

Inside:

Faculty senate 2
 In Brief 3
 Campus Events 4



THE WHISTLE

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THE GEORGIA INSTITUTE OF TECHNOLOGY

Alumnus makes \$20 million unrestricted commitment to ISyE

Dan Treadaway
 Institute Communications
 and Public Affairs

The country's finest industrial engineering program has received an eight-figure commitment that will lift the program to even greater prominence.

A 1961 graduate with a degree in industrial engineering, H. Milton Stewart and his wife Carolyn have made a commitment of \$20 million to the School of Industrial and Systems Engineering (ISyE). The funds will establish a permanent endowment, generating funds available for unrestricted use within ISyE, at the discretion of the School chair.

In addition to a gift of \$2.5 million that has already been made, the Stewarts' commitment consists of two charitable remainder annuity trusts totaling \$7.5 million that have recently been established and a third charitable remainder annuity trust of \$10 million that will be established in the near future. The Stewarts will receive income from the trusts until December 2015, when the assets will be transferred to the endowment.

In recognition of the Stewarts'



Carolyn Stewart stands with President Wayne Clough, Milton Stewart and School of Industrial and Systems Engineering Chair Chip White.

commitment, the School has been named the H. Milton Stewart School of Industrial and Systems Engineering. President Wayne Clough announced the Stewarts' commitment at last week's meeting of the Georgia Tech Foundation Board of Directors.

ISyE becomes the fourth named school in the College of Engineering, joining the Daniel Guggenheim School of Aerospace Engineering, the George W. Woodruff School of

Gift continued, page 3

Management names new dean

Elizabeth Campell
 Institute Communications
 and Public Affairs

President Wayne Clough announced last week that Steven Salbu has been selected as the Stephen P. Zelnak Dean of the College of Management.

"Steve Salbu is one of those unique individuals who themselves are very talented and have the ability to motivate others to succeed," Clough said. "At this opportunistic juncture for our business school, we believe he is ideally suited to help us identify and build the next strategic directions needed to capitalize on the momentum that exists at Georgia Tech as a whole."

Salbu is currently the associate dean for graduate programs, an endowed professor at the McCombs School of Business at the University of Texas, and director of the School's Business Ethics Program.



Steven Salbu's appointment begins July 1.

"I am very excited about this opportunity," he said. "The faculty, students, staff and alumni of the College of Management are a remarkably talented community of scholars and professionals. They are highly motivated to take the College of Management to the next level. I look forward to joining them in this charge, as we work together with energy and enthusiasm to ensure that a great Institute always has a great business school."

Provost Jean-Lou Chameau said, "Steven Salbu brings an extensive background in ethics and business law to the business school at Georgia Tech. His research expertise in ethics, his vision, commitment to teaching excellence and deep understanding of the business world impressed the search committee. I am confident that he will lead the business school to new heights and catalyze Institute-wide efforts in global innovation and sustainability."

Salbu earned an undergraduate degree in psychology from Hofstra University in 1977; a master's degree

Dean continued, page 3

National fiber optic network complete

Elizabeth Campell
 Institute Communications
 and Public Affairs

The equivalent of the golden spike in the transcontinental railroad, National LambdaRail (NLR), is now complete. The Atlanta node of NLR, Southern Light Rail (SLR), offers connectivity to more than 150 universities, research institutions and other organizations through a network infrastructure consisting of more than 10,000 miles of fiber optic cable across the United States.

A non-profit corporation created by Georgia Tech, SLR is one of the 12-member consortia of research organizations that invested in this network that is dedicated to facilitating research. Georgia participants in SLR include Georgia Tech, Georgia State University, Medical College of Georgia

NLR continued, page 2

New research center focused on improving information flow for health care industry

Megan McRainey
 Institute Communications
 and Public Affairs

Paramedics have just wheeled in a child in critical condition. His family members, their vacation abruptly halted, sit nervously in the waiting room. With very little time to spare, the attending doctor takes out a handheld device and immediately accesses the child's full medical record, including a genetic profile, from his doctor in another state. The doctor decides on a course of treatment, and his recommendations are immediately transmitted to all attending nurses and the operating room and his medication dosages are sent to the pharmacy.

