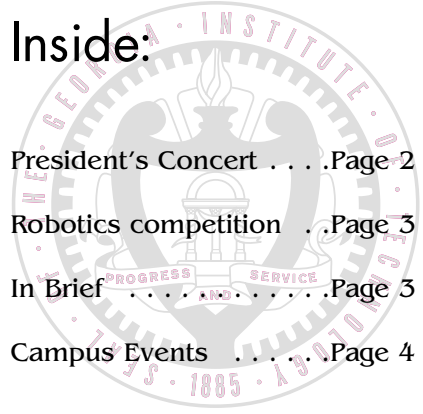


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THE WHISTLE

FACULTY/STAFF NEWSPAPER

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THE GEORGIA INSTITUTE OF TECHNOLOGY

Don Giddens named dean of the College of Engineering

Clough: 'Everything he does, he does well'

Larry Bowie
 Institute Communications
 and Public Affairs

Don P. Giddens, one of the nation's leading pioneers in biomedical engineering, has been named as the newest dean of Tech's College of Engineering. He will assume his new post July 1, pending approval from the Board of Regents.

The announcement concludes a national search to fill the top position at the largest of Tech's six colleges — the College of Engineering — which consistently ranks among the elite top five engineering schools in national rankings.

Giddens, who has been associated with Tech for more than 30 years, is credited for developing Tech's bioengineering program, enhancing its research, commercialization, and faculty and student recruitment efforts,

as well as catapulting the bioengineering program to national stature. Last year the program was ranked sixth in the nation by U.S. News and World Report.

Giddens also made strong contributions to Tech's aerospace engineering program and served as chair of the department from 1988 to 1992.

"I am pleased that Don Giddens has accepted this position, and I am confident that he is the right person to continue the remarkable progress that the College of Engineering has made in the past decade," said President Wayne Clough. "Everything he does, he does well."

Giddens, 61, joined Georgia Tech in 1968 and served as a faculty member and administrator for almost 25 years before accepting an appointment as dean of the Whiting School of Engineering at Johns Hopkins University from 1992 to 1997.

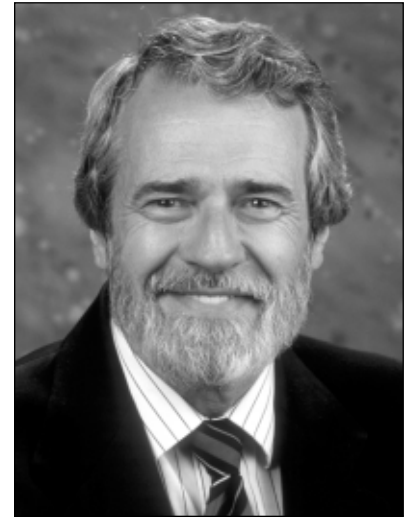
He returned in 1997 to explore a joint partnership in bioengineering between Tech and Emory University, which led to the creation of what is now the Wallace H. Coulter

Department of Biomedical Engineering at Georgia Tech and Emory. This unique partnership between a public university with a top engineering program and a private university with a highly regarded medical school is the first of its kind in the nation.

Giddens was named chair of the joint department in 1997 and holds the Lawrence L. Gellerstedt Jr. Chair in Bioengineering.

"Leading one of the best and largest engineering colleges in the world requires the level of institutional vision, international reputation and leadership that Don is known for," said Jean-Lou Chameau, provost and vice president for Academic Affairs. "He will be an outstanding dean of engineering."

Giddens succeeds Chameau, who vacated the position last year in order to assume his new role as provost. Narl Davidson, who has worked as an administrator and a faculty member at Georgia Tech for nearly 30 years, is serving as interim dean during the transition.



The selection of Giddens completes a search that began in August 2001.

"I am very pleased and honored to have been selected as the next dean of engineering at Georgia Tech," Giddens said. "Its strong engineering

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Two from Tech win prestigious Gates Cambridge Scholarship

David Terraso
 Institute Communications
 and Public Affairs

A current Tech student and a recent graduate will study at the University of Cambridge in England next fall as winners of the highly esteemed Gates Cambridge Scholarship.

Jay Silver and Nick Bronn are Tech's first recipients of the prestigious award created by Microsoft founder Bill Gates.

Silver, who is on track to get his bachelor's degree in electrical and computer engineering in May, will use the award to pursue a master's degree in computer speech, text and Internet



Nick Bronn

technology. Tech graduate Nick Bronn will study applied mathematics and theoretical physics.

