Making an IMPACT
ILE speaker series a mainstay on campus

Robert Nesmith
Communications & Marketing

Each Wednesday during the academic year, the College of Management’s LeCraw Auditorium serves as a forum for business leaders and entrepreneurs from across the country. Attendees are given an up-close look into the speakers’ thought processes, leadership and business strategies, often involving one-on-one conversation.

Officially started by Professor Terry Blum during her tenure as dean, the IMPACT Speaker Series has welcomed a diverse group of speakers, from Tech alumnaus Ray Anderson of Interface Inc., S. Truett Cathy of Chick-fil-A and Bernie Marcus of Home Depot to Jack Welch of General Electric, best-selling author Thomas Friedman and former Vice President Al Gore. Blum said she chose the name for the series because, as a noun and a verb, it can describe both action and results.

Blum established the Institute for Leadership and Entrepreneurship (ILE), which currently sponsors the series, in 2003. The group works to establish partnerships throughout the campus, city and around the world. ILE also works with students to develop values-based leadership skills and become socially responsible entrepreneurs.

“[Professor] David Kus and I had developed a curriculum in technology entrepreneurship for biomedical research that expanded to other engineering and science students,” she said. “We were part of the Roundtable for Engineering Entrepreneurship at Stanford and saw that they had speakers coming to campus routinely, so we captured the idea and morphed it to include corporate entrepreneurship and innovation, as well as leadership that is all about imagining and enacting alternative futures.”

For the last three years, Doré Pap—an ILE research scientist—has worked to assemble the speakers and keep the series moving successfully. Locating and requesting the speakers is one of the most interesting and exciting parts of the job, she says. “We try and find a good mix of [speakers]—both from for-profit and non-profit [organizations], as well as from established and new corporations.”

Attendance has been robust since the inception, Pap says. Originally drawing 60 or 70 attendees, each week’s seminar averages roughly 200 to 250 people. “When Gary Schilling came back to campus,” she said, “the attendees increased to 500 or more.”

Pap said, “The main concern [for those of us in ILE] is being an interdisciplinary Institute, and the main topics we cover are entrepreneurship, leadership, sustainability, innovation and corporate social responsibility.”

The campaign includes 44 independent charitable organizations, ranging from Georgia Public Broadcasting, the Arthritis Foundation and Keep Georgia Beautiful to the Georgia Cancer Coalition. Participants can also choose from nine independent charitable federations—such as Community Health Charities of Georgia Inc., Children’s Advocacy Centers of Georgia, the Georgia Black United Fund and Global Impact—and 33 United Way chapters.

The campaign, which offers more than 1,200 charitable organizations to which state employees can donate, has grown significantly since its inception. This year, the campaign, which offers more than 1,200 charitable organizations to which state employees can donate, has grown significantly since its inception. Each year, the Charitable Contributions Program begins with the faculty/staff newspaper Georgia Tech’s Faculty/Staff Newspaper • Vol. 34, No 28 • October 19, 2009

PEOPLE

Physicist: Studying lizards since age 5

Georgia Tech physicist Daniel Goldman recently helped figure out how sandfish — small lizards with smooth scales — move rapidly underground through desert sand. (Live Science)

http://tinyurl.com/ybcia2

NEWS

Teens sentenced in campus attacks

A judge Tuesday sentenced Robert Hodge to 30 years in prison while his accomplices DeAngelo Love and Maurice Brown each received 25 years in prison in the attacks on Patrick Whaley and Carsten Singh in May. (WSB Radio)

http://tinyurl.com/yzj4ewg

RESEARCH

Will Trash Cars Get Smart?

In the not-so-distant future, the proverbial trash can may be “smart” enough to recognize its contents and help route them to the appropriate destination for recycling. (Wall Street Journal)

http://tinyurl.com/yhmzqmu

EVENTS

ARTS & CULTURE

October 22, 26

The French Film Series continues with “The Dreamlife of Angels,” Oct. 22, and “Hula,” Oct. 26. Screenings are at 7 p.m. in the Clary Theater of the Student Success Center.

www.cinema.gatech.edu

October 23

Poetry at Tech welcomes David Baker and Khadijah Queen. At 7 p.m. in the Academy of Medicine. There is no cost. www.poetry.gatech.edu

Parsons Dance, collaborating with the East Village Opera Company, presents “Remember Me,” 8 p.m. at the Ferst Center for the Arts. Tickets are $20 to $42, $20 to $33.50 with subscription. www.ferstcenter.gatech.edu

October 24

 Saxophonist, composer and producer Kim Waters will perform at the Ferst Center for the Arts, at 8 p.m. Tickets are $20 and $36, $20.80 and $28.80 with subscription. www.ferstcenter.gatech.edu

CONFERENCE/ LECTURES

October 20

Armstrong Atlantic State University Professor George C. Shields presents “Computational Design of a Small Peptide that Inhibits Breast Cancer,” at 4 p.m. in the Kresge Auditorium of the Zuckerman Institute.

