Economic development initiatives restructured under new office

John Toon
Research News

In a move that will help facilitate collaboration with business and industry, Georgia Tech has brought together its technology transfer and commercialization, economic development, technology incubator and strategic industrial relations activities under a single organization: the Office of Economic Development and Technology Ventures (EDTV) — led by Vice Provost Wayne Hodges.

"Bringing these activities together will enable the capability of Georgia Tech and its faculty to partner with industry, move new technologies into the marketplace, form new ventures from research innovations and help advance Georgia’s economy. I am pleased to have Wayne Hodges leading this important effort," said Provost Jean-Lou Chameau.

To maintain that leadership, Georgia Tech must continue making improvements, noted Charles Liotta, vice provost for research and graduate studies.

"A university today must interact with the society in which it exists to transfer research results for the betterment of society," he said. "This new structure will facilitate doing that."

For Georgia Tech researchers, the consolidation will mean a more seamless integration of the technology evaluation, patenting, marketing and licensing process, said Jilda Garton, general manager of the Georgia Tech Research Corporation (GTRC), which holds the Institute's intellectual property.

The restructuring had been recommended by outside organizations, including the Washington Advisory Group, which studied Tech’s commercialization activities last year. While the group praised the Institute’s accomplishments, it recommended bringing units with complementary missions together to improve communication and collaboration.

Hodges, who served as associate vice president before the restructuring, has more than 30 years of economic development experience. He was part of the team that founded the Advanced Technology Development Center — Georgia Tech’s technology incubator — and in 1993 consolidated Georgia Tech’s economic development resources into the Economic Development Institute (EDI).

To facilitate collaboration with EDTV in evaluating and marketing technology, George Harker — who directs the Office of Technology Licensing (OTL) — will take on additional responsibilities as assistant vice provost for technology commercialization in Hodges’ organization. He will work with the staff of EDTV’s VentureLab to evaluate and market technology developed in Georgia Tech’s $300 million-per-year research program.

GT-Savannah campus dedicated

Larry Bowie
Institute Communications and Public Affairs

Georgia Tech’s recently completed Savannah campus, opened this fall and formally dedicated last week, is the new hub for the academic and research facilities that support curriculum in the Georgia Tech Regional Engineering Program. Known by the acronym GTREP, the program offers students who live in the southern part of the state an opportunity to earn a Georgia Tech degree through distance learning connections and on-site classes while remaining in the area.

The new campus is the cornerstone of the largest technology corridor project in southeast Georgia’s history.

To make an even bigger impact on the region, operations on the Georgia Tech-Savannah campus include two economic development programs that help Georgia entrepreneurs launch and build successful companies: The Economic Development Institute and the Advanced Technology Development Center.

In cutting the ribbon on GT-Savannah, President Wayne Clough said, "Our aspiration is to define the technological university of the 21st century. That obviously means offering top quality education, research, and economic development programs. But it also means being innovative and entrepreneurial about creating opportunities for students, faculty, and staff to interact with each other and with the community around them. Georgia Tech-Savannah is an exciting model for creating those opportunities, and this campus gives us a new tool both to achieve excellence and to help drive economic growth in southeast Georgia."

Professors honored with nation’s top prize in science and technology

Elizabeth Campbell and Sean Selman
Institute Communications and Public Affairs

Last month, President George W. Bush announced the recipients of the nation’s highest honor for science and technology. Among the laureates to receive the 2002 National Medal of Science and Technology were Professor Russell Dupuis in the School of Electrical and Computer Engineering and physics alumnus W. Jason Morgan.

The honorees will receive the medals at a White House ceremony on November 6.

"I am happy to be a part of the history of light-emitting diodes (LEDs), and this medal is a wonderful recognition of that contribution," says Dupuis. "It has been interesting to teach graduate students about this technology that I perfected in the 1970s, then have them go out and discover and learn new applications and new ways to improve these important materials."

Medal continued, page 2
Business units lead the way in BuzzPort usage

David Arnold
Institute Communications and Public Affairs

Those who haven’t discovered BuzzPort — Tech’s campus portal — or aren’t using it regularly may be missing an opportunity to develop and use some new tools that would improve workplace efficiency.

Since its rollout this summer, BuzzPort use has steadily increased, and there are currently 93 groups formed for a variety of units across campus.

One of the primary benefits of a portal is the improved ability to access customized information and communicate with people with common interests. That commonality may be based upon enrollment in the same course, or it may revolve around membership in the same club or other organization.

