Tech Celebrates Century of Co-Op Education

DAN TREADAWAY
INSTITUTE COMMUNICATIONS

If any single initiative embodies the Georgia Tech ethos of applying academic knowledge to real-world situations, it's the Institute's Cooperative Education Program.

For the past century, the thousands of students who have excelled during their co-op assignments and in their careers have served as a testament to the program's impact. A prime example is Sarah Rieger, a 2010 Aerospace Engineering graduate.

"While working in the Orbit Flight Dynamics group at Johnson Space Center in Houston, I had the opportunity to train for a supporting position in Mission Control," said Rieger, who now works with NASA. "I also was able to complete the certification of a program that is now used by the flight dynamics officer. After I came back to school, I saw the benefits of the skills that I learned in Houston. I noticed that organization and time management came much more easily to me than they did before co-oping. I also had an even stronger motivation to do well in my classes."

This year marks the 100th anniversary of the founding of Tech's Co-op Program, the largest totally optional program and fourth oldest program of its kind in the nation. The program is consistently included in U.S. News & World Report's "Best Colleges Internships/Co-ops" list. Co-op is a part of Tech's Division of Professional Practice (DOPP), which also includes the Graduate Co-op, Internship and Work Abroad programs. "I believe in learning with a purpose," said Patrick R. Antony, executive director of DOPP. "To apply knowledge to practical solutions that make the world a better place is the cornerstone of what Georgia Tech does. Many successful alumni owe their professional and personal success to the program, as they would not have been able to afford their education at Tech without it. We look forward to the entire Georgia Tech community participating in the celebration of a century of cooperative education, which is just a tremendous milestone."

The 100th anniversary celebration — which will begin in fall 2012 — will consist of a yearlong series of events, kicking off with a 100th Birthday Bash on Sept. 18 from 11 a.m. to noon at Clough Commons. The year of celebratory events is being planned and managed by Thomas M. Akins, who retired in 2010 as DOPP Co-op's 100th anniversary kickoff will be held on Tuesday, Sept. 18, from 11 a.m. to noon in Clough Commons.

Police Make Arrest for Robbery

INSTITUTE COMMUNICATIONS

The Georgia Tech Police Department (GTPD) has charged Steven Terry (also known as "Turk") with armed robbery, burglary and possession of a firearm by a convicted felon. The arrest and indictment comes after an intensive investigation led by GTPD, with the assistance of Crime Stoppers and the Atlanta Police Department.

“Our investigators tirelessly worked on this case,” said Captain Mickey Hembree. “We were able to generate leads through Crime Stoppers and to identify two suspects responsible for the armed robbery that occurred back on July 1, 2012.”

Terry was charged by GTPD while already in Fulton County Jail on unrelated charges.

GTPD is continuing to work with Crime Stoppers and other law enforcement agencies to track down Terrance Watley, who is also known as "Boo Boo." Those with information on the location of Watley should contact the GTPD at 404-894-2300 or Crime Stoppers at 404-577-8477 (TIPS).

“Through the investigation, we've learned that these two individuals accessed the building by tailgating in
Campus News

4 Must-Have Apps for Teaching with iPads

AMELIA PAHL
INSTITUTE COMMUNICATIONS

You’ve jumped on the tablet hand- waggon and use your iPad for every- thing from checking email to perus- ing the latest news headlines. But have you ever thought of using it as a learning tool in your classes?

“It was the size of the iPad that prompted me to start using it in class,” said Damon Williams, assistant director for education for the Center for the Enhancement of Teaching and Learning (CETL). “With iPads, you and your students don’t have to deal with using white boards any more. And using this type of technology enables you to do creative things in class like have students create quick presentations.”

Williams shared his experiences with using iPads in class at CETL’s teaching kickoff event in mid-August. He estimates that about 50 percent of students in his classes have an iPad or tablet, so he creates small groups for in-class activities around students who have one of the devices.

The technology especially lends itself nicely to business and science classes because certain apps allow students to easily create diagrams and presentations, according to Williams.

Damon Williams estimates that about 50 percent of the students in his classes have iPads or tablets, which is why he has adopted using the devices as learning tools.

“And I’d encourage engineering and math professors to use iPads to slowly pull away from traditional lectures at the board and find ways to engage students in new ways,” he added.

