**Living History Conducts 1,000th Interview**

**Melissa Weinman**

Alumni Association

Georgia Tech’s most famous student – George P. Burdell – has achieved yet another accolade after being asked to record his story for Georgia Tech’s Living History Program.

**Institute Communications**

**Kristen Bailey**

Institute Communications

Policing can be a logistical challenge — scheduling officers for shifts, deploying them to various zones, and tracking where and when crime happens. When it comes to protecting the Georgia Tech campus, it only makes sense that the Georgia Tech Police Department (GTPD) would partner with some of the best industrial engineers in the country to do it right.

It was about a year and a half ago when David Goldberg, assistant professor in Georgia Tech’s H. Milton Stewart School of Industrial and Systems Engineering, contacted GTPD to see if he could make himself useful in the department’s work. Goldberg’s research focuses on applied probability, optimization, and machine learning.

“I wanted to find a way to use my work on campus,” he said. “Sometimes as an academic you lose sight of what you can do right here.”

Since then, Goldberg and a team of undergraduates have been working with GTPD and the Atlanta Police Department (APD) to make enhanced use of their

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**New Core Campus Team Ditches Cars for Bikes**

**Rachael Pocklington**

Institute Communications

If you’ve recently noticed police officers in fluorescent yellow shirts riding bikes on campus, you are not alone. This highly visible four-member team is the newest creation of the Georgia Tech Police Department (GTPD), designed to enhance campus safety and community outreach.

The GTPD Core Campus Team launched on June 11 as one of several changes born out of an in-depth analysis of data related to calls for service. Analysis included comparison of the call nature, timing, and location during the 12-hour shifts worked by all patrol officers.

“After looking at the data, it was clear that we had opportunities to reevaluate our resources and deploy officers more effectively,” said GTPD Chief Rob Connolly. “Two visible changes are the creation of the Core Campus Team that will patrol the interior campus by foot, Segways, and bicycles.”

Using non-traditional methods of transport provides the Core Campus Team with distinct advantages. For one, officers on bikes are able to interact in a more personal manner with the community.

“I can easily hop off my bike to talk with students on Tech Walk or business owners in Tech Square,” said Sergeant Gary Cook. “Bikes give us a natural opportunity to engage with people face to face, listen to their concerns, and find out how we’re doing. That’s harder to do from a patrol car.”

In addition to actively building relationships with the campus community, bike officers can quickly access areas of campus typically off-limits to cars. As Tech continues to grow the number of pedestrian-friendly areas on campus, the increased visibility of GTPD’s presence on the

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**Industrial Engineers Lend Expertise to Crime Analysis**

**Kristen Bailey**

Institute Communications

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**Campus Police Work to Optimize Operations**

**Rachael Pocklington**

Institute Communications

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Events continued on page 3
El-Sayed Earns Top Chemistry Honor

SCHOOL OF CHEMISTRY AND BIOCHEMISTRY

Some people just don’t know when to slow down. Eighty-two-year-old Mostafa A. El-Sayed is one of them.

For nearly 60 years, El-Sayed, Regents Professor and Julius Brown Chair in the School of Chemistry and Biochemistry, has conducted highly acclaimed chemistry research and served as a chemistry educator and journal editor. In recognition of his decades-long contributions to chemistry, El-Sayed will receive the Priestley Medal, the highest honor from the American Chemical Society, in 2016.

During his extensive scientific career, El-Sayed, who directs Georgia Tech’s Laser Dynamics Laboratory, has carried out numerous lines of research. After moving from his native Egypt to the United States for Ph.D. and postdoctoral studies, El-Sayed began his independent research career in 1961 at the University of California, Los Angeles, before coming to Georgia Tech more than 20 years ago. These two periods have been marked by distinguished contributions to two diverse areas of research: molecular electronic energy relaxation and the science and technology of nanoscale objects. In the past several years, El-Sayed has managed to knit these topics together, pioneering the biological application of nano-plasmonic phenomena and materials.