Using the Banner System as a backbone, BuzzPort automatically creates e-mail lists, message boards, chat rooms and other communications features for all courses offered at Tech.

Surprisingly, even though the portal was originally billed as an effective means for faculty to manage classes, more non-academic units are forming groups through BuzzPort. Business units on campus have formed 35 groups. Students, meanwhile, have taken their own initiative, forming 32 groups for organizations and other student support units, including seven groups in Auxiliary Services.

“BuzzPort has been very helpful to me,” said Melissa Moore, communications officer for Auxiliary Services.

Not sure what BuzzPort can do?

• Replaces the need to expend resources developing an intranet.
• Provides for remote access to calendar, acts as an easy mechanism for communicating with colleagues in remote locations, and is an efficient way to manage an interdisciplinary research group.
• In the future, will offer the ability to share files remotely.

“I am anxious for more faculty to begin using it so more students will use it, which in turn will make it more useful for everyone. It’s easy to use and a great vehicle for reaching students.”

One of the greatest opportunities that BuzzPort provides is the distributed development and presentation of compelling and timely information. BuzzPort delivers customized informational content through channels — topic-specific areas that provide convenient access to information, applications, or other Web resources. In general, channels provide at-a-glance information with links to expanded content or resources. Typical channels include information such as the number of appointments on a calendar; messages and announcements that have been sent, links to other online resources at Georgia Tech, access to course schedules or administrative services.

The BuzzPort sponsors and developers are committed to improving the features and usability of the portal. Based on early returns, it could be an easy way for the various campus units to save money in tight budget times while still developing some new products to serve the campus community. In the coming months, information on the new enhancements and the adoption schedule will be announced.

For more information...

BuzzPort Training
info.buzzport.gatech.edu

BuzzPort — Tech’s campus portal — or aren’t using it regularly may be missing an opportunity to develop and use some new tools that would improve workplace efficiency.

LEDS, small electronic devices made from semiconductor materials, are the world’s most efficient light source being mass produced today. They are seen more and more in automotive taillights and traffic signals. The energy savings of replacing traditional traffic signals with LED versions pays off in about 12 months or less, according to Dupuis.

“A typical incandescent light bulb is very inefficient with less than 1 percent of the energy becoming useful light; much of the energy is lost as heat. In principle, LEDs can convert 100 percent of electricity into light. If we can replace some large fraction of lighting products to LEDs, then we can save billions of gallons in oil and tons of coal reserves. So, the real impact of this technology is in the energy sphere,” said Dupuis.

The National Medal of Technology recognizes men and women who embody the spirit of American innovation and have advanced the nation’s global competitiveness.

Their groundbreaking contributions commercialize technologies, create jobs, improve productivity and stimulate the nation’s growth and development. This award, established by Congress in 1980, is administered by the Department of Commerce. As the President presents this year’s awards, 146 recipients will have been honored with the medal.

Russell Dupuis Jason Morgan

In addition to Dupuis, Georgia Tech alumnus W. Jason Morgan also earned the National Medal of Science for pioneering theories that describe how land masses move, volcanoes arise and many other features of the land and sea take shape.

Morgan, a Savannah native, studied at Georgia Tech as a young man in the late 1950s, earning his undergraduate degree in physics here in 1957. After serving two years in the Navy, Morgan went on to graduate school at Princeton University, where he studied under Robert Dicke, a renowned mentor of many important 20th century physicists. He received his doctorate in 1964 and joined Princeton’s geosciences department. In 1968, Morgan published his seminal theory of plate tectonics, which describes how the Earth’s surface consists of a dozen plates that move with respect to each other. This work provided a unified framework for understanding earthquakes and volcanoes as well as the formation of mountains, ocean basins and other surface features. It also underlies nearly all current research into deposits of petroleum and other natural resources and the evolution of the Earth’s climate and life.

“I am surprised and very honored to receive the National Medal of Science,” Morgan said. “This is very personal to me as my thesis adviser, Bob Dicke, also received this award. I owe a great debt to Bob. My apprenticeship with him 40 years ago was where I learned what science is — how to formulate and attack a scientific problem. His approach and attitude toward science remain with me today.”
IN BRIEF:

**Governor honors CERTIP**
Gov. Sonny Perdue has declared an emergency response research program at the Georgia Tech Research Institute as a state center for excellence in homeland security.

Perdue’s designation came in a proclamation Oct. 15 praising the Center for Emergency Response Technology, Instruction and Policy (CERTIP) for its leadership in forming effective research partnerships to enhance the state’s homeland security.