Here are four must-have apps that Williams recommends for anyone interested in using iPads in their classes:

- **Readdle Docs for iPad**: Cost is $4.99. An all-in-one document viewer and file manager that allows users to see documents from PCs and Macs, websites, email and more in one place.
- **Adobe Reader**: Free. Similar to the version on PCs and Macs. Allows users to create presentations. Williams also suggests using the app as a way to store notes made during class presentations. The app allows users to write on PDFs with a stylus. “The trick is to create a PDF filled with as many blank pages as you like, and then you can open it and take notes in front of the class — like you would on a white board — and save them,” he added.
- **Dragon Dictation**: Free. Voice recognition app that allows users to speak words and have them translated into text or email messages. Supports a multitude of languages.
- **Popplet**: Cost is $4.99. (There is a “lite” version that is free.) App captures ideas, sorts them visually and allows for collaboration with others in real time. Works well for in-class projects that require mind mapping or creating diagrams.

Each of these apps is fully functional on a second-generation iPad, which is what Williams has. However, if you have a first-generation (there are three versions of iPads), be aware that Williams has heard rumors that some apps and other display features don’t work properly on these older devices.

For more information, contact Williams at damon.williams@cetl.gatech.edu.

www.cetl.gatech.edu

Tech Recognized Nationally for Sustained Excellence

For the 14th consecutive year, U.S. News & World Report has ranked Georgia Tech as one of the top 10 public universities in the nation.

In the magazine’s annual undergraduate report, the Institute remained ranked seventh among the nation’s top public universities. Among all national universities, Tech ranked 36th. The College of Engineering maintained its fifth place ranking for undergraduate engineering programs at universities where the highest degree is a PhD. For the full story, go to tinyurl.com/9cx4nds

**REGENTS**, continued from page 1

“Problem-driven learning aims to develop empowered, self-directed inquirers who fear- lessly seek and tackle local and global problems,” said Wendy Newsieiter, who helped develop the award-winning BME curriculum and is now director of educational research and innovation for the College of Engineering.

A team of BME faculty, including Newsieiter, BME Associate Chair for Undergraduate Studies Joe De Leux and Director of Learning Sciences Innovation and Research Barbara Faase, are scheduled to share their curriculum design approach in March 2013 during a workshop for faculty from across the state.

Potter, director of the Laboratory for NeuroEngineering, was recognized for his self- defined “real world” approach to teaching neuroscience courses. For example, students interview experts in the field and use what they learn from experts and readings to create new neuroscience articles for Wikipedia.

“Nothing is more rewarding for me than to get an email from one of my former stu- dents telling me about where they are now and how much they still appreciate and use what they learned in a class of mine,” Potter said. “To get recognition from the USG for their work properly on these older devices.

For more information, contact Williams at damon.williams@cetl.gatech.edu.

www.cetl.gatech.edu

**ARTHUR L. COOPER**, continued from page 1

executive director following a Georgia Tech career of more than three decades.

“I am looking forward to coordinating this significant event in Georgia Tech’s history,” Akins said. “As part of the effort, there will be a strong campaign to create endowment funds for the continued successful operation of Co-op and the other programs within the Division of Professional Practice. The goal is to raise over $5 million to ensure that students will be able to take full advantage of all types of experiential education, thus better preparing them for life after graduation from Tech. With state funds shrinking and the cost of attending college ris- ing at an alarming rate, there is a critical need to assist students in a meaningful way.”

**www.coop100.gatech.edu**

**ARREST**, continued from page 1

behind students,” Hembree said. “The Georgia Tech Police Department has teamed up with the Georgia Tech Housing Office on an educational campaign to make students aware of the dangers of tailgating.”

tinyurl.com/8tg9qbm

**CO-OP**, continued from page 1

The School of Aerospace Engineering presents George Laseur of Penn State University speaking on “Damping Models for Shear Beams with Applicability to Spacecraft Wiring Harnesses.” 3:30 p.m. in room 442, Aeronautics Building.

September 25

As part of Hispanic Heritage Month, Ellen Dehosa, the first Latina in space, will speak about her experiences as an astronaut at 11 a.m. in Clough Commons.

September 26

The IMPACT Series presents Mark Hengsbrung, executive VP of Global Product Management and Innovation at First Data, at 4:30 p.m. in LeCraw Auditorium, College of Business.

http://ile.gatech.edu/IMPACT.html

October 1

The School of Physics will sponsor a talk by Nick Giordano of Purdue University on the “Physics of the Piano” at 6 p.m. in room 144, Clough Commons.

www.physics.gatech.edu

Chad Mekis of Northwestern University will speak on “Nanotechnology: Learning to Think Big in a Field Focused on the Small,” as part of the Bruton Lecture Series, at 4 p.m. in room 101, Manufacturing Research Center.

www.mrc.gatech.edu

Events continue on page 3
Know What to Do, Who to Call in Emergency

AMELIA PAVLIK
INSTITUTE COMMUNICATIONS

If a shooter was loose on campus, would you know what to do?

