GTRI*nsider*

GTRI Creates New Research Labs to Highlight Capabilities, Develop Technical Preeminence

The Georgia Tech Research Institute (GTRI) has created two new research laboratories: the Electro-Optical Systems Laboratory (EOSL) and the Health and Environmental Systems Laboratory (HESL). The new laboratory units were created July 1 from the former Electro-Optics, Environment and Materials Laboratory (EOEML).

Formation of the new laboratories will highlight research capabilities in their areas of specialization, position the labs for future growth and support GTRI's goal of becoming technically preeminent in all major areas of its applied research activity. The change also recognizes the growing importance of health-related research and aligns GTRI with other major research initiatives at Georgia Tech.

Gisele Bennett, director of the Logistics and Maintenance Applied Research Center (LandMARC), has been appointed director of the new EOSL (See related article). Ken Johnson, who has been acting director of EOEML, will serve as acting director of HESL during a 90 day planning period to define the lab's vision, strategy, and organizational structure. An interim director will then be selected while the search for a permanent lab director is conducted.

> ## "The work we are doing in these areas is really top-notch, and we want to make that more visable to our stakeholders and others."
>
> Stephen E. Cross, Georgia Tech Vice President and Director of GTRI

"Splitting the old EOEML lab into two new organizations allows us to showcase the technical preeminence of our research in these areas," said Stephen E. Cross, Georgia Tech vice president and director of GTRI. "The work we are doing in these areas is really top-notch, and we want to make that more visible to our stakeholders and others."

Over the past several years, GTRI has expanded its activities in health and environmental research and demonstrated the connections between them, Cross noted. Expanding research in assistive technologies, the environment, indoor air quality, energy, food processing, material characterization and sustainability provide a foundation for HESL's growth.

"We think of health and environmental systems together as addressing the quality of life," Cross explained. "We will be able to

In This Issue

A Bird's Eye View

Graduate Research Assistant Derrick Karimi shows students from DeKalb County how to download aerial images of their schools using the Georgia Tech Virtual Geographic Information System. They were visiting GTRI as part of a summer enrichment partnership program, DeKalb Summer Extravaganza, sponsored by by the Georgia Tech Center for Education Integrating Science, Mathematics and Computing (CEISMC), GTRI, and the DeKalb County Schools Technology Family Resource Centers.

Ireland Connection

GTRI welcomed Ireland Minister of Enterprise, Trade, and Employment, Micheál Martin, to Atlanta to discuss future Ireland/GTRI collaboration. Pictured l-r: GTRI Deputy Director Dr. David Parekh, Minister Martin, and V.P./Director GTRI Dr. Stephen Cross.

Director's Notes...

I am proud to introduce the *GTRInsider* which is a new approach we are taking to share more information about what is going on across GTRI. The *GTRInsider* is YOUR publication and we need your input to make it as useful as possible.

In 2003, shortly after I arrived, I made a commitment to communicate effectively within GTRI, with our university colleagues, and our external stakeholders. Improving communication still remains a very high priority at GTRI.

This summer I spent six weeks speaking directly with you during 16 town hall meetings. The meetings have become a twice yearly tradition and have helped me learn about what is working – and what needs to be improved – across the organization. I have appreciated your candid and honest feedback and strongly encourage everyone to spend more time communicating directly, and regularly. After all, we are here to support each other in every way possible.

Of course, town hall meetings are not the only way you can make your voice heard. I maintain an open door policy and invite you to contact Marie Little for a convenient time to stop by and see me to discuss issues of concern to you, or you may e-mail me at AskSteve@gtri.gatech.edu. All discussions, whether verbal or in e-mail, will remain in confidence unless you say otherwise.

The future of communication at GTRI is bright. We'll soon be embarking on a redesign of our external website, experimenting with blogs and podcasting, and launching a new GTRI brand identity. The *GTRInsider* is the first step in what promises to be a dynamic communication program that will insure our employees and other stakeholders are kept up to speed on the latest GTRI news.

To say I am excited about what's to come is an understatement. I do know, however, that communication is a two way street and your input is the key to success.