Calendar continues on page 2

Campaign kick-off
Charitable giving program begins

Robert Nesmith
Communications & Marketing

Faculty and staff members again have the opportunity to give to the organizations of their choice, as Tech kicks off the 2009–2010 State Charitable Contributions Program today.

Themed “Help Build a Brighter Tomorrow,” the state employee charitable campaign initiative seeks to top contributions from last year—despite a bleak economic outlook. Georgia’s State Personnel Administration oversees the campaign, which offers more than 1,200 charitable organizations to which state employees can donate.

The campaign includes 44 independent charitable organizations, ranging from Georgia Public Broadcasting, the Arthritis Foundation and Keep Georgia Beautiful to the Georgia Cancer Coalition. Participants can also choose from nine independent charitable federations—such as Community Health Charities of Georgia Inc., Children’s Advocacy Centers of Georgia, the Georgia Black United Fund and Global Impact—and 33 United Way chapters.

“There truly is something for everyone here,” said Tech Charitable Campaign Co-chair Ralph Mobley, director of Career Services. “People can be certain that their donations are going to the organizations of their choice.”

For more information

www.gatech.edu/vision

IMPACT, continued on page 4
Events

Green Partners

Tech joins federally funded Center for Sustainable Engineering

A federally funded center dedicated to raising awareness and improving education of sustainable engineering practices now counts Georgia Tech among its members.

Created by The National Science Foundation and the Environmental Protection Agency in 2003, the Center for Sustainable Engineering (CSE) is charged with assisting engineering educators in the transition to a new engineering paradigm based upon the concept of sustainability.

One such service is the CSE Electronic Library, where educators may freely access or submit peer-reviewed educational modules connected to sustainable engineering practices. They also are able to review the CSE's assessment of sustainable engineering programs and courses in the United States. In the future, these measures of quality will be used to recognize programs of excellence in sustainable engineering education.

Two faculty members helped found the Center and continue to serve on its Executive Board. Professor John Crittenden, director of the Brook Byers Institute for Sustainable Systems, is an accomplished expert in waste management, pollution prevention, and sustainable and environmental engineering. Associate Professor Yongshe Chen, in the School of Civil and Environmental Engineering, is an expert in environmental implications of nanotechnology and sustainable biofuels.

Other faculty with ties to the CSE include Associate Professors Valerie Thomas in the School of Industrial and Systems Engineering and Adjo Amekudzi in the School of Civil and Environmental Engineering, who have participated in workshops that provide assistance to engineering educators who want to integrate sustainable engineering content to their curriculum. Learn effective ways to teach sustainability or obtain funding for educational innovations. University partners include Carnegie Mellon University, the University of Texas at Austin and Arizona State University.

As the global population grows and standards of living improve, there will be increasing stress on the planet’s limited resources. Future generations of engineers will face pressures to use these resources more efficiently, while at the same time satisfying an ever-increasing demand for goods and services. To prepare for these challenges, engineers will need to understand the impact of their decisions on built and natural systems, as well as be adept at working closely with planners, decision makers, and the general public. Sustainable engineering emphasizes these and related issues.

“The CSE is a tremendous resource for Georgia Tech to share with the world its leading advances in sustainable engineering education, and to prepare for the future,” said John Crittenden. “I encourage all faculty to take advantage of everything the CSE has to offer.”

For more information
www.csegin.org
www.sustainable.gatech.edu

Team brings The Tower to publication

Undergraduate research journal showcases, inspires and promotes emerging researchers

The Tower, Tech’s undergraduate research journal, on Oct. 1 celebrated the publication of its first print edition.

Held in the library’s first floor west commons, the event brought together many of the students, faculty and staff who worked to make the initiative a reality.

In the spring of 2007, then-student Mark Youngblood approached Karen Harwell, director of Undergraduate Research and faculty advisor to The Tower, with the idea to develop an undergraduate research journal. At the same time, the Library and Information Center was formulating similar plans. Harwell united the two groups, forming one of many collaborations that have helped advance the project.

“[Faculty, staff and students] wanted a centralized mechanism to show the depth and quality of undergraduate research, and to create opportunities for students to participate in the peer review journal process—an experience that undergraduates don’t usually get,” Harwell said.

The Tower, seeking to showcase undergraduate research, inspire academic inquiry and promote the Institute’s commitment to undergraduate research, became an official student publication in fall 2007 and published its first edition online in fall 2008.

“Peer recognition is important,” said Mac Pitts, director of Student Publications and Media. “The Tower allows interested students to see their works highlighted. Examples of quality academic collaboration are rewarding for the students involved in research as well as the students involved in The Tower.”

The ambitious journey from creation to publication in one year required countless conversations with the campus community, both to educate and encourage participation in The Tower.

“We contacted department heads, attended FASET, spoke with GT 1000 classes, worked with the Library and the Student Publications Board...there were so many people involved in making this happen,” said Harwell. Though staffed by nearly 50 students, more than 40 Georgia Tech faculty and staff also volunteered their time to the advice and review of the journal.

Former Tower editor Dianne Palladino (PSYCH’08) noted that the establishment of an undergraduate research journal “was attempted in the past, but this time it succeeded because of teamwork across the Institute.”

The notion of teamwork as a building block for The Tower takes many forms. Student editors strive to equally represent research across all of Georgia Tech’s colleges. The latest edition of the paper included articles from renewable plastic to an examination of eugenics and Oliver Wendell Holmes Jr.

Faculty advisors also assist in the evaluation of papers. Literature, Communication and Culture Professor Rebecca Burnett, “laid the groundwork for the review process and submission guidelines,” Palladino said. Faculty reviewers and the Review Advisory Board, comprised of faculty and staff from each college, also help students learn how to evaluate a paper for methodologically sound data.

“The Tower was founded by a group of research-passionate undergraduate students with guidance from supportive faculty members,” said current Tower editor Chuyong Yi in her letter to readers. She urges undergraduate students to participate in the journal process because “it is a great learning opportunity for those who are involved in any shape or form.”

Copies of The Tower are free and can be picked up at distribution racks in the Library and Student Center. Previous editions of The Tower are available online.

For more information
www.gttower.org

Research

SARAH MALLORY
COMMUNICATIONS & MARKETING

The Tower, Tech’s undergraduate research journal, on Oct. 1 celebrated the publication of its first print edition.

Held in the library’s first floor west commons, the event brought together many of the students, faculty and staff who worked to make the initiative a reality.

In the spring of 2007, then-student Mark Youngblood approached Karen Harwell, director of Undergraduate Research and faculty advisor to The Tower, with the idea to develop an undergraduate research journal. At the same time, the Library and Information Center was formulating similar plans. Harwell united the two groups, forming one of many collaborations that have helped advance the project.

“[Faculty, staff and students] wanted a centralized mechanism to show the depth and quality of undergraduate research, and to create opportunities for students to participate in the peer review journal process—an experience that undergraduates don’t usually get,” Harwell said.

The Tower, seeking to showcase undergraduate research, inspire academic inquiry and promote the Institute’s commitment to undergraduate research, became an official student publication in fall 2007 and published its first edition online in fall 2008.

“Peer recognition is important,” said Mac Pitts, director of Student Publications and Media. “The Tower allows interested students to see their works highlighted. Examples of quality academic collaboration are rewarding for the students involved in research as well as the students involved in The Tower.”

The ambitious journey from creation to publication in one year required countless conversations with the campus community, both to educate and encourage participation in The Tower.

“We contacted department heads, attended FASET, spoke with GT 1000 classes, worked with the Library and the Student Publications Board...there were so many people involved in making this happen,” said Harwell. Though staffed by nearly 50 students, more than 40 Georgia Tech faculty and staff also volunteered their time to the advice and review of the journal.

Former Tower editor Dianne Palladino (PSYCH’08) noted that the establishment of an undergraduate research journal “was attempted in the past, but this time it succeeded because of teamwork across the Institute.”

The notion of teamwork as a building block for The Tower takes many forms. Student editors strive to equally represent research across all of Georgia Tech’s colleges. The latest edition of the paper included articles from renewable plastic to an examination of eugenics and Oliver Wendell Holmes Jr.

Faculty advisors also assist in the evaluation of papers. Literature, Communication and Culture Professor Rebecca Burnett, “laid the groundwork for the review process and submission guidelines,” Palladino said. Faculty reviewers and the Review Advisory Board, comprised of faculty and staff from each college, also help students learn how to evaluate a paper for methodologically sound data.

“The Tower was founded by a group of research-passionate undergraduate students with guidance from supportive faculty members,” said current Tower editor Chuyong Yi in her letter to readers. She urges undergraduate students to participate in the journal process because “it is a great learning opportunity for those who are involved in any shape or form.”

Copies of The Tower are free and can be picked up at distribution racks in the Library and Student Center. Previous editions of The Tower are available online.

For more information
www.gttower.org

Published weekly throughout the academic year and bimonthly throughout the summer by Georgia Tech Communications & Marketing.
Editor: Robert Nounith
Photos: Rob Prill, unless noted
Calendar submissions e-mailed to editor@comm.gatech.edu, or faxed to 404-894-7811 prior to desired publication date. Classified submissions are on a one-time, fixed-spread basis. For more information, call 404-894-4142.
Archived issues of The Whistle can be accessed electronically through the Georgia Tech Web page, or directly at www.whistle.gatech.edu.
Georgia Tech is a unit of the University System of Georgia.

Team brings The Tower to publication

Undergraduate research journal showcases, inspires and promotes emerging researchers

The Tower, Tech’s undergraduate research journal, on Oct. 1 celebrated the publication of its first print edition.

Held in the library’s first floor west commons, the event brought together many of the students, faculty and staff who worked to make the initiative a reality.

In the spring of 2007, then-student Mark Youngblood approached Karen Harwell, director of Undergraduate Research and faculty advisor to The Tower, with the idea to develop an undergraduate research journal. At the same time, the Library and Information Center was formulating similar plans. Harwell united the two groups, forming one of many collaborations that have helped advance the project.

“[Faculty, staff and students] wanted a centralized mechanism to show the depth and quality of undergraduate research, and to create opportunities for students to participate in the peer review journal process—an experience that undergraduates don’t usually get,” Harwell said.

The Tower, seeking to showcase undergraduate research, inspire academic inquiry and promote the Institute’s commitment to undergraduate research, became an official student publication in fall 2007 and published its first edition online in fall 2008.

“Peer recognition is important,” said Mac Pitts, director of Student Publications and Media. “The Tower allows interested students to see their works highlighted. Examples of quality academic collaboration are rewarding for the students involved in research as well as the students involved in The Tower.”

The ambitious journey from creation to publication in one year required countless conversations with the campus community, both to educate and encourage participation in The Tower.

“We contacted department heads, attended FASET, spoke with GT 1000 classes, worked with the Library and the Student Publications Board...there were so many people involved in making this happen,” said Harwell. Though staffed by nearly 50 students, more than 40 Georgia Tech faculty and staff also volunteered their time to the advice and review of the journal.

Former Tower editor Dianne Palladino (PSYCH’08) noted that the establishment of an undergraduate research journal “was attempted in the past, but this time it succeeded because of teamwork across the Institute.”

The notion of teamwork as a building block for The Tower takes many forms. Student editors strive to equally represent research across all of Georgia Tech’s colleges. The latest edition of the paper included articles from renewable plastic to an examination of eugenics and Oliver Wendell Holmes Jr.

Faculty advisors also assist in the evaluation of papers. Literature, Communication and Culture Professor Rebecca Burnett, “laid the groundwork for the review process and submission guidelines,” Palladino said. Faculty reviewers and the Review Advisory Board, comprised of faculty and staff from each college, also help students learn how to evaluate a paper for methodologically sound data.

“The Tower was founded by a group of research-passionate undergraduate students with guidance from supportive faculty members,” said current Tower editor Chuyong Yi in her letter to readers. She urges undergraduate students to participate in the journal process because “it is a great learning opportunity for those who are involved in any shape or form.”

Copies of The Tower are free and can be picked up at distribution racks in the Library and Student Center. Previous editions of The Tower are available online.

For more information
www.gttower.org

Published weekly throughout the academic year and bimonthly throughout the summer by Georgia Tech Communications & Marketing.
Editor: Robert Nounith
Photos: Rob Prill, unless noted
Calendar submissions e-mailed to editor@comm.gatech.edu, or faxed to 404-894-7811 prior to desired publication date. Classified submissions are on a one-time, fixed-spread basis. For more information, call 404-894-4142.
Archived issues of The Whistle can be accessed electronically through the Georgia Tech Web page, or directly at www.whistle.gatech.edu.
Georgia Tech is a unit of the University System of Georgia.
On Oct. 7, students in the MGT 3660 International Business class heard from someone who has had a bit of experience in this arena.

Georgia Gov. Sonny Perdue presented a lecture to the class and answered questions, tutoring the future Tech graduates as those who excel in both the international and business arenas. “You are in a very unique place,” he said. “I find Georgia Tech graduates in places of importance throughout the entire world.”

Perdue spoke on the importance of conducting business globally, saying that his job as governor broadened his perspective into the global business arena. He told the class that the summer of 1996 served as the catalyst for attracting international businesses, both here and abroad. “The Olympics illuminated Georgia and Atlanta to the world, but it also opened Georgians’ eyes to the rest of the world.”