A new institute at Georgia Tech and Emory University will develop systems and technologies designed to help improve communication among all the players in health care, from the patients to the doctors,

administrators and insurers. Tech will receive funding totaling \$5 million to establish The Health Systems Institute (HSI), which will partner with local, regional and national health care organizations to research, develop, implement, test and distribute improved technologies for health care that will integrate state-of-the-art information, decision support, communication and biomedical technologies.

"Health care is the industry that is the most information intensive, yet it has to support and utilize all this information with technology and tools that are lagging far behind other industries," said Biomedical Engineering Professor François Sainfort, who will direct the new institute. "Our goal is to streamline the industry and decrease health care costs for consumers."

"The partnership between Emory and Georgia Tech will advance our

HSI continued, page 3

QUOTE
UNQUOTE

"I'm a sympathizer. But it hasn't worked ... It's hard to find someone whose life has been changed by public access television. It's hard to find someone whose life is not touched by Internet-based community media."

—Hans Klein, associate professor in the School of Public Policy, on the debate concerning the future of public access television in an Internet age.
(Concord Monitor)

Faculty adopt new job title for some non-tenure positions

Dan Treadaway
Institute Communications
and Public Affairs

Prominent figures in industry and government have been making significant contributions to the collegiate educational experience for many years. While university administrators have welcomed the perspectives such leaders bring to students, classifying the positions of these non-traditional teachers within a tenure-oriented system has proven challenging.

In an effort to address this challenge, Vice Provost for Undergraduate Studies Anderson Smith presented a proposal to adopt the title "professor of the practice" at the Feb. 28 combined meeting of the Academic Senate, General Faculty and General Faculty Assembly.

Under the proposal, an accomplished government leader in the public policy arena, for example, could be granted the title "professor of the practice of public policy." Smith said that in the past, the only way to bring renowned industry and government figures to campus in a teaching role was to use the title "lecturer," which seemed to many to be an inadequate designation for those with decades of leadership experience and a national or even global

reputation in their field.

"This proposal is aimed at allowing us to bring in prominent individuals who have had a real impact in their discipline," said Smith. "As is the case with traditional tenure-track positions, faculty input will be required for the hiring of these positions." The proposal directs colleges and schools to use the same faculty body for hiring professors of the practice that they use in hiring for traditional positions, whether it be a smaller faculty committee or a larger group of faculty members.

Smith explained that professor of the practice positions will be renewed annually and are by definition non-tenure-track, regardless of the number of years an individual is reappointed. He said the deans and the Institute's Executive Board have unanimously approved the proposal.

A question was posed to Smith regarding potential abuse of the plan, specifically possible use of the professor of the practice designation as a way to circumvent the rigor of the traditional hiring and tenure process. Smith said that concern is addressed by the proposal's requirement that academic units use the same group of faculty for the hiring of both traditional positions and professors of the practice. He also explained that there would be no junior-level professors of

the practice, as the title is intended only for those who have made extensive contributions to their fields over a considerable period of years.

The faculty voted to adopt the proposal, with one vote in opposition. The plan does not require Board of Regents approval.

Other business

The faculty approved minutes from a number of recent meetings of the Undergraduate Curriculum Committee and Graduate Curriculum Committee. Action items contained in those minutes included establishing two new undergraduate degrees in biochemistry and environmental engineering and a new master's degree in music technology.

The faculty also recognized the School of Mathematics and the School of Modern Languages for receiving Board of Regents Teaching Excellence Awards. Representatives of both schools made presentations about the teaching initiatives that led to the awards. Following their meeting, the faculty held a reception to honor the award recipients.

For more information...

Faculty governance
www.facultysenate.gatech.edu

NLR, cont'd from page 1

and the University of Georgia.

"As a leading research university, it is fitting that Georgia Tech is part of this elite group of universities building and using one of the fastest networks in the world," says Charles Liotta, vice provost for research and graduate studies. "Georgia Tech invested in this fiber optic network so that our researchers — who often deal with massive amounts of data or need real-time remote control of sophisticated equipment located across the country — will have access to the most robust network possible."

Because NLR owns the underlying fiber optic cable and optical equipment, as well as other networking equipment, it can cost-effectively implement multiple, diverse experimental and production networks on its nationwide optical fiber footprint with unprecedented flexibility and responsiveness. A core set of basic services is currently available from NLR. Variations of these basic services, as well as additional services, are available upon request.