After the ceremony, the group discussed future joint activities by Tech and Georgia’s homeland security agencies, including plans to support security management at the 2004 G8 Summit at Sea Island, and continued efforts to attract research funding to the Southeast.

Gov. Perdue’s proclamation celebrates the excellent collaborative work already done by CERTIP researchers and the Georgia Department of Homeland Security,” CERTIP Director Tom Bevan said. “The center of excellence designation will solidify our partnership and allow us to do an even better job of rapidly prototyping new technologies for homeland security.”

**Dissertations go online**
A pilot program supported by the Office of Research and Graduate Studies and the Library and Information Center gives Georgia Tech grad students the ability to submit theses and dissertations electronically. This fall, students can choose to create an electronic version of their work and deposit it in the ETD (Electronic Thesis and Dissertation) Collection found at etd.gatech.edu.

According to Catherine Jannik, head of the Digital Archives Department, there are several benefits to creating a new system. Perhaps the most intriguing aspect will be in allowing students the freedom to include multimedia — through hyperlinks, audio or video clips — to enhance their work. Collecting these works digitally also eliminates the need to print multiple paper copies, and can also help with searchability, increasing the likelihood of having their work cited by other researchers.

Approximately 400 ETDs from the Institute of Paper Science and Technology have recently been added to the Library’s catalog. For more information, e-mail etd@library.gatech.edu.

**Volunteers needed**
Student, faculty and staff volunteers are invited to assist at the state of Georgia 2003 FIRST LEGO League Challenge, held on Saturday, Nov. 22, from 8 a.m. to 4 p.m. at SciTrek Museum. Two groups from Georgia Tech — the School of Electrical and Computer Engineering and the Center for Education Integrating Science, Mathematics, and Computing — and SciTrek Museum will co-host this event.

FIRST (For Inspiration and Recognition of Science and Technology) is an organization founded to inspire interest in science and engineering among young people. The theme is “Mission Mars,” giving students aged 9 to 14 the chance to experience what it would be like to visit the Red Planet and explore the Martian landscape with visions of colonization. Thirty teams from around the state of Georgia will be competing.

Volunteers are needed for all phases of operation. For more information, call at 894-4770 or e-mail jeff.davis@ece.gatech.edu.
CLASSIFIEDS

C A M P U S  E V E N T S

**Art & Culture**

**Nov. 14**
The bookstore will host the Georgia Poetry Society’s open mic night, featuring Robert Giannetti and Karen Wurl. Sign-ups begin at 7 p.m.

**Nov. 17**
Ivan Allen College’s Poetry at Tech welcomes poets from the state of Georgia — Anthony G. Kellman, Eric Nelson and Larry Rubin — at 4:30 p.m. in the Clary Theater. No tickets are required.

**Brown Bags/Conferences/Lectures**

**Nov. 7**
Ivan Allen College’s Seminar in Science and Technology Studies welcomes Timothy Lenoir, a professor of history at Stanford University, on “Inventing the Entrepreneurial University: Stanford and the Co-evolution of Silicon Valley,” at 3 p.m. in the Clary Theater.

**Nov. 11**
The School of Mechanical Engineering’s Woodruff Collegium Series welcomes Yogesh J. Aluria, professor in the Department of Mechanical and Aerospace Engineering at Rutgers University, on “Thermal Transport in High Speed Optical Fiber Drawing and Coating,” at 3 p.m. in room 4211, MRDC. For more information, call 385-4225.

**Nov. 12**
The DuPree College of Management’s IMPACT Speaker Series welcomes Amy Millman, president of Springboard Enterprises, at 4:30 p.m. in the LeCraw Auditorium.

**Nov. 13**
The Graphics, Visualization and Usability (GVU) Center hosts a brown bag featuring Assistant Professor Thad Stamer on “Interfaces for Augmenting Conversation,” at noon in room 102, MRDC. For more information, call 894-4488.

**Faculty/Staff Development**

**Nov. 6**
The Office of Information Technology hosts an “Information Architecture Security Overview,” at 2 p.m. in room 242, Rich Building. To register for this free session, visit www.trainsweb.gatech.edu.

**Nov. 11**
The Office of Organizational Development and the Office of Information Technology sponsor a free course on “Securing Linux” at 9:30 a.m. in room 242, Rich Building. To register, visit www.trainsweb.gatech.edu.

**Nov. 18**
The Office of Sponsored Programs’ brown bag series on “Subawards” will be at noon in room 119, Centennial Research Building. To register, call 894-6944.