“First and foremost, if people ever hear gunshots, they should take immediate action by evacuating the area around the shooter or locking themselves in a secure room,” said Andy Altizer, director of Emergency Preparedness at Georgia Tech. “Of course, also call the Georgia Tech Police Department (GTPD) and follow any directions that you receive from the Georgia Tech Emergency Notification System (GTENS).”

In addition, faculty, staff and students could rest assured that while they were taking these actions, campus leaders would be assembling to address the crisis, Altizer added.

The Office of Emergency Preparedness (OEP), which Altizer oversees, was created following 9/11 to plan for and react to similar situations.

“The initial focus of OEP was homeland security, but in 2007, the focus began to encompass all hazards,” he said. “Although there are still some important homeland security functions, now our primary focus is on overall emergency preparedness.”

The OEP team includes Altizer; William Smith, emergency preparedness project manager; Jennifer Mattingly, emergency preparedness coordinator; Frank Stanley, emergency preparedness program coordinator and Jason Kraft, graduate student assistant. They are available to help the campus community with emergency planning and exercises, disaster drills, training classes, notifications and Redbooks (building emergency plans).

Over the years, the group has heard a few myths when it comes to what they do and how people should react in an emergency. Here are a few that they’d like to set the record straight on:

- **MYTH:** Sirens are the only indicator there is a threat on campus.

  **TRUTH:** The sirens are only meant to warn people who are outdoors. You aren’t likely to hear them inside. To be sure you are aware of any threat on campus, opt in for GTENS. (See the article below for additional details.)

- **MYTH:** Only exit during a fire alarm when you see fire and/or smell smoke.

  **TRUTH:** There are times when an electrical fire can be inside a wall or ceiling, and you may not see the fire or smell smoke. Plus, there are times when a fire alarm is activated during a chemical spill. Exit the building any time you hear the fire alarm.

- **MYTH:** OEP staff are police officers.

  **TRUTH:** We are part of the police department, but we’re not police officers. And, no — we do not carry guns.

That final myth is why Altizer reminds people that OEP’s staff members aren’t first responders. For immediate assistance in an emergency, Altizer instructs people to call GTPD at 404-894-2300.

If you do require OEP’s services, contact Altizer with the request, which he will pass along to the appropriate person.

www.gatech.edu/emergency

3 Preparedness Tips to Remember

- Know your building evacuation plan, including multiple routes you can take out of the building. This information is included in your building’s Redbook — every building should have one — which is kept by the building manager.

- Find out where you can take shelter during severe weather such as a tornado. This information can also be found in the Redbook.

- Take a GT Emergency Preparedness Class, which is offered through the Office of Human Resources. Twenty classes that last between one and two hours are offered throughout the year — and all are free. Sign up at http://trains.gatech.edu.

Alerts Keep Community Informed, Aware

KRISTEN BAILEY
INSTITUTE COMMUNICATIONS

Clery Act Safety Alerts and Georgia Tech Emergency Notification System (GTENS) alerts are two ways that the Institute communicates to the Georgia Tech community that there is an emergency situation.

GTENS alerts are issued by the Office of Emergency Preparedness when members of the campus community should take immediate action. They are triggered by situations that the campus community should take immediate action. They are triggered by situations.

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INSTITUTE COMMUNICATIONS

Signed Up for Jacket Guardian?

Jacket Guardian allows cell phone users to make emergency calls directly to Georgia Tech’s Police Department, allowing police to pinpoint a phone’s GPS location and critical information about the registered user. All information is secure and private until the system is activated. Users also have their profile enabled to function with Atlanta’s Smart911 center. Sign up for the service at www.police.gatech.edu/services/jacketguardian.

Attached Poster

Events

MISCELLANEOUS

September 19

All female faculty members and faculty wives are invited to join the Georgia Tech Faculty Women’s Club at a reception to kick off the new year from 11 a.m. to 1 p.m. in the President’s Suite, Student Success Center.

www.gtpec.gatech.edu

September 21

Georgia Tech Scheller College of Business will honor alumnus Ernest Scheller Jr., with a special program of speakers and reception at 2 p.m. in LeCraw Auditorium, RWS1 at scheller.gatech.edu/rep-scheller

September 24

A faculty town hall on the proposed Open Access Policy for Georgia Tech will be held at 4 p.m. in room 144, Clough Commons.

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

Classifieds

AUTOMOBILES

1930 A-Model Ford Standard Coupe. Completely restored, all original. Two-tone brown and tan with black fenders, whale shoe stripes and wheels. Less than 300 miles since restoration. $18,500. Email mark.schrock@att.net. gaetech.edu.