He cited the state’s strategic advantages, such as its lower tax structure and the location of the Savannah and Brunswick ports, as reasons for global companies to seek out Georgia as a place to conduct business. “It’s important for Georgia to be economically successful,” he said. “A strong economy boosts the state’s education, safety and overall prosperity and wealth creation.” Perdue spent an hour speaking and answering students’ questions.

When asked what the state does that is unique to attract global businesses, Perdue said the state continues to fund 10 international offices while similar offices in other states are closing. Georgia also has a chief of Protocol position and an International Business Liaison.

Breakfast with President Peterson

President Bud Peterson began hosting small groups of faculty, staff and students for breakfast in his office one or two times per month. Each breakfast will be an informal, unstructured time when the president can meet and engage in conversation with people from all areas of campus. Administrative leaders were asked to suggest faculty, staff and students to form a pool of potential guests.

High-performance computing

Tech is implementing a transparent, collaborative and faculty-centric governance model for acquiring, managing and supporting high-performance computing resources used for a fast-growing portfolio of scientific research. Over the past 18 months, a group of faculty representing multiple colleges has worked to create a framework for hosting, allocation and support that will conserve campus resources.

Implementation is currently under way with replacement of a large resource hosted in an off-campus site, and will continue with expanded capacity in the Rich Computer Center. In addition, the model provides for a smaller faculty dedicated to investigating and supporting next-generation heterogeneous architectures for computing. For information, contact Ron Hutchins in OIT.

ARRA update

Program sponsors have awarded more than $20 million in American Recovery and Reinvestment Act funding to Tech, with the National Science Foundation (NSF) and the National Institutes of Health (NIH) providing the majority of funding. Among the programs funded, topic areas range from research fellowships and global education to designing new research instrumentation and CAREER awards.

To date, the largest award received is $2.5 million from the NSF. This award, for “Operation Reboot,” is an effort in the College of Computing seeking to transform a preliminary group of 30 IT workers in Georgia into high school computing teachers.

Provost’s retreat

On Oct. 3, several academic administrators, faculty and students attended the annual Office of the Provost Retreat. The theme of the retreat was “Understanding the Academic Experiences of our Undergraduate Students.” The day focused on three main topics: Student Experience Studies, Grade Analysis and Academic Integrity. The presentations and lively conversations that day initiated what will be a continuing campus discussion of these topics—follow-up actions will be announced shortly.

Dean searches

The Ivan Allen College dean search committee has been working with a search firm to build a pool of candidates. They will be meeting in late October to begin reviewing applications and nominations. More information is available at www.iac.gatech.edu.

The College of Computing dean search committee is collaborating with senior faculty to identify potential candidates for the position of Dean of the College of Computing. More information about the search is available at www.cc.gatech.edu.

As part of an ongoing effort for enhanced communication by the Office of the President, Office of the Provost and Office of the Executive Vice President for Research and Finance, this feature provides a brief snapshot of issues and projects of interest to the campus community. Carnegie News Briefs is published monthly in The Whistle. Questions can be directed to Jennifer Horazy at jennifer.horazy@carnegie.gatech.edu.
Mayoral, city council candidates address students

The Institute for Leadership and Entrepreneurship presented its latest speaker series event on Tuesday, April 5, in the Public Lecture Hall of the Student Center.

The event featured Dr. Sheryl Scopa, former vice president of the United States' Central Intelligence Agency (CIA) and former National Intelligence Officer, who spoke about “Sustaining a Nation’s Intelligence Mission.”

Scopa, who was inducted into the CIA Hall of Honor in 2004, has returned to the CIA since her retirement in 2010 to lead the Office of the Director of National Intelligence’s (ODNI) Talent Development and Transformation program. She leads the team that is charged with developing the next generation of leaders for ODNI.

She noted that today’s global threats are more diverse and complex than ever before. The intelligence community has a mission to gather information, analyze it, and use that analysis to understand threats and protect the nation.

Scopa stressed the importance of technical skills and the role they play in the intelligence community, but also emphasized the value of critical thinking, communication, and leadership.

“Being an intelligence analyst is much more than just bugs and code,” she said. “We need people who can think critically, communicate effectively, and lead and collaborate with others.”

She also shared stories from her time at the CIA, including her time as a CIA agent and her role in the September 11th crisis.

The event was well attended with more than 200 people in attendance. The next speaker series event is scheduled for April 12, with a guest speaker to be announced soon.

For more information, visit www.ile.gatech.edu.