A Marietta native, Bronn said he's excited by math and physics. "You have to be passionate about it to study them like I do," he said. While at Tech, Bronn took 20 to 22 hours of course work each semester. And if that wasn't enough, he played first violin in Tech's Symphony Orchestra. In addition to playing pieces by classical composers such as Tchaikovsky and Rachmaninoff, Bronn has played bass guitar

with various punk rock bands. Earning three degrees in three

Scholars continued, page 2

General Faculty endorses move toward online library journals

Dan Treadaway
 Institute Communications
 and Public Affairs

The General Faculty endorsed a Library and Information Center plan to move toward 100 percent online subscriptions for journals and periodicals. Faculty members voted unanimously to support the plan at their Feb. 26 meeting.

The vote followed a presentation by Richard Meyer, dean and director of Libraries, on the escalating costs of print subscriptions. "Our budget for journal subscriptions has been flat for a long time," Meyer said. "Inflation in subscriptions costs has had a tremendous impact over the past ten years."

Meyer said if budget levels remain constant and current inflation trends continue, the Library's entire acquisitions budget will go toward journals by 2004-05, squeezing out all other

types of materials.

By establishing partnerships with other universities, Georgia Tech can participate in cost-saving contractual arrangements that will deliver more journal titles to faculty and researchers than would be possible in a pure print environment, Meyer explained. Doing so, however, also requires canceling print subscriptions and purchasing fewer books.

In response to a concern raised about the ability to archive journals in digital form, Meyer explained that archiving in a digital environment poses some problems not found in a print environment. He also said that as digital content increases, he expects archiving alternatives to expand and increase in quality. He said most of the scholarly societies that produce journals have already addressed the issue of digital

Journals continued, page 3

"QUOTE—

UNQUOTE"

"I believe we could be on the verge of surrendering privacy and many of the protections under the Bill of Rights. Many of us in Congress realize the threat, and we are working to prevent it, but the issue is far from settled."

—Congressman Bob Barr, who spoke at Tech last month about his opposition to any government-sponsored monitoring of Internet traffic. (Atlanta Journal-Constitution)

"Aside from trains, Atlanta needs a lot of things associated with vibrant cities: more parks, sidewalks and outdoor people-places. Atlanta is the first city I've lived in where it's difficult to identify a single pleasant place to go strolling — no Washington mall, no Back Bay, no Elmwood district, no Central Park. Things here are improving, especially in Midtown, but Atlanta remains a place to work, not a place to visit or retire. Thank God for Hartsfield."

—Mark McCabe, a professor in the School of Economics, on the prospect of a passenger train station in downtown Atlanta. (Atlanta Journal-Constitution)

Annual President's Concert features original composition

Piece will celebrate city skyline

Sean Selman
Institute Communications
and Public Affairs

Each year, Georgia Tech celebrates spring with the Music Department's presentation of the President's Concert. This year, the concert will feature an original composition recently completed by Tom Bahler.

In addition jazz pianist Dan Wall will perform "Jazz Suite for Mary," a work he composed in 1997 for the Tech Jazz Ensemble. Also on the playbill are the Georgia Tech Chorale, MIDI Ensemble, and the MIDI String Ensemble.

Among the evening's highlights will be the premiere of Bahler's "Atlanta Skyline" performed by the Georgia Tech Symphonic Band. Bahler is an award-winning composer, producer, creative director, songwriter and arranger who penned the hits "Julie Do You Love Me" for Bobby Sherman and "She's Out of My Life" for Michael Jackson, and composed and produced musical scores for the 1990 World's Fair in Osaka, Japan.

Bahler has a long-term working relationship with Quincy Jones and was the associate producer and vocal arranger for "We Are the World" in 1985. He also was the conductor of the finale for the historic Live Aid concert that same year. Bahler's most recent sojourn in film was to write the anthem entitled "The American Dream" for the film "Wag the Dog."



Tom Bahler rehearsing with the Georgia Tech Symphonic Band.

Photo by Stanley Leary

The idea for "Atlanta Skyline" originated from a conversation between Tom Bahler and Dean Tom Galloway on how closely music is related to architecture. Out of that conversation came an agreement for Bahler to compose a piece of music that evokes the rhythms and motifs that represent Atlanta.

To get a feel for Atlanta's architecture, Bahler interviewed several Atlanta architects — John Portman, Tom Ventulett, Jerry Cooper and Larry Lord. Georgia Tech alumnus, Bill Bell flew Bahler over the city in his private plane so he could experience the skyline from the air.

"Out of these enriching conversations and experiences came the essence of what makes the Atlanta skyline unique among skylines in the United States and the world," said Bahler. "I looked at how Atlanta interacts with the sky and how it meets the earth — how Atlanta is surrounded by forest — how Atlanta grew like a phoenix out of the fire

that decimated the city during the Civil War." He also noted the "space, light, color, rhythms and syncopations" of the city.

