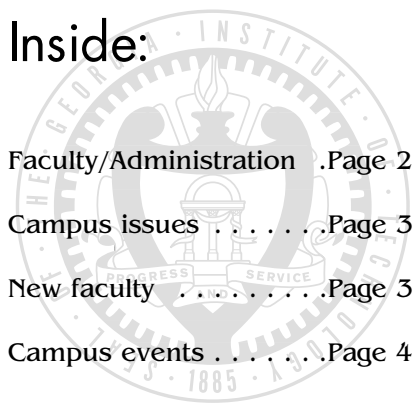


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THE WHISTLE

FACULTY/STAFF NEWSPAPER

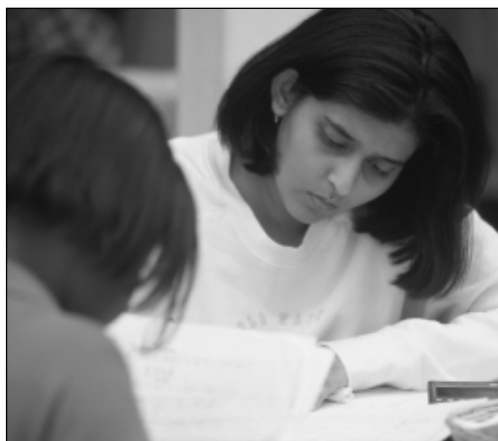
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THE GEORGIA INSTITUTE OF TECHNOLOGY

Welcome back:

For those who have been away for the summer, this issue of the Whistle is a compendium of the notable events of the past three months. Full articles may be accessed at www.whistle.gatech.edu/archives.

Academic interests shift within freshman class



It's not just about engineering anymore. For the freshman class entering this fall, significantly more students than last year will enroll in Tech's non-engineering colleges.

Out-of-state interest in these areas was especially strong this year, reflecting the evolution of Tech's reputation from a strong regional engineering school to a more well-rounded research university with an international reputation.

To date, Management deposits are up 37 percent; Sciences, 15 percent; and Ivan Allen, 30 percent.

In fact, the most dramatic illustration of Georgia Tech's expanding reputation could be seen among

out-of-state applicants this year. Despite an out-of-state tuition increase of \$2,000 over the next two years, non-Georgia deposits in Tech's College of Computing increased 13 percent; Sciences, 35 percent; Ivan Allen, 65 percent; and Management, 75 percent.

"We've worked hard for five years to draw national attention to the other colleges as well," said Barbara Hall, associate vice president of Enrollment Services. Even as these changes occur, she notes, Tech has been able to maintain its overall ratio of in-state to out-of-state students — 66 percent to 34 percent, respectively.

—Richard Hermes, July 2

College of Engineering gets \$4.25 million boost

As one of the largest producers of Hispanic engineers in the world, Georgia Tech will increase its recruitment and retention of Hispanic students thanks to a \$4.25 million gift from The Goizueta Foundation.

The gift will go to establish a comprehensive package to support Hispanic students and faculty through permanent scholarship and fellowship endowments.

The package will create an endowed chair and an endowed

professorship, plus support new undergraduate scholarships and graduate fellowships — all with preferences for people of Hispanic origin. In addition, the gift will fund a new staff position, tasked with overseeing Tech's efforts to recruit and retain Hispanic students.

The Goizueta Foundation, a private, general purpose, grant-making entity, was established in 1992 by the late CEO and chairman of the board of directors of The Coca-Cola Company, Roberto C. Goizueta. —Larry Bowie, June 4

Engineering initiates search for new dean

The College of Engineering has begun a national search to fill the dean's position, which was vacated by Jean-Lou Chameau when he began his tenure as Institute provost on June 1.

The nationally recognized executive search firm A.T. Kearney has been selected to assist in the search process. In addition, a 16-member committee composed of Tech faculty, students, alumni and administrators has been formed to help guide the search.

The committee will be responsible for overseeing A.T. Kearney's search, interviewing the top candidates, and

making a recommendation to the Provost's Office.

Ron Schafer, a Regents' professor in the School of Electrical and Computer Engineering and chair of the search committee said, the group expects to identify its top candidates during the fall and be in talks with the leading candidate by the end of this year. In the meantime, Associate Dean J. Narl Davidson, who stepped in as interim dean of the College, will continue serving in that capacity until a successor comes aboard.

A successor is not expected to be named until January 2002 at the earliest. —Larry Bowie, July 30

Crews are constructing the safeguards recommended for Tech's newest parking facility on State Street. The job, expected to continue through the end of fall semester, will be the final step before it is opened for campus use.

As of July 23, work crews had begun to reinforce the columns within the structure. To do this, a jacket consisting of an additional six inches of concrete and steel ties will surround the columns, strengthening the intersection where the columns and beams meet.

Gary Phillips, a design and construction project manager in Facilities, said that in discussions involving the fix, "there were three guiding principles — satisfying structural requirements, the long-term durability of the structure and the aesthetics of the repair." This solution has been designed to meet all those concerns.

It is expected that the deck will be open by the time students return from winter break, though Rod Weis, director of Parking and Transportation, said his department is ready to act should the job be completed early.

Of the 850 available spaces, 650 are set aside for permit users and the remaining 200 for visitors. Weis anticipates that once word gets out that the deck is ready, there will be a sharp increase in demand. Those already on the wait list, he said, will have first priority.

—Michael Hagearty, July 30



“QUOTE— UNQUOTE”

“The world of a professional engineer intersects with law, business, politics, ethics, and all the pieces of the modern world.”
—Associate Professor Mark Prausnitz, on his *Chemical Engineering 4600* course, which emphasizes developing stronger communication skills for the purpose of explaining engineering concepts to nontechnical audiences.

“Our goal is to help companies apply automation to routine and menial tasks, the very things that companies have trouble finding people to do these days and the things that often keep U.S. manufacturers from being competitive.”
—Steve Dickerson, chairman of CAMotion, an ATDC company developing software that makes automation a viable option in areas such as quality inspection.

“We need to make our presence known and theirs not.”
—Head football coach George O’Leary, whose concern over the condition of Grant Field has led to criticism of the women’s professional soccer club who have used the field for league matches this summer.

Faculty/Administration

Brown in as new exec assistant

President Wayne Clough announced a change in his office, naming a new executive assistant to replace Mark Smith, a man he said “served Georgia Tech remarkably well” during his four-year appointment.

His successor will be April Brown, current associate dean in the College of Engineering and the Pettit Professor in Microelectronics in the School of Electrical and Computer Engineering. Pending approval from the Board of Regents, Brown will assume her new duties September 1. Smith plans to return to the faculty as a professor in the School of Electrical and Computer Engineering.



“April is known for her excellence as a faculty member in service, research and teaching,” Clough said. “Without question, April will bring abundant energy and talent to the position.”

“Mark was a superb executive assistant and I was privileged to work with him,” Clough continued. “Georgia Tech owes Mark a debt of gratitude for his contributions over the last four years.”

—Michael Hagearty, August 13

HTS selects Pearson as new chair

Enhancing Ivan Allen College’s reputation in the study of race and gender issues, Willie Pearson Jr. has been named chair of the School of History, Technology and Society.

Pearson comes to Tech from Wake Forest University where he was professor of sociology and an adjunct professor in medical education at the university’s school of medicine. Pearson is recognized nationally as a leading scholar in the sociology of science.

“Ivan Allen College is thrilled to attract an outstanding scholar of national prominence to enhance its growing reputation in the study of race and gender issues in science and engineering,” said Sue Rosser, dean of Ivan Allen College. “We are especially fortunate that he has a proven track record in administration and grantsmanship that will be valuable to the School of History, Technology and Society, as well as the College.”

“Through the quality of its students, faculty and administration, Georgia Tech has established itself as one of the nation’s premiere universities,” said Pearson.

Pearson fills the School chair position left by Gregory Nobles.
—Elizabeth Campell, July 16



ISyE taps Rouse for chair

Georgia Tech has selected William B. Rouse, an accomplished entrepreneur, author and academician, to chair the School of Industrial and Systems Engineering. He begins serving on October 1.

Rouse takes over for John Jarvis, who earlier this year announced his intentions to resign after 33 years of service to Tech, including 12 years as chair.

“I am delighted to have been selected to lead the School and I look forward to working with the faculty, staff, students and alumni,” Rouse said. “The School is excellently positioned, thanks to John Jarvis and many others, to further enhance its preeminent position in the field and provide increasing value to Georgia, the nation and beyond.”

Rouse has more than 30 years of experience in engineering, management and marketing related to individual and organizational performance, decision support systems and information systems.

—Larry Bowie, July 30

New chair in Modern Languages

Phillip McKnight brings experience in expanding a foreign language program through business partnerships and new academic offerings.

McKnight fills the School chair position left by Heidi Rockwood, who returns to full-time teaching as a professor.

McKnight comes to Tech from the University of Kentucky, where he was professor of Germanic Languages and Literatures and chair of that department from 1991-1998. At Kentucky, he increased student enrollment with the implementation of a joint degree with International Economics, began a teaching curriculum in German for business and the professions, reinforced interdisciplinary links with several academic programs, and established an organization of German-owned businesses with direct ties to curriculum development at the University.

“In the School of Modern Languages, we plan to develop interdisciplinary majors and programs that will fit the character of Georgia Tech and impart a sense of cultural differences in both business and social environments,” said McKnight. “Students can gain international experience by working intensely in their discipline and studying a language tailored to the content of that discipline.” —Elizabeth Campell, August 13

Long to lead International Affairs

Professor William J. Long has been named chair of the Sam Nunn School of International Affairs in Ivan Allen College. Long has been a professor in the Sam Nunn School since 1991 and brings extensive experience and leadership in numerous administrative capacities within the School. He has served as associate chair, graduate studies director, acting chair and director of the European Union Center.



Sue Rosser, dean of Ivan Allen College, said, “Bill’s leadership and ability to work with the faculty will allow the School to continue to expand its research, to build its undergraduate and graduate programs, and sustain its community outreach without a loss of momentum.”

Long fills the opening left by Linda Brady, who was named dean of Humanities and Social Sciences at North Carolina State University in Raleigh, N.C.

—Elizabeth Campell, June 18

Wishon goes to Notre Dame

After more than seven years as associate vice president and associate vice provost of the Office of Information Technology (OIT), Gordon Wishon joined the University of Notre Dame’s Office of Information Technologies as chief information officer on August 1.

“Gordon’s leadership and extensive expertise in information technology has had a tremendous impact not only within the Georgia Tech community, but regionally and nationally as well,” said John Mullin, OIT’s executive director. “We are grateful for his efforts and contributions to enhance the quality of the IT services we deliver to the campus.”

Mullin will act as associate vice president and chief information officer until the position is filled.

—Theresa Harvard Johnson, July 2

Georgia Tech

THE WHISTLE

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



A \$2.7 million grant awarded to researchers at Tech will help them address a critical shortage of scientists who study chemical signaling in aquatic ecosystems — a field of inquiry interested in understanding the basic interactions among organisms.

Professor Mark Hay, the Harry and Linda Teasley Chair of Environmental Biology, shown at left, will direct the project in collaboration with the Scripps Institution of Oceanography and the Skidaway Institute of Oceanography near Savannah.

The project eventually will support 40 graduate students and could produce more than 25 doctorates. It will also lead to the creation of a permanent center for aquatic signaling at Georgia Tech.

—Sean Selman, July 2

Georgia Tech is the number one producer of African-American engineers in the country, according to a recent issue of the journal *Black Issues in Higher Education*.

The report states that during the 1999-2000 academic year, Tech awarded more bachelor's, master's and doctoral degrees to African-American engineering students than any other university or college in the nation.

"The one factor that contributes to Georgia Tech's success is the Institute's long-term commitment to a program to attract and retain minority students," said Frank Matthews, publisher and editor-in-chief of *Black Issues*. —Larry Bowie, August 13



New faculty

Aerospace Engineering

Eric Johnson

Air Force ROTC

David Guio
Paul Shivelhood
Aaron Swanier

Architecture

Mark Cottle
Ruth Conroy Dalton
Michael Gamble
David Ringholz
Yimin Zhu

Army ROTC

Tom Evans
Kerry Marsh
Richard Parker

Biology

Julia Kubanek
Nael McCarthy
Al Merrill

Biomedical Engineering

Robert Lee (joint with Emory)

Chemical Engineering

William Koros

College of Computing

Tucker Balch
Frank Dellaert
Yan Zong Ding
Ronald Ferguson
Wenke Lee
Pete Manolios

Earth & Atmospheric Sciences

David Tan

Electrical & Computer Engineering

David Citrin
Magnus Egerstedt
Ian Ferguson
Christiana Honsberg
Chuanyi Ji
Aaron Lanterman

Sung Kyu Lim

Linda Milor
John Papapolymerou
George Riley
Gabriel Rincon-Mora

Economics

Chul Chung
Vivek Ghosal

GTREP

Paul Work
A.R.M. Zaghloul

History, Technology & Society

Maren Klawiter
Willie Pearson

International Affairs

Patrick Ireland

Industrial & Systems Engineering

Alan Erera
Ozlem Ergun
Seong-Hee Kim
William Rouse
Julie Swann
Amy Ward

Literature, Communication & Culture

Donald Beistie
Ann Campbell
Mary Carney
Doug Davis
Brittain Fellows
Angela Flurry
Jason Jones
Stephen Mamber
Xin-Wei Sha
Althea Sumpter
Eugene Thacker
Angela Dalle Vacche

Library

Tom Auger
Donna Braquet
Patricia Kenly
Doug King

Materials Science & Engineering

Mo Li

Mathematics

Federico Bonetto
Joseph Landsberg
Doron Lubinsky
Gerd Mockenhaupt
Peter Mucha
Liang Peng
Margaret Symington

Mechanical Engineering

Yogendra Joshi (joint w/ ECE)
John Ranieri (joint w/ MGT)
Michael Stewart

DuPre College of Management

Alka Citrin
Jonathon Clarke
Micael Cummins
Mark Ferguson
Stylianos Kavadias
Ajay Subramanian
Marie Thursby
Nancy Wong

Modern Languages

Phillip McKnight

Navy ROTC

Bradley Pils

Physics

Alexei Marchenkov
Chandra Raman

Psychology

Gilad Chen
Zenzi Griffin
Daniel Spieler
Bruce Walker (joint w/ CC)

Public Policy

Jason Borenstein
Monica Gaughan
Vedat Milor
Bhaven Sampat

Campus issues

Foundation policy revision

In an effort to promote improved budgetary planning on campus, the Institute administration and Georgia Tech Foundation (GTF) have implemented a revision to the policy governing the use of GTF-budgeted funds. The policy does not affect endowment or restricted funds.

The revised policy allows campus units with unused GTF funds at the end of a fiscal year to request a rollover for the following fiscal year; however, any unused unrestricted GTF funds not used by the end of the second fiscal year will not be rolled over.

GTF President John Carter said, "Foundation funds are intended for the Institute's priority goals and needs, and this new approach will make more funding available for those pressing needs."

Carter said the new policy provides a great deal of flexibility for President Wayne Clough and his staff to shift GTF funds between budget categories during the course of the fiscal year to meet emerging needs.

Senior Vice President for Administration and Finance Bob Thompson said the Institute administration fully supports the policy revision. "We hope that this change will bring a more focused and deliberate approach to the annual budgeting process throughout the campus," he said. —Dan Treadaway, May 21

Statewide hiring freeze

Filling vacant or new staff positions will require more time and preparation, thanks to a limited hiring freeze imposed in May by Gov. Roy Barnes.

Prompted by concerns over how the slowing economy will affect state revenues, the "hiring slowdown" is aimed at heading off any potential budget crisis before it happens. There is no projected date for lifting the hiring freeze.

Requests from campus departments will undergo a review process created by the Governor's Office of Planning and Budget (OPB), though several positions are exempt from the review process.

Associate Vice President for Human Resources Chuck Donbaugh said, "We know this policy will have an affect on departments attempting to hire administrative and technical staff in particular."

—Dan Treadaway, June 18

Remote e-mail access

Indicating the measure was "in response to input from our campus constituents," the Office of Information Technology has launched the GT Spectrum Mail System, giving users remote access to their e-mail accounts.

The GT Spectrum project will address the need for off-campus access to OIT's central services (Prism, mail, etc.) via the Internet, said John Mullin, OIT executive director.

Utilizing a Prism account and password over a 128-bit browser, users must first activate their GT Spectrum service. The new system will be accessible via a web browser using standard protocols. —Theresa Harvard Johnson, July 2

Ferst Center's 10th season

The Robert Ferst Center for the Arts recently announced the upcoming schedule for its tenth anniversary season.

Undoubtedly, the one performance that the Ferst Center is most excited about is billed as "A Special Evening with Jose Carreras."

Series tickets and individual tickets are already on sale. Subscriber forms are available at www.ferstcenter.gatech.edu.

—Michael Hagearty, June 18