Stephen E. Cross

Dr. Stephen Cross
Vice President, Georgia Tech
Director, GTRI

Have an article for the next issue of *GTRInsider*?

The GTRInsider is your publication, and we encourage the submission of story ideas and articles from across GTRI. Articles or new tips should be sent electronically to gtrinsider@gtri.gatech.edu.

Articles should be no longer than one typed page and should be of interest to a wide audience. Remember – The *GTRInsider* reaches all 1,200 GTRI employees and several hundred GTRI alumni. All articles are subject to editing and, due to space limitations, we cannot guarantee that all articles submitted will be printed.

Questions about the *GTRInsider* should be directed to either Kathryn Knox, GTRI Senior Information Specialist at 404-385-1759 or Kirk Englehardt, GTRI Director of Communications at 404-385-0280.

Articles should be no longer than one typed page and should be of interest to a wide audience.

> Up Close and Personal With...

Gary B. Hulsey

Gary B. Hulsey

WORKING FOR:
GTRI's Electronic Systems Laboratory as a Research Program Analyst (translation: technical writer,... or as Gary puts it 'el escritor solo').

WORK LOCATION:
CRB 420c.

GTRI EMPLOYEE SINCE:
July 2003.

MOST MEMORABLE JOB EXPERIENCE:
Working at a funeral home - riding shotgun on ambulance calls and assisting morticians.

WHAT I LIKE MOST ABOUT MY JOB:
The beauty of taking a rough document and making it accurate & concise for the reader. Kinda like pruning fruit trees.

IF I WON THE LOTTERY, I WOULD:
After helping needy friends and my church, I'd travel. New Zealand, Australia,...one thing would be to climb/hike Kilimanjaro.

MY FAVORITE FOOD:
Popcorn. Next favorite...popcorn.

SOMETHING YOU PROBABLY DIDN'T KNOW ABOUT ME:
I write poetry and short pieces called "reflections".

SOMETHING ELSE YOU PROBABLY DIDN'T KNOW ABOUT ME:
I ran the Atlanta Marathon when I turned 40.

PEOPLE TELL ME I RESEMBLE:
Tony Randall/Jack Lemmon.

IF I COULD PICK SOMEONE OUT OF HISTORY TO HAVE LUNCH WITH, I WOULD CHOOSE:
John the Baptist

THREE WORDS THAT DESCRIBE ME BEST:
spiritual, caring, joking.

ALL TIME FAV MOVIE:
Dr. Strangelove (Peter Sellers, George C. Scott, Sterling Hayden, James Earl Jones, Slim Pickens, et al)

RECENT BOOK READ:
In His Steps by Charles M. Sheldon

COMING FROM:
Formerly worked for ASG (Allen Systems Group) and was with BellSouth for 21 years.

GTRI labs and our hardworking researchers are the number one customers of the GTRI Communications Office. We make it standard practice to drop everything for you!

Communication is the key to success, and at GTRI we have a top-notch team hard at work finding new ways to enhance the way we communicate with each other and with the outside world.

From media relations, to presentation support, to video and audio production, and a conference center – the GTRI Communications Office has many tools that can help you send just the right message to a sponsor, reporter, your colleagues, or even the general public.

If you are working on a project you think is newsworthy, or if you simply want the rest of your GTRI colleagues to know about the great things happening in your office or lab, let the Communications Office know.

To learn more about how the GTRI Communications Office can help you, please contact the director, Kirk Englehardt, at 404-385-0280 or E-mail at kirk.englehardt@gtri.gatech.edu ●

The GTRI Communications Office:

- Coordinates all GTRI Media Relations
- Promotes GTRI in local, state, and national media
- Coordinates the GTRI Communication Advisory Team (CAT)
- Designs the GTRI Annual Report
- Manages the new GTRI Conference Center
- Directs the GTRI-related projects of the GT Research News and Publications Office
- Works with professional photographers and videographers
- Develops processes and procedures to enhance GTRI internal and external communication
- Coordinates all content and design for GTRI's external website
- Responds to information requests from the general public
- Works closely with other GT campus communicators
- and publications
- Coordinates the preparation and disribution of all news releases
- Consults with GTRI departments/labs on design of printed materials
- Works with researchers/scientists to highlight their work
- Supports business development activities
- Supports ribbon cutting, dedication, and other ceremonial events
- Assists the VP/Dir with special projects
- Is available to shoot digital photos and/or video of your events
- Maintains GTRI History Archive

Structure of the GTRI Communications Office:

Kirk Englehardt, Director of Communications,
    404-385-0280, kirk.englehardt@gtri.gatech.edu
Kathryn Knox, Senior Information Specialist,
    404-385-1759, kathryn.knox@gtri.gatech.edu
Shelly Ward, GTRI Conference Center Event Coordinator,
    404-894-5691, meetings@gtri.gatech.edu
Bobby Jones, GTRI Conference Center A/V Systems Specialist,
    404-894-1359, bobby.jones@gtri.gatech.edu

The GTRI Communications Office also works closely with the Georgia Tech Research News and Publications Office (RNPO). RNPO handles much of GTRI's writing, editing, and news distribution under the guidance of the GTRI Communications Office.
John Toon, Manager, Research News and Publications Office,
    404-894-6986, john.toon@edi.gatech.edu
Jane Sanders, Editor, Research Horizons,
    404-894-2214, jane.sanders@edi.gatech.edu

Giving to GTRI Gets Easier!

Did you know that as a Georgia Tech employee or retiree you can designate your annual (or any) gift to Roll Call to directly support programs within GTRI? Employees and retirees can now designate where their gifts go – so why not direct the funds to GTRI?

You can earmark your gift to any of the following GTRI accounts set:

351172	GTRI General Fund
352993	Research Faculty Leaders
352994	Schackelford Scholarships
352995	Equipment Funds
357569	Dental Technology Research Center

If your gift is made in response to the Alumni Association annual solicitation or the Faculty Roll Call Campaign, you simply write in the number of the account to which you want to contribute any place on your gift form. You can also split your gift among more than one account. If you give online, simply put the account number(s) in the "special instructions" box provided.

We all want to support GT, so why not make your gift count for the future of GTRI? ●

Hold your next event at the GTRI Conference Center

Why spend big bucks booking your meeting or conference off campus, when GTRI has a great new conference center available to you at no cost for most official GTRI events*?

Our new facility has over 10,000 square feet of prime event space. The GTRI Conference Center, located in the former GCATT building at 250 14th street, is the ideal place to hold your next event. The facility also has on-site parking, a 200+ seat auditorium, high speed internet access, teleconferencing and webcasting, and reception and banquet rooms. From small workshops and gatherings to trade and international conferences and executive meetings – it's quickly becoming the hot new Midtown meeting place.

GTRI labs and administrative departments holding "non-project-specific" official business events at our new conference center may use the facility at no cost. Non-GTRI customers will be subject to our competitive rates.

The facility is managed by the GTRI Communications Office and has an on-site event coordinator and an audio/visual expert to make sure your event goes exactly as planned.

We'd love to have you pay us a visit. To schedule a tour or book an event, please contact Shelly Ward at 404-894-5691 or E-mail meetings@gtri.gatech.edu.

* Does not include events that can be charged to research projects. Catering is the responsibility of the department/lab booking the event. If an event takes place after hours the GTRI Administration Office will pay the standard room rate, however, additional fees for after hours events will be charged to the department/lab booking the event.

Research Security: At Your Service

Working in research security is a lot like playing golf – you hit what you think is a perfect shot and, lo and behold, the ball rolls into the woods never to be seen again. It seems like in the past few years, getting a security investigation completed for a clearance has involved too many woods, water hazards and bunkers. However, the Research Security Department (RSD) is working hard to make important improvements quickly.

Congress recently mandated that the President shall select a single investigative agency to handle all Department of Defense, civilian, and contract personnel background investigations. The U.S. Office of Personnel Management (OPM) