University Leadership Program plans for institutional transition

Training the next generation of faculty leaders

Michael Hagearty
Institute Communications and Public Affairs

A pilot program aimed at developing current and emerging academic leaders is being strongly supported by Georgia Tech’s provost as an important tool for institutional stability. A class of 10 faculty members met last month to begin an eight-month program of activities that will hone key leadership qualities and give participants a richer understanding of Tech’s strategic vision.

Provost Jean-Lou Chameau said the main objective was to improve the quality of leadership within Georgia Tech by building a strong network of colleagues.

"To ensure the effectiveness of Georgia Tech’s leadership, it is imperative we have a program in place that fosters the leadership skills of our emerging and new leaders," Provost Jean-Lou Chameau said.

Created by the Office of Organizational Development at Chameau’s request, the new University Leadership Program is designed to provide a measure of continuity within the upper echelons of Tech’s administration.

In developing the program, Hal Irvin and James Nelson of the Office of Organizational Development initiated a benchmarking study and interviewed more than two dozen campus faculty leaders. A variety of issues — faculty recruitment, faculty development, financial management, people management, alumni and donor relations — surfaced as topics of interest.

Irvin and James Nelson of the Office of Organizational Development initiatives — surfaced as topics of interest.

All of the participants in our program are skilled in these areas, but all are committed to developing their skills further through our topical seminars," Hal Irvin said. "They are an outstanding group and we are delighted with their involvement."

In the program’s second year, to begin next fall, a new group of faculty that “show promise for a future leadership role” will be tapped for similar training.

Chameau emphasized the importance of succession planning and knowledge transfer, particularly as some of its senior faculty leaders move toward retirement or pursue other options.

“We must engage the next generation of leadership talent so that the Institute can sustain its standing among the nation’s premier research universities,” he said.

2005-06 University Leadership Program Fellows

Jane Ammons associate dean, College of Engineering
Nelson Baker associate vice provost, Distance Learning and Professional Education
Giselle Bennett senior research engineer, Georgia Tech Research Institute
Mai-Yin Chou chair, School of Physics
Dione Hicks chair, School of Public Policy
Joe Hughes chair, School of Civil and Environmental Engineering
Sabir Khan associate dean, College of Architecture
John McDonald chair, School of Biology
Chuck Parsons professor, College of Management
François Sainfort associate dean, College of Engineering

Innovation Summit to address regional challenges

Preparing for global competition in research and technology

Michael Hagearty
Institute Communications and Public Affairs

A comprehensive approach to help the United States prepare to compete in the emerging global economy will be the subject of intense discussion next week, when Georgia Tech hosts the first regional summit in the wake of the final report from the National Innovation Initiative (NII).

The findings — based on the work of more than 400 industry, government and academic leaders — present a new sense of purpose and mission, and suggest mechanisms to drive the pace and quality of the national innovation enterprise.

Commissioned by the U.S. Council on Competitiveness and released in December 2004, the report proposes action in three key categories — talent, investment and infrastructure — and offers several recommendations for each.

President Wayne Clough served as co-chair of the NII. As part of a three-year implementation effort, the Council is encouraging these regional innovation summits to develop strategies that help local economies adapt to the forces of globalization.

This regional event will review the recommendations of the National Innovation Initiative and discuss what can be done to make the South more innovative. Panel participants will include university presidents, corporate CEOs and key government officials.

It will also signal the launch of the Southern Innovation Initiative.

Summit continued. page 3
Industry partnership finds alternative uses for eggshell waste

Angela R. Colar
Georgia Tech Research Institute

Each year in Georgia, more than 37 million pounds of eggshells are directed to landfills. For the companies involved in that industry, such a large amount of waste is both an environmental and economical issue. Georgia Tech researchers recently undertook an effort to develop an alternative to landfills that extracts value-added byproducts from eggshell waste.

“For years, some of these eggshells have been converted by the rendering industry into animal feed supplements. And these same eggshells also have components of value to the papermaking, pharmaceutical, and biochemistry industries,” explains Jeff Hsieh, a professor in the School of Chemical and Biomolecular Engineering and the study’s principal investigator. In a study funded by Georgia’s Traditional Industries Program for Food Processing, Hsieh and his research team are concentrating their efforts on using the main component, calcium carbonate, in papermaking applications.

According to Hsieh, the eggshells are approximately 95 percent calcium carbonate and 4.5 percent membrane. The calcium carbonate in the eggshells, he says, can be a substitute for mined minerals that improve brightness, opacity and strength in paper. It can also potentially be used to improve the appearance of the paper, making it easier to print on as well as smoother, more opaque and brighter when used as a coating.

The eggshell membrane, on the other hand, can possibly be used as a raw material in the manufacture of amino acids. The remainder of the membrane can be used as an additive for animal feed.

The problem is how to completely separate the calcium carbonate from the membrane in an economically and environmentally sound method. Over the past year, Hsieh and his team have taken the initial steps to resolve the problem.

The research team has developed a lab unit that successfully separates the two by using a water/air mixture. The unit grinds the eggshells and mixes them with water. The mixture is then put into a countercurrent column. Using a combination of water and air pumped from the bottom, the membrane is separated from the calcium carbonate, with the carbonate falling to the bottom and the membrane floating off the top.

When the team field tested the unit, it successfully separated nearly 100 percent of the calcium carbonate from the membrane.

Together with private industry, the research team has begun to evaluate the use of the calcium carbonate for applications in the paper or other industries. Hsieh says successful completion of this project will provide tangible benefits for both the poultry and paper industries. “This project will solve a landfill problem for the poultry industry and recover eggshell waste destined for the landfill and transform it into a value-added product for the paper industry.

“It is also a project that can provide a win-win situation for food and other industries by pulling the resources together from all parties,” he added. “This will increase the chance of success by reducing everyone’s risk and investment during the current economic climate.”
**Chemical storeroom now managed by outside company**

Matt Tagel
Institute Communications and Public Affairs

The chemical storeroom in the Ford Motor Company Environmental Science and Technology (ES&T) building has new management. As of Oct. 1, direction of the storeroom, previously run by the Institute, was handed over to VWR International, Incorporated.

“We’re very excited,” said Procurement Associate Director Judy Whitfield. “This is a better business practice, and we think the researchers, faculty, staff and students will all benefit from this change.”

According to Whitfield, the change was made to allow for better quality of service. VWR will allow for campus clients to use procurement cards, or P-cards, to purchase items, and will work seamlessly with Chemtrax — the software system that keeps track of chemicals across campus.

“VWR is a nationally recognized distributor of chemicals and laboratory supplies, and we now have direct access to their expertise and knowledge,” said David Moore, financial manager of the College of Sciences.

Researchers in academic units across campus and at the Georgia Tech Research Institute will reap the benefits from the new vender. Whitfield says VWR will be proactive in its approach to managing the storeroom by contacting researchers about the supplies they have a history of ordering. Whitfield says it sounds simple, but it will save time and effort.

“This will improve working conditions by improving the availability of commonly used supplies,” said Jerry O’Brien, director of facilities for the College of Sciences. “VWR uses state-of-the-art inventory tracking software and purchase options, which by nature make the procurement process much more efficient.”

VWR has begun the management process by evaluating the current stock in the storeroom and is in the process of selling off obsolete inventory. The sale is going on now at the ES&T storeroom.

The storeroom in the Fogg building will also be managed by VWR, which should offer the same benefits.

“These storerooms will now be operated just like a VWR distribution center,” said Whitfield. “We expect that they’ll have a better inventory with more accuracy and less obsolete items to more amply serve the researchers and campus community.”

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**Regents’ professor to assume Smithgall Institute chair**

Megan McRainey
Institute Communications and Public Affairs

J.P. Wong, a Regents’ professor in the School of Materials Science and Engineering, has been named the Charles Smithgall Chair, one of two Institute chairs at Tech.

“I’m pleased that Professor Wong has accepted this chair,” Provost Jean-Lou Chameau said. “His reputation and distinction on our campus and in the field of materials embodies the spirit of the role for a senior leader at Georgia Tech.”

A member of the National Academy of Engineering, Wong joined the faculty in 1996 as a professor and as a research director of the Packaging Research Center (PRC). In 2004, he received Tech’s Distinguished Professor Award, the most prestigious award bestowed upon Tech faculty members.

He leads a team in the PRC’s Assembly, Reliability, Thermal Management and Electrical Testing Thrust areas. He has recruited 15 new member companies and has also become the PRC’s director of Tech Transfer and Industrial Collaboration.

“I thank the Smithgall family for their generosity and commitment to research and education,” he said. “As one of two Institute endowed chairs, I’m very pleased to assume this title and honored to represent Georgia Tech in this way.”

Wong holds a bachelor’s degree in chemistry from Purdue University and a doctoral degree from Pennsylvania State University.

The previous holder of the chair, Earth and Atmospheric Sciences Professor William Chameides, retired this past spring.

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**GT Best Practices Challenge**

The annual Georgia Tech Best Practices Challenge, intended to acknowledge the creative and innovative ways departments are improving processes, using information technology and motivating people, begins Nov. 14.

The program is a forum for the Tech community to create, share and adopt best practices.

Entries selected as the Best of the Best and Runner Up winners will receive trophies and be presented at a one-day Best Practices Showcase that will be open to the campus. Honorable mention entries will be awarded Certificates of Recognition. Both Trophy and Certificate winners will also be invited to attend a recognition reception with senior academic and administrative leaders.

For more details regarding the criteria, entry forms and awards may be found at www.orgdev.gatech.edu/bp/tech.htm.

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**ORGT Resource Center named**

Legions of Tech alumni know the key role that Miller Templeton, retired director of the Office of International Education, played in the birth and development of Outdoor Recreation Georgia Tech (ORGT), which was founded in the 1970s. Now, Templeton’s contributions as a founder and advocate of the organization will be permanently acknowledged by the naming of ORGT’s Resource Center in his honor.

Templeton was honored at a September 8 dedication ceremony at the Campus Recreation Center. Earlier this year, Flanagan made a seven-figure gift in support of Georgia Tech, and the naming of the ORGT Resource Center for Templeton is one element of that gift.

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**Send holiday greetings to deployed alumni**

The Georgia Tech Alumni Association invites faculty and staff to send a holiday greeting to Tech alumni deployed overseas during the holiday season. Between now and Nov. 12, visit www.gtalumni.org/site/MailForm/HolidayGreetingForm to complete the form. It will let the Yellow Jackets stationed around the world know that you’re thinking of them.

Greetings will be compiled and sent to deployed alumni in time for the holidays.

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**Football game rescheduled due to Hurricane Wilma**

With Hurricane Wilma projected to hit South Florida last weekend, Georgia Tech’s football game at Miami, scheduled for Oct. 22 at the Orange Bowl, was postponed. The game has been rescheduled for Nov. 19.

The only other time Georgia Tech had a game postponed was 2001 following the Sept. 11 terrorist attacks. The Yellow Jackets were scheduled to play at Florida State on Sept. 15, but the game was moved to Dec. 1. Tech’s only other weather-related incident was in 2000, when the Jackets were scheduled to open the season Aug. 27 at Virginia Tech in the ACC Bowl, but heavy rain and severe lightning caused the game to be cancelled just moments before kickoff. The contest was not rescheduled.

Tech’s next game is Saturday, Oct. 27 when the Yellow Jackets host Clemson University at noon on ESPN2.
Campus Events

Art & Culture

Oct. 24 - Nov. 9
The School of Literature, Communication and Culture and the School of Modern Languages co-sponsor an international film series. For titles and times, visit www.film.gatech.edu/series.htm.

Oct. 26
The annual Bourne Poetry Reading, featuring Devon Gilroy, Michael Ryan and Thomas Lux, will be at 7 p.m. in the Clary Theater.

Oct. 26
The Frist Center for the Arts welcomes jazz trumpeter Chris Botti for an 8 p.m. performance. For tickets or information, visit www.fristcenter.org.