Among many other honors, El-Sayed was awarded the National Medal of Science in 2007, and he continues to serve on the President’s National Medal of Science Selection Committee. He is an elected member of the U.S. National Academy of Sciences as well as a fellow of the American Association for the Advancement of Science, and was editor-in-chief of the Journal of Physical Chemistry for 24 years.

At Georgia Tech, he has anchored the continued development of an internationally renowned physical chemistry division while embodying the Institute’s dedication to interdisciplinary science and technology. He even has a spectroscopy rule named after him.

More than 70 students have earned their Ph.D. degrees in the El-Sayed laboratory, and more than 80 postdoctoral scientists, research scientists, and visiting professors have engaged in research under his direction. The El-Sayed group has been supported by more than $18 million in external funding, publishing more than 680 papers. More than half of the 65,000+ citations to his work in the scientific and patent literature have occurred in the past five years, a testament to the cutting-edge nature and practical relevance of his research. He currently directs research on nanoparticle-based anticancer therapy in both the U.S. and Egypt.

“This is wonderful news, just fantastic,” El-Sayed said of the honor. “I am lucky to have been in the right place and with the right society,” he added, referring to his years of service to the American Chemical Society.

— Chemical & Engineering News

Contributed to this story

Moments in Living History

We asked Marilyn Somers to select a few highlights from the 1,000 interviews she has conducted so far. View excerpts from four notable interviews at www.c.gatech.edu/livinghistory1000.

Alumni Association’s Board of Trustees and president of Baker Audio, caught wind of the idea and liked it so much he donated $100,000 to the George P. Burdell Living History Endowment Fund that will help Living History collect the next 1,000 stories about Georgia Tech.

The Living History Program was established in 1994 when Somers, then serving as director of communications for the Georgia Tech Alumni Association, received a call from a nursing home looking for a recording of the Ramblin’ Wreck fight song to play at the 100th birthday party of an alumnus.

“I thought, I bet that guy has a cool story to tell,” Somers said.

Soon, Somers realized she wanted to find a way to interview aging alumni about their experiences and memories of Georgia Tech before it was too late.

Duke Mewborn, then a member of the

FACULTY AND STAFF ACHIEVEMENTS

Karen Head, assistant professor in the School of Literature, Media, and Communication and director of the Communication Center, assumed the role of editor of Southern Discourse in the Center: A Journal of Multiliteracy and Innovation, one of four peer-reviewed journals that focus on writing center scholarship.

Jacqueline J. Royster, dean of the Ivan Allen College of Liberal Arts, joined the Board of Directors of the World Affairs Council of Atlanta. The Council provides a forum for dialogue, a source of expertise, and an engine for research on international issues affecting Atlanta.

James Wilburn, military academic program director for Georgia Tech Professional Education, was appointed by Georgia Governor Nathan Deal to the State Workforce Development Council.

Ronghu Wu, assistant professor in the School of Chemistry and Biochemistry, earned a National Science Foundation CAREER Award for his work developing new methods to globally analyze glycoproteins in complex biological samples.

EVENTS

July 10

The Language Institute hosts its weekly Language Cafe, where English speakers can practice other languages with international students who are native speakers, from noon to 2 p.m. in the O’Keefe Courtyard. The Language Cafe also takes place this summer on July 17 and 24.

esl.gatech.edu

July 10

The Student Center hosts a free screening of Fumin’s 7 at Dodd After Dark, Georgia Tech’s outdoor summer movie series in Bobby Dodd Stadium. Gates open at 7 p.m. and the movie begins around 8 p.m. Additional information at c.gatech.edu/doddafterdark

July 17

Join the Georgia Tech Drupal Users Group for a gathering of Drupal aficionados with a variety of skill sets and levels of knowledge. Meetings take place monthly from 10 to 11:30 a.m. in the Bradley Conference Room inside Highland Bakery.