"These tinctures all translated into themes and rhythms," Bahler said. "For me, it is a journey only possible through music as the piece takes many physically impossible turns for views of beautiful land, buildings, scurrying city dwellers living in the present enriched by the past."

Bahler completed his piece in fall 2001 and began rehearsing it with the Symphonic Band in January. "I enjoy spending time with young people and making a difference. Something that particularly drew me to Tech was meeting Bucky Johnson, director of the Music Program. The music faculty here is really over the top. They're the best. The Tech Symphonic Band is as good as any I've ever heard," he said. "They play with a fantastic freedom of expression."

Other President's Concert highlights will include Dan Wall's solo during a performance by the Jazz Ensemble. Wall is also a composer and recording artist, and currently is a visiting teacher of jazz piano at Oberlin College.

The Georgia Tech Chorale will perform "Ode to St. Cecelia" to the accompaniment of an 11-member brass ensemble. The Georgia Tech MIDI Ensemble and the MIDI String Ensemble also will offer the audience a segment featuring music technology.

For more information...

This year's concert is scheduled for March 26 at the Robert Ferst Center. For tickets, call 894-9600.



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years, Bronn graduated from Tech last December with both a bachelor's degree in physics and a master's degree in electrical and computer engineering. He earned his first Tech degree last May in applied mathematics.

Last fall, Bronn was named Outstanding Physics Major at Tech, and since 1999, he has won three research awards. He is currently researching advanced radar techniques at Johns Hopkins University. After Cambridge, Bronn said he wants to get a Ph.D. in math or physics before becoming a professor.

Silver also plans to go into teaching, although he prefers a college where the focus is on teaching rather than research. Originally from Coco Beach, Florida, Silver wants to use his computer engineering knowledge to find new ways to reach students. "I want to make people who wouldn't normally be excited about learning, excited about it," he said.

Silver has spent more than 1,000 hours teaching since he began

tutoring classmates in high school. "The important thing is trying anything you can think of to be creative in teaching, because the students will appreciate it," he explained.

Like Bronn, Silver said he's inspired by math and he wants to get his students excited about it, too. The secret to teaching, Silver said, is showing students how to relate math to the real world. For example, Silver said he's used a balancing scale to illustrate how to balance equations. As a result, the students were able to better understand the concept and had an easier time thinking abstractly.



Jay Silver

Started with funds from the Bill and Melinda Gates Foundation two years ago, the Gates Cambridge Trust chooses approximately 150 students from across the globe to study at Cambridge. This year, 50 scholarships are expected to go to students in the United States. The award covers the cost of tuition, airfare, plus a small stipend. Students may use the award to pursue a second bachelor's degree, a one-year postgraduate degree or conduct research leading to a Ph.D.

Both Bronn and Silver say, despite their passion for their work, they never would have gotten the chance to attend Cambridge had it not been for their advisor, Amanda Gable, an academic professional in the Office of Graduate Studies and Research who helped them prepare for the rigorous application process.

For more information...

To recommend a candidate for next year, contact Georgia Tech's Gates Scholarship advisor, Amanda Gable, at amanda.gable@grad.gatech.edu.

IN BRIEF:



photo by Rona Ginsburg

Students from Roswell High School and Georgia Tech engineering students put the finishing touches on a remote-controlled sporting robot they built that slam-dunks soccer balls.

FIRST (For Inspiration and Recognition of Science and Technology), a non-profit organization devoted to increasing interest in science and technology among youth, has organized the FIRST Robotics Competition, in which 9-12 graders pair up with college engineering students or engineering companies to design and build a robot for competition in regional and national games.

Teams had six weeks to design, build, test and debug their robots, which were built to pick up soccer balls and place them into a hoop, using a variety of methods. Engineering students from the RoboJackets Robotics Club acted as mentors throughout the project.

The Georgia Tech/Roswell High School team's robot will compete against nearly 50 teams in the southeast regional event at Kennedy Space Center this week. Next month, the robot will go to the championship event at EPCOT Center in Orlando.

Journals, cont'd from page 1

archiving for their journals.

Meyer said the Library won't begin moving toward a digital journal environment until a faculty survey on the topic is completed. He said obtaining faculty input on which journals should be retained and how they should be delivered is crucial.

In other business, Provost Jean-Lou Chameau announced that Don Giddens, chair of the Georgia Tech/Emory Department of Biomedical Engineering, has been named dean of the College of Engineering effective July 1. Chameau also announced that the search for a director of the First Center for the Arts is in its final stages and an

announcement should be made soon.

Chairs of six General Faculty committees gave updates on the recent work of their groups.

For more information...
General Faculty Committee Minutes:
www.facultysenate.gatech.edu/Committee%20Minutes01-02

Dean, cont'd from page 1

programs, as well as its interdisciplinary approach to education and research, are a unique combination in higher education. There is really no limit to what we can accomplish, and I look forward to the opportunity to continue Tech's success."

Early in his career, Giddens became a pioneer in the area of fluid dynamics in human arterial disease. His work led to a better understanding of blood flow and the noninvasive, early detection of artery blockages that can lead to heart attacks. His research has focused on biofluid mechanics, specializing in vascular function, vascular grafts, hemodynamics of carotid arteries, and measurement of blood flow.

"Don Giddens is an outstanding scientist and leader," said Tom Lawley, dean of the Emory University School of Medicine. "These qualities will serve him

very well in his new position, and we at Emory look forward to working closely with him in the future."

Giddens has served as a faculty member and administrator in Tech's Schools of Aerospace, Mechanical and Biomedical Engineering. He was a principal planner in creating the Emory-Georgia Tech Biomedical Technology Research Center, and served as its co-director from 1987 until 1992.

Giddens is active on advisory boards in bioengineering, biomedicine and biotechnology. He is a member of the National Academy of Engineering and is a fellow of ASME, a founding fellow of the American Institute of Medical and Biological Engineers, and a fellow of the Arteriosclerosis, Thrombosis and Vascular Biology Council of the American Heart Association.

Academically, he received both his bachelor's and master's degrees in aerospace engineering, as well as a Ph.D.

in aerothermodynamics, at Georgia Tech.

"We feel that Don Giddens is exceedingly well qualified for this important position, and we are confident that he will lead the College of Engineering to new heights of achievement and recognition," said Ron Schafer, a Regents' professor in the School of Electrical and Computer Engineering, who co-chaired the search committee with Regents' Professor David McDowell of Mechanical Engineering. "He has a strong record of personal accomplishment as an engineering researcher, an academic administrator, and as a visionary leader."

For more information...
College of Engineering
www.coe.gatech.edu
Department of Biomedical Engineering
www.bme.gatech.edu

Former dean of Libraries honored

When the Special Libraries Association (SLA) holds its annual conference in June, former dean and director of the Library and Information Center, Miriam Drake, will be among those honored as "Best of the Information Profession."

Drake, who worked at Tech for 17 years before retiring in 2001, will receive the **John Cotton Dana Award**. Named in honor of the founder of SLA, the award is conferred upon a member of SLA for exceptional service to special librarianship. She will be recognized for her longstanding contributions and lifetime achievements in her distinguished career as an information professional.

SLA is the international association representing thousands of information professionals in 60 countries. Special librarians are information resource experts who collect, analyze, evaluate, package and disseminate information to facilitate accurate decision making in corporate, academic and government settings.

Car talk

A **defensive driving class** will be held on March 22 at the MIRC Building in room 102A from 8:30 a.m. until 3 p.m. The course was developed by the National Safety Council and designed to provide drivers with knowledge and safe driving techniques to prevent collisions and traffic violations. Participants may also be eligible to receive a 10 percent discount on automobile insurance. There is a \$50 registration fee to take this course.

For questions concerning the class, contact Randal Hawley at 894-6128. To register, send an e-mail to randal.hawley@facilities.gatech.edu with your name, office phone number, department, supervisor and their phone number.

In order to receive your certificate you must have your accounting department complete the Georgia Tech Inter-departmental Sales and Services Authorization form and send it to Anna Hawkins at Mail Code 0465. Questions concerning this form should be directed to Hawkins.

Poll: Tech is 'damn hard'

One of the more recognized collegiate guides — the **Princeton Review** — recently published a list of the top 10 schools where the students never stop studying. Georgia Tech, which ranked fourth in the poll, was called a "damn hard" public school that is always "very demanding" and "at times very humbling," according to the Tech students surveyed. The survey also covers topics such as "Great College Campuses" and the "Colleges with the Most Competitive Admissions." The full story is available at encarta.msn.com/college/collegeFind.asp.

Save the date

It may not be spring yet, but the Alumni Association is already looking ahead to fall events that will bring alumni and friends back to campus.

Tech alumni will want to mark their calendars for the weekend of Oct. 24-26, when the Yellow Jackets face the Virginia Cavaliers at **Homecoming**.

Tech will welcome the families of current students during Family Weekend, set for Oct. 4-5.

April 13 will mark the 30th anniversary of the Pi Mile Road Race, held on the Tech campus. To register for the 3.14-mile fun run, go to www.gtalumni.org.