BMW 323i convertible, 1999. Sport and rollbar package, 5-speed automatic, upgraded wheels, stereo. Black with tan leather interior. Almost new tires. Excellent shape. Contact 678-448-2167 or rustyembry@att.net. $5,900.

REAL ESTATE/ROOMMATES

Rental to share in Avondale Estates. Private BR/BA with full access to house. Basement for storage. Great location. $600 per month. Utilities included. Email dlsdipgo@bellsouth.net.


3BR/2.5BA in Brookhaven neighborhood. 9 ft. ceilings, hardwood floors, gas fireplace. Whole kitchen and sunroom. Master suite with spa bath, separate shower, whirlpool tub and double vanities. Two-car garage. Deck, fenced backyard. Rent is $2,200. Call Van at 404-759-6513.

Furnished home available in hip East Atlanta. 3BR/2BA, screened-in porch, artist’s studio, eat-in kitchen and huge backyard. Aug. 15 to June 1 (dates flexible). $1,445/mo. plus utilities. Contact laura.bier@hts.gatech.edu.

3BR/1BA conds in Vineyard, 15 to 20 minutes to Tech. Unparalleled amenities, penthouse level, two parking spaces, upgrades and spectacular views. $499,000. Contact Enas at 404-951-9022.

Clery Act Safety Alerts

10/29/09 - 7/1/12
63 Safety Alerts
More than 70% Occurred Off Campus
30% Involved Non-Tech
47 Off Campus
16 On Campus
44 Involved GT Community
19 Involved Non-Tech
Tech Campus
Safety Alert Boundary
Safety Alert Location

www.gatech.edu/emergency

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Classifieds continue on page 4

www.whistle.gatech.edu
For South, All Roads Lead Back to Tech

AMELIA PAVLIK
INSTITUTE COMMUNICATIONS

Perched on a shelf in Richard South’s office is the kind of 1960s desktop cigarette lighter you’d spy in an episode of “Mad Men.” It’s a remembrance of South’s grandmother, Mary Louise Holbyee, who worked at the university from 1964 to 1984.

“In those days, everyone smoked, and she kept the lighter handy for the important people who visited our office,” said South, who is a financial administrator and recruiting coordinator for Career Services. “She passed away in recent years, and the lighter is one of the reminders I have of grandma and the memories I made with her at Tech when I was little.”

As a child, South would help Holbyee deliver Christmas cards to people across campus every December, and he would often accompany her to the Carnegie Building once a year to deliver a homemade coconut cake that she made annually for the sitting president of Tech.

“Tech has always been such a big part of my life, so after graduating from high school, I took a job in the police department (GTPD) in 1988 as the morning watch dispatcher,” South added.

He worked his way up through the ranks of the department until he became the liaison between GTPD and the Georgia Bureau of Investigation. But in 1995, he realized it was time to pursue another dream outside of Tech — his love for ministry and music.

Recently, the Whistle had an opportunity to learn more about South’s story and his time at Tech.

How did you get back to Tech?

After I left, I traveled full time as a gospel singer and minister. I also became involved in a Christian television ministry and have been on a variety of programs over the years. Although I loved doing this (and still continue to minister and make music in my free time), as the economy went downhill, I needed to find a way to supplement my income. So in 2009, I was lucky to find my current position.

Tell us a bit about your job.

I manage all of the finances for Career Services and manage the logistics (including scheduling rooms and times) for companies that visit campus to recruit our students.

Where is your favorite spot on campus?

Actually, my favorite spot closed in 1992 when First Place opened. It was the faculty and staff dining room, which was located in the Library. This was one of the places my grandma always took me as a child, and I continued to eat there when I worked in GTPD.

What piece of technology could you not live without?

Because I love music so much, it would have to be my CD player.

What is the greatest risk you ever took?

It would have to be leaving my job at Tech in the 1990s to pursue my dream of being a musician and joining the ministry. I didn’t have a booking or much of a plan, but it paid off.

Where is your favorite place to eat lunch?

Lately, I’ve been on a diet — and have lost 50 pounds so far — so it’s probably the salad bar at First Place in the Student Center.

Tell us something unique about yourself that others might not be aware of.

I was working at a church that was looking to get rid of an old typewriter. I took it, and the next I knew I was selling old IBM typewriters and adding machines. It’s always a great icebreaker when the IBM recruiters visit campus.

What is the best advice you’ve ever received?

No one can make you feel bad about yourself without your permission — so don’t give your permission.

Volunteer or Donate to Charitable Campaign?

We’re looking for stories about why people donate or volunteer for the charitable campaign. To share yours, email editor@comm.gatech.edu.

www.ohr.gatech.edu/ohr}

www.health.gatech.edu