drpupal.gatech.edu/monthly-meetings

July 24

Last day of summer classes.

registrar.gatech.edu

July 27

The LGBTQIA Resource Center hosts a Safe Space Training Program session from 12:30 to 4:30 p.m. This fall training program is open to all faculty, staff, and students who have a sincere interest in learning more about how to be an ally to the LGBTQIA community. Learn more and register at c.gatech.edu/safespace

July 27-31

Final exams for late short summer and fall full summer sessions.

registrar.gatech.edu

August 12-13

Graduate Student Employees Processing offers an opportunity for graduate students (GRA/GTA/GA) to complete new hire paperwork in a one-stop shop from 9 a.m. to 4 p.m. on the third floor of the Clough Commons. Representatives from the U.S. Social Security Administration will be in attendance, as well as a select group of banks.

ehr.gatech.edu/graduatesprocessing

August 16

New Student Convocation takes place from 5 to 6 p.m. in McCain Pavilion.

c.gatech.edu/convocation

August 17

Classes begin for the fall semester.

registrar.gatech.edu

For a more comprehensive listing of events or to add one of your own, visit calendar.gatech.edu

THE WHISTLE • July 6, 2015 • PAGE 3

www.whistle.gatech.edu
Georgia Tech is known for many things — world-renowned academics and research, entrepreneurial students, and the legendary George P. Burdell. More recently, Tech is also becoming recognized for its thoughtful stewardship of its trees.

Georgia Tech's campus is home to more than 11,400 trees. While the most popular by far is the common crape myrtle, the campus hosts approximately 130 species of trees that add value to the design and character of the campus.

"Most first-time visitors to campus are really surprised to discover the abundance of trees and green space," said Jason Gregory, senior educational facilities planner and landscape architect with Capital Planning and Space Management. "But the trees are important for other reasons too — namely their ability to help with water conservation goals and reduce the campus' heat island effect, which ultimately helps conserve energy. As Tech moves forward with its sustainability agenda, the planning and management of our urban landscape will be key to our success."

Georgia Tech's current landscape is a living product of the Landscape Master Plan, which dates back to 2006. It contains the prescriptions to construct a performance landscape by revitalizing the campus green space and using trees as a sustainable resource that gives back to the campus in many ways.

"Most people don't realize how much planning and work it takes to maintain a campus like Tech," Gregory said. "The campus was awarded the Professional Grounds Management Society certification last fall, which reflects our commitment to the concept of designing an urban landscape that is attractive, healthy, and sustainable."

This care for Tech's living campus also sometimes requires the responsible removal of trees — for tree health, community safety, and the growth of campus. These culled trees are replaced, and when the opportunity presents itself, some trees can be recycled, as is demonstrated in a new wooden staircase in the Engineering Biosystems Building.

The trees keep giving in other ways, too, including providing educational opportunities to the community. Gregory has presented plans for the Campus Arboretum to an Urban Forestry class in Earth and Atmospheric Sciences and an Environmental and Ecocriticism class in the School of Literature, Media, and Communication. His office is also actively pursuing an arboretum certification, which by definition elevates Tech's green space to a living-learning laboratory. Updates on the arboretum certification will be shared this fall.

In addition, Georgia Tech's Tree Campus USA committee has been maintaining data including the trees' species, height, canopy size, and health since 2012. In a partnership with the Center for Geographic Information Systems in the College of Architecture, this data will be combined with other data, such as stormwater metrics, to truly understand tree performance and help model and measure the campus landscape for many years to come.

Learn more about the Landscape Master Plan at www.space.gatech.edu.

Alisha Oliver-Staley, director of affiliated organizations in Legal Affairs and Risk Management, hosts approximately 130 species of trees that add value to the design and character of the campus.

An aerial view from the roof of the Georgia Tech Library shows the lush tree coverage that spans much of Tech's campus. The North Avenue Apartments and downtown Atlanta skyline are visible in the background.