"Having access to the NLR infrastructure through Southern Light Rail gives Georgia Tech researchers unparalleled services and capabilities. Because of the close and ongoing coordination among member organizations, SLR is able to provide researchers a unique level of assistance and facilitation in provisioning and maintaining these services," says John Mullin, Georgia Tech's chief

National LambdaRail Architecture



The map shows the distribution of fiber optic cable and the locations of the network's nodes. Data transmission along the network is 10 gigabits per second.

information officer and associate vice president and associate vice provost for information technology.

NLR can be described as a very fast highway with multiple lanes. Some lanes operate as dedicated lanes reserved for a researcher requiring a very fast, direct connection. To access these dedicated lanes, researchers pay a fee for this premium service based on distance, bandwidth and time. One of the other lanes on the NLR highway, called the National Exchange Fabric, is shared and available now to Georgia Tech researchers at no charge for demonstration projects to the connected universities and research institutions.

"NLR provides Georgia Tech researchers unprecedented control over a network infrastructure with up to 40 individual lightpaths — each of which can transmit data at 10 gigabits per second and be used to deploy dedicated side-by-side, but physically and operationally separate, production and experimental networks," says Ron Hutchins, Georgia Tech's chief technology officer and associate vice provost for research and technology.

"Industry researchers may use National LambdaRail for solely research applications, and in fact, Cisco Systems is a member," says Brian Savory, executive director of Southern Light Rail.

Georgia
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HSI, cont'd from page 1

goal of creating a new model of health care that translates advances in genomics, bioinformatics and systems biology into long-term and lifelong health for individuals and populations," said Michael Johns, CEO of the Woodruff Health Sciences Center and executive vice president for health affairs at Emory University. "The Health Systems Institute augments our new Predictive Health Initiative, which will depend on our ability to generate, process, protect and integrate vast amounts of information."

A complete patient record

Administrative costs make up about 30 percent of the \$1.79 trillion Americans spent on health care in 2004. But with more advanced systems and technologies to manage patient information, the health care industry could significantly reduce administrative costs.

The new institute's key goal is to move beyond using information technology for a simple electronic record to using new technologies to provide a complete patient record. This electronic patient record could contain everything from a genetic profile and socio-demographic information to comprehensive clinical and insurance information to help doctors and health professionals make better-informed and more efficient

decisions about a patient's health care.

"With the tremendous success of our biomedical engineering/bioengineering programs and rapidly growing relationships with Emory and other health care providers, such as Children's Healthcare of Atlanta, we are in a position to set a new, multiscale model for health systems by extending the concept of health systems and personalized care from the molecular level to the delivery of health care," said Don Giddens, dean of the College of Engineering.

Children's Healthcare of Atlanta will contribute a major part of HSI's initial funding and partner on several large research projects, and several other Atlanta-area hospitals as well as health care information technology providers are developing collaborations with HSI.

"We'd like to attract not only the providers, such as the hospitals and the physician's offices, but also the insurers and companies developing products for the health industry," Sainfort said. "The idea is to develop and implement systems that save lives and save money in such a way that everybody benefits."

For more information...

Health Systems Institute
www.hsi.gatech.edu

Gift, cont'd from page 1

Mechanical Engineering and the Wallace H. Coulter Department of Biomedical Engineering at Georgia Tech and Emory University.

Unprecedented opportunity

"The opportunities presented by a commitment of this magnitude are nothing short of amazing," said Chip White, who chairs the School. "I look forward to working with our faculty, staff and administration in determining how these funds can best be used to build upon the School's long tradition of innovation, research and educational excellence and academic leadership."

The highly visible U.S. News & World Report college rankings have placed the School in the nation's number one slot in industrial and manufacturing engineering for more than a decade. College of Engineering Dean Don Giddens points out that such an achievement is never an accident.

"You can't have the nation's number one ISyE program for 15 years running without strong private, philanthropic support from alumni and friends, corporations and foundations," said Giddens. "We are very fortunate that Milt Stewart has always understood that need and offered his wholehearted support of ISyE."

Provost Jean-Lou Chameau sees the importance of the Stewarts' commitment in light of broader economic trends. "The globalization of the economy has drastically altered established

engineering disciplines such as industrial and systems engineering," he said. "With this generous commitment from the Stewarts, the world's best ISyE program will be able to act nimbly and effectively in taking advantage of emerging opportunities in research, education, and economic development."

A history of philanthropy

"Milt and Carolyn Stewart are delightful personal friends of my wife and myself," said President Clough. "We were thrilled seven years ago when they created the first school chair in Georgia Tech history, a visionary step that helped secure the finest leadership available for the School. Now, with this wonderfully generous commitment, Milt and Carolyn have ensured the ongoing momentum and prestige of the school they love so much for many years to come."

Milt Stewart has a long history of philanthropy at Georgia Tech. He established the H. Milton Stewart Endowment Fund for ISyE Programs in 1995 and the H. Milton and Carolyn J. Stewart School Chair in ISyE in 1999. He also has supported scholarships for women students coming to Georgia Tech from Habersham High School.

An MBA graduate of Emory University, Stewart is a trustee emeritus of the Georgia Tech Foundation, emeritus member and former chairman of the ISyE Advisory Board, former member of the College of Engineering Advisory Board, and a former president, trustee and executive committee member of the Georgia Tech Alumni Association.

Dean, cont'd from page 1

from Dartmouth College; a master's and Ph.D. from The Wharton School of the University of Pennsylvania; and a law degree from the College of William and Mary. He is the past editor-in-chief of the American Business Law Journal and is currently on the editorial board of Business Ethics Quarterly.

In June 2005, the current dean of the College of Management, Terry Blum, announced that she

would step down as dean of the College, effective June 30. Blum, who has led the College of Management since 1999, will remain on the faculty, creating and directing the new interdisciplinary Institute for Leadership and Entrepreneurship.

For more information...

College of Management
www.mgt.gatech.edu

IN BRIEF:

Sprinkler incident forces CRC closure

The Campus Recreation Center was forced to close last week when a basketball was kicked into the sprinkler system, causing the sprinkler head to break and activate the fire alarm.

The fire suppression system was triggered, showering the fourth floor for nearly 20 minutes. Water seeped down into the flooring system and leaked into the competition pool of the Aquatic Center. Significant damage was done to the acoustical spray in the Aquatic Center ceiling as well as the hardwood flooring of the gymnasium.

Georgia Tech Facilities Department is spearheading repairs to the CRC. Major repairs to the building are already underway, requiring the temporary closure of several of the CRC's facilities.

All operational hours, program schedules, and reservations are undergoing adjustments. Visit www.crc.gatech.edu for updates and changes to the CRC schedule.

Athletics programs receive good marks in APR report card

Georgia Tech's student-athletes are performing well in the classroom, according to the latest NCAA Academic Performance Rate (APR).

The Tech golf and women's swimming programs lead the way with perfect scores of 1000 in the current data, which is for the 2003-04 and 2004-05 academic years combined. No Tech programs are subject to contemporaneous penalties.

Tech's football and men's basketball programs each achieved an APR of 948, above the Division I averages of 929 for football and 927 for men's basketball.

The Rambling Wreck baseball team's score of 974 was also higher than the Division I baseball average of 931.

Other top performing Tech teams included women's track and field (990), women's tennis (983), volleyball (978) and men's swimming (971).

"Overall, we are pleased with this initial APR report, and we feel that it is a positive reflection on the work of our student-athletes in the classroom and the support system that we have in place for them," said Phyllis LaBaw, who is in her first year as Tech's associate director of athletics for academic services.

The APR is a key component of the NCAA's academic reform structure, which is designed to ultimately improve graduation rates for student-athletes. Under the formula, each scholarship student-athlete is scored each semester, receiving one point for remaining academically eligible and one point for being retained. Conversely, points are deducted for a student-athlete who doesn't meet those requirements.

The NCAA Division I Board of Directors, on which President Wayne Clough serves, established a score of 925 (out of 1000) as acceptable for each sport. A sport program falling below that score is subject to scholarship reductions.

"We're very pleased to see these numbers and take great pride in the success of our student-athletes," said Clough. "Performance in the classroom as well as performance on the field continues to be our priority at Tech."