**Nov. 20**
The Center for the Enhancement of Teaching and Learning’s Faculty Development Seminar Series continues with “Demystifying Ethics Education,” presented by Robert Kirkman, assistant professor in the School of Public Policy, at 11 a.m. in the Library’s Homer Rice Center. Lunch will be provided to those who register by calling 894-9418.

**Miscellaneous**

**Nov. 15**
The Office of Government Relations holds its annual Legislative Network Fall Briefing. State government and Board of Regents’ officials will join President Wayne Clough to discuss the University System’s budget priorities and news about the state’s overall economic outlook, beginning two and a half hours before kickoff of the Georgia Tech/University of North Carolina football game. Advance registration is requested. Call 894-1238 or e-mail lisa.nayyar@dev.gatech.edu.

**Nov. 19-20**
A TIAA-CREF consultant will be on campus to conduct free financial planning sessions. To sign up, call 800-842-2003 or visit www.tiaa-cref.org/moc.

**CLASSIFIEDS**

**AUTOMOBILES**


1994 4-door, 127K miles, good condition. $6,950. Call 894-4332.

1994 green Ford Explorer XLT. 4-door, hatchback, 161K miles, major service at 140K. Very clean, good condition, $1,150. Call 770-565-3242.

1997 Ford Explorer XLT. Silver w/gray leather, V6 4.0 SOHC automatic w/overdrive, all power, sunroof, 6-C changer, keyless entry, running boards all options and dual sunroof. Includes internal seat coil springs. Includes drive, WinXP, Office XP, 2 batteries, DVD, internal ethernet, leather case, $1,100. DLink wireless PCMCIA card, $40. Email dari.molavi@gtri.gatech.edu or call 404-233-3668.

1994 4-door, 127K miles. Excellent maintenance, $1,550 1997 Ford Explorer XLT. Silver w/gray leather, V6 4.0 SOHC automatic w/overdrive, all power, sunroof, 6-C changer, keyless entry, running boards all options and dual sunroof. Includes internal seat coil springs. Includes drive, WinXP, Office XP, 2 batteries, DVD, internal ethernet, leather case, $1,100. DLink wireless PCMCIA card, $40. Email dari.molavi@gtri.gatech.edu or call 404-233-3668.


1994 Mitsubishi 3000GT. Green, 2-door, 127K miles, good condition. New clutch, 5-speed, front wheel drive, multi-CD. $6,000. Call 894-2479 or email MT3000GT@hotmail.com.

1996 Toyota RAV4 2-door. Automatic, all options and dual sunroof. Outstanding condition, all records. Recent expensive service by Toyota. 65K miles. Ideal campus car. $6,950. Contact jayant@mediaflow.org.

1999 Ford Explorer XLT. Silver w/gray leather, V6 4.0 SOHC automatic w/overdrive, all power, sunroof, 6-C changer, keyless entry, running boards all options and dual sunroof. Includes internal seat coil springs. Includes drive, WinXP, Office XP, 2 batteries, DVD, internal ethernet, leather case, $1,100. DLink wireless PCMCIA card, $40. Email dari.molavi@gtri.gatech.edu or call 404-4332.

Furniture Simple styling ocean blue sofa w/box seat fabric removable cushions and internal seat coil springs. Includes three accent pillows, $350 OBO. Pictures available. Call 894-8474 or Email sonia.gutkin@chbe.gatech.edu.

REAL ESTATE/ROOMMATES Visiting scholar from New Zealand looking for a (preferably furnished) room or small apartment for 3 months starting in November. Non-smoker. Maximum rent, $900/month. E-mail Kutas at 770-383-3464.

SPORTS/FITNESS/RECREATION 2 Sea-Doos for sale. Both 2-seaters, excellent condition, custom covers, garage kept. New ComFab double trailer, low mileage, mounted utility box with locks, $4,500. E-mail mandy.huff@pfe.gatech.edu or call 404-374-5847.

MISCELLANEOUS Futon mattress, 10-inches thick, dense foam core sandwiched between cotton layers. 2 years old, in excellent condition. Asking $80 OBO, original price $210. Call 404-210-3515.


Georgia Tech swather: Ladies’ cardigan, perfect for game day. Football, basketball, and Tech Tower emblems. See www.geocities.com/geffamily/swather.html for pictures. $20 OBO. Contact mark.geil@ap.gatech.edu or call 404-374-5847.

Moving sale. Pictures available, check the Web page http://photos.yahoo.com/soegut. E-mail sonia.gutkin@chbe.gatech.edu or call 894-8474.