areas important to the state and the nation, Georgia Tech will continue to provide the most comprehensive engineering program in the state.”

Scholar, cont’d from page 1

the National Junior Science and Humanities Symposium. In college, his programming has not only helped him in research but also allowed him to create an Internet software application called Endeavor to help both students and instructors in teaching college calculus.

When it came time to choose a university he was torn between Georgia Tech, Rice University and NIT. “The President’s Scholarship Program is pretty much what pulled me over,” he said. “I liked Georgia Tech’s campus better and its academic environment was what I was looking for.”

At Tech, Haynes has made the most of the opportunities offered in biomedical engineering, working in the neuroengineering lab of Assistant Professor Steve Potter and at Children’s Healthcare of Atlanta.

“One of the great things about Tech is its research program,” said Haynes. “Work in the Potter lab has greatly complemented my coursework because you learn one thing in class and the next week you see it in the lab.”

In Potter’s lab, Haynes is testing how networks of neurons respond to different amounts of the chemical dopamine, which is involved in drug addiction, Parkinson’s disease and schizophrenia. While many labs release the chemicals onto the entire culture of neurons, Potter wants to see how smaller groups of cells respond. “I created an enclosure and system to locally release chemicals, which will allow small volumes of neurotransmitters to stimulate cells much like what happens in a real brain,” said Haynes.

At Children’s Healthcare, Haynes is using a software program that renders the brain’s cerebral cortex as a sphere, allowing doctors to measure the thickness of the cortex in various patient groups.

“We’re trying to figure out what the normal thickness is and then measure children who have frontal lobe epilepsy, figure out what atrophy occurs in what area and correlate that with cognitive tests to see if there is a certain area of the brain that’s more affected than others,” said Haynes.

Haynes is the seventh Tech student to win the Marshall, a scholarship established by the British Government for American students in 1953 in appreciation for assistance received after World War II under the Marshall Plan.

Research project seeks volunteers

Researchers at the Center for Assistive Technology and Environmental Access (CATEA) are conducting a survey to learn about the employment experiences and workplace accommodations used by science, technology, engineering and math (STEM) K-16 educators who have a disability. The goal of the research is to provide information to help people with disabilities successfully become teachers and to help educators who acquire a disability to be able to continue in their career.

The project is seeking input from teachers with disabilities about their work experiences. This can include faculty with disabilities, teaching assistants with disabilities who are leading classes, student teachers, and people who are currently participating in teacher preparation programs such as bioengineering and computational media.

Among the survey questions, educators are asked to provide information about their disabilities and accommodations used by science, technology, engineering and math (STEM) K-16 educators. The survey also asks about the types of accommodations used and the level of support needed.

The survey is anonymous and takes about 20-30 minutes to complete. To participate in this research project, visit www.catea.org/teachsurvey.

Five football players named to all-conference team

Five Georgia Tech football players were named to the All-Atlantic Coast Conference football team, led by unanimous first-team selection Calvin Johnson.

Linebacker Gerris Wilkinson, safety Dawan Landry, defensive end Eric Henderson and running back A.J. Taylor were also named to the first team. Senior tackle Brad Honeycutt earned honorable mention recognition.

Johnson, a sophomore wide receiver was also named as a first-team all-American by the American Football Coaches Association. He leads Tech with 52 catches for 869 yards and six touchdowns.

Tech’s defense did not have one player recognized on the All-ACC first team despite ranking in the Top 15 nationally in total defense (12th), rushing defense (12th), pass efficiency defense (14th), interceptions (5th) and takeaways, as well as 16th in scoring defense and 16th in turnover margin.

Photo exhibit depicts climate change

NorthSouthEastWest, a new photographic exhibition highlighting the urgent need to combat environmental challenges at the local, national and global levels, will be on exhibit until Dec. 9 in the atrium of the College of Management Building at Technology Square. Presented by Tech’s Institute for Sustainability Technology and Development and the British Council USA, NorthSouthEastWest chronicles the impact of climate change in communities from all parts of the globe, as seen through the lenses of ten of the world’s top photographers.

Each photograph captures a striking example of climate change and its effects, ranging from extreme weather events and observed glacier retreats to poor urban air quality and environmental refugees. The exhibition also highlights ways to reduce carbon emissions in communities around the globe, including fuel cell technology, effective public transport systems, carbon capture and storage and emissions trading.

For more information, visit www.northsoutheastwest.org.

IN BRIEF:

Researchers at the Center for Assistive Technology and Environmental Access (CATEA) are conducting a survey to learn about the employment experiences and workplace accommodations used by science, technology, engineering and math (STEM) K-16 educators who have a disability. The goal of the research is to provide information to help people with disabilities successfully become teachers and to help educators who acquire a disability to be able to continue in their career.

The project is seeking input from teachers with disabilities about their work experiences. This can include faculty with disabilities, teaching assistants with disabilities who are leading classes, student teachers, and people who are currently participating in teacher preparation programs such as bioengineering and computational media.

Among the survey questions, educators are asked to provide information about their disabilities and accommodations used by science, technology, engineering and math (STEM) K-16 educators. The survey also asks about the types of accommodations used and the level of support needed.

The survey is anonymous and takes about 20-30 minutes to complete. To participate in this research project, visit www.catea.org/teachsurvey.

Five Georgia Tech football players were named to the All-Atlantic Coast Conference football team, led by unanimous first-team selection Calvin Johnson.

Linebacker Gerris Wilkinson, safety Dawan Landry, defensive end Eric Henderson and running back A.J. Taylor were also named to the first team. Senior tackle Brad Honeycutt earned honorable mention recognition.

Johnson, a sophomore wide receiver was also named as a first-team all-American by the American Football Coaches Association. He leads Tech with 52 catches for 869 yards and six touchdowns.

Tech’s defense did not have one player recognized on the All-ACC first team despite ranking in the Top 15 nationally in total defense (12th), rushing defense (12th), pass efficiency defense (14th), interceptions (5th) and takeaways, as well as 16th in scoring defense and 16th in turnover margin.

NorthSouthEastWest, a new photographic exhibition highlighting the urgent need to combat environmental challenges at the local, national and global levels, will be on exhibit until Dec. 9 in the atrium of the College of Management Building at Technology Square. Presented by Tech’s Institute for Sustainability Technology and Development and the British Council USA, NorthSouthEastWest chronicles the impact of climate change in communities from all parts of the globe, as seen through the lenses of ten of the world’s top photographers.

Each photograph captures a striking example of climate change and its effects, ranging from extreme weather events and observed glacier retreats to poor urban air quality and environmental refugees. The exhibition also highlights ways to reduce carbon emissions in communities around the globe, including fuel cell technology, effective public transport systems, carbon capture and storage and emissions trading.

For more information, visit www.northsoutheastwest.org.
Art & Culture
Dec. 8-10
DramaTech Theater presents evening performances of the David Mamet play "Speed-the-Plow." For tickets and information, visit www.dramatech.org or call 894-2745.

Dec. 9
The Ferst Center for the Arts welcomes guitarist Peter White, saxophonist Mindi Abair and trumpeter Rick Braun for an evening of holiday jazz.

Dec. 10
The Ferst Center for the Arts hosts a benefit for the Bright Horizons Foundation for Children, featuring an 11 a.m. performance by Dan Zanes and Friends.

Brown Bags/Conferences/Lectures
Dec. 6
The monthly meeting of the Healthy Places Research Group (HPRG) will explore the effects of indoor and outdoor air quality on public health, 7:30 - 9 a.m. in the Center for Quality Growth and Regional Development at Technology Square. For more information, visit www.coa.gatech.edu/cqgrd/projects.htm.

Dec. 8
The School of Psychology welcomes Dean Tjavan, professor of management at Lingnan University, Hong Kong, on "Making Conflict Productive: Can Asian Values Contribute?" at 3:30 p.m. in room 250, J.S. Coon Building.

Dec. 13
The NanoTech volunteer group will be meeting in room 102 of MIRC starting at noon. The featured speaker will be School of Chemistry and Biochemistry Associate Professor Andrew Lyon, discussing "Bioresponsive Materials from Microgels and Nanogels." For more information, visit grover.mirc.gatech.edu.

Dec. 14
Ivan Allen College’s program in Information Design and Technology hosts a demo day – featuring a diverse body of work, including projects from interactive narrative, tangible media, experimental games, augmented reality, interactive television and digital film, from 4-7 p.m. in the Westly New Media Center.

Faculty/Staff Development
Jan. 19
The Office of Sponsored Programs offers a two-hour workshop on "MIT Budgets," beginning at 10 a.m. To register, call 894-6044 or e-mail nadia.iltman@osp.gatech.edu.

Miscellaneous
Ongoing
The annual Georgia Tech Best Practices Challenge begins. Applications will be accepted until

Dec. 19. For information on criteria, awards and entry forms, call 894-1065 or visit www.orgdev.gatech.edu/bp.

Dec. 4-17
The Georgia Tech Bookstore will hold its annual campus appreciation sale, featuring a 20 percent discount for all faculty, staff and students on general merchandise, trade books, school supplies, music and DVDs. For more information, visit www bkstore.com/gatech or call 894-2515.

Dec. 7-8
A representative from TIAA-CREF will be on campus conducting one-on-one financial counseling sessions. To schedule an appointment, call 800-882-2905 or visit www.tiaa-cref.org/moc.

Dec. 9
The American Museum of Papermaking at IPST will have an open house and gift shop sale from 10 a.m. - 3:30 p.m. For more information, visit www.ipst.gatech.edu/amp.

Dec. 10
The Ferst Center for the Arts hosts a benefit for the Bright Horizons Foundation for Children, featuring an 11 a.m. performance by Dan Zanes and Friends.

Dec. 14
Each faculty and spouse/guest is invited to the Georgia Tech Faculty Women's Club Holiday Wine and Cheese Party, from 5-7 p.m. in the Alumni Faculty House. For more information, call Enas Bazzara at 404-551-9922.

Dec. 17
Fall commencement, with undergraduate keynote address by Nancy Shirley Franklin, at 9 a.m. in Alexander Memorial Coliseum. Graduate ceremony to follow at 5 p.m. For detailed information, visit www.gatech.edu/commencement.

Classifieds

AUTOMOBILES
1986 Porsche 928S. Black, excellent condition, 280K SF, 32-valve, 8-cylinder engine, automatic, sunroof, leather interior. Picture available. Asking price $10,000. E-mail delores.nogadial@gt.gatech.edu or call 770-528-7775.

2004 Mini Cooper S with 29,800 miles. Premium package, leather, climate control, Harmon Kardon sound, xenon headlights w/ washers, sunroof, dynamic stability control, free scheduled maintenance to 50K miles. Reduced to $19,500. E-mail cindy.milliron@dopp.gatech.edu.

2005 Chevrolet Cavalier, excellent condition, black exterior/ tan interior, four-door, CD player, 26K miles, $14,000. Call 404-202-4435.

COMPUTERS
IBM Thinkpad42, Like new, still under warranty, 512MB RAM, 30GB hard drive, Mobile Centrino technology. $950 OBO. $400 less than regular price. Call 770-630-2727.

FURNITURE
Macy’s sofa bed with queen-size mattress. Superb condition, asking $500. E-mail lgi130@miall.gatech.edu for pictures.

Mattress King futon mattress for sale (with cover), paid $127, sell for $75. Call 770-253-5650 or e-mail iabnet1128@yahoo.com.

Dora the Explorer toddler bed. Mattress still has original cover. Excellent condition. Will bring to campus. $50. Call 894-7588.

Oval, solid cherry Queen Anne table (with cover), paid $127, sell for $75.

Excellent condition. Will bring to campus. $50. E-mail susan.longuepee@biology.gatech.edu.

Corso pups. Females, 10 weeks old.

e-mail phurst62@mindspring.com.

2BR/1BA duplex in Grant Park, hardwood floors, ceiling fans, central heat/air, laundry room, off-street parking and large back yard. $750/month. Call 894-5788 or e-mail karen.sharpe@oit.gatech.edu.

For Rent: 3BR/1.5 BA house in Sandy Springs. 10 min to MARTA, 20 min to Tech. Extra clean, fenced back yard. Pets OK. Call 404-770-883-4386.

Aladdin Rainbow video magnifier. Allows persons with vision impairment to view printed material, objects and pictures in full color or black and white. Near-perfect condition. Originally $2,900, sell for $1,500. Call 770-509-7300 or e-mail phurst62@mindspring.com.

Dog/doghouse in very good condition. Large: $70, medium: $40. Sears X-Cargo car top carrier, used twice, $70. Call 385-1868 or e-mail ds122@me.gatech.edu.


2 full-blooded, unregistered, Cane Corso puppies. Females. 10 weeks old. Had first shots and been dewormed. Parents on premises. $350 each. Call Mr. Grant at 404-483-6148.

Brand new, retractable CRV cargo cover. $175 OBO. Tassimo drink machine, never used, $150 OBO. Tonight in shining armor. 6 foot, free-standing gold brushed tin. $350 OBO. Call 404-271-4266 or e-mail lindsay.grater@oit.gatech.edu.

E-mail ads to editor@psa.gatech.edu,