Oct. 26
The Frist Center for the Arts welcomes the Beijing Modern Dance Company for an 8 p.m. performance. For more information, visit www.ferstcenter.org.

Nov. 4-5
DramaTech Theatre performs its fall musical, “West Side Story,” at 8 p.m. Additional performances will be held Nov. 9-12 and 17-19. For more information, visit www.dramatech.org.

Brown Bags/Conferences/Lectures

Oct. 25
The Materials Council’s seminar series continues with Florida State University Professor Justin Schwartz, on “High Temperature Semiconductors: How and When They Might Yet Succeed,” at 3 p.m. in room 185, Love Building.

Oct. 27
The GVU Center hosts a brown bag, featuring College of Computing Associate Professor Rebecca Grafter on “Work2Play: Usable (and Useful) Security,” at noon in room 353, Centenary Building.

Oct. 27
Regents’ Professor of Physics Ronald Fox will deliver a “Centenary Commemoration of Einstein’s Annus Mirabilis, 1905,” at 7:30 p.m. in the College of Management’s LeCraw Auditorium. For more information, call 894-7088.

Oct. 28
The School of Economics welcomes University of Warwick Professor Mangard Slade on “The Role of Economic Space in Decision Making” at noon in room 221, Management Building.

Nov. 1
The Healthy Places Research Group is hosting a presentation on “Physical Activity, Health and the Built Environment” by Bill Kohn of the U.S. Centers for Disease Control and Prevention at 7:30 a.m. in Emory University’s Rollins School of Public Health. For more information, visit www.coe.gatech.edu/cyagd/projects.htm.

Nov. 3
The Annual Gegenheimer Lecture on Innovation will be delivered by University of Toronto Professor Margaret Slade on “The Role of Economic Space in Decision Making” at noon in room 221, Management Building.

Nov. 9
The Office of Organizational Development hosts a training class in “Proofreading Made Easy,” in room 308, Savant Building. To register, visit www.trainweb.gatech.edu.

Nov. 16

Miscellaneous

Nov. 2-3
A representative from TIAA-CREF will be on campus to conduct one-on-one financial counseling sessions. To schedule an appointment, call 800-842-2003 or visit www.tiaa-cref.org/moc.

Nov. 15
The deadline to submit Fall semester applications for both the TAF and STRAP tuition assistance programs. Send applications to Kimberly Porter in the Office of Organizational Development, mailbox 0206. For more information, call 894-2249 or visit www.ordev.gatech.edu/tuition.

E-mail calendar events to editor@icpa.gatech.edu.

Classifieds

Automobiles

1973 VW Bug. 1600cc motor. Daily driver for past year. Extensive repairs needed body work, paint and minor repairs to complete. $2,700 OBO. E-mail joanie化疗@coa.gatech.edu.

1990 Toyota 4-Runner. Excellent condition, 199K miles, 6-cylinder engine, 4WD fully loaded. $3,500. E-mail rustysanderson@gmail.com or call 404-373-7100. Pictures available. Great first vehicle for your child.

2000 Volkswagen Passat. Only 59K miles; front & side air bags, automatic, CD changer, a/c, anti-lock brakes, heated seats, black with tan leather, power steering/locks/alarms, sunroof, $10,780. E-mail william.borland@grti.gatech.edu.

Furniture

Dining room set. Traditional light cherry wood. 6 chairs, table with leaf to expand, custom table pads, sideboard cabinet w/glass china cabinet. $500. E-mail tim.carroll@mgt.gatech.edu.

2BR/3.5BA townhouse for rent, 3 blocks from Georgia Tech. Call 385-6311 or e-mail mbg225@mail.gatech.edu.

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The Office of Organizational Development hosts a training class in “Proofreading Made Easy,” in room 308, Savant Building. To register, visit www.trainweb.gatech.edu.

Nov. 9
The Office of Sponsored Programs hosts a workshop on “Intellectual Property and Tech Transfer,” from 10 a.m. to noon. To register, call 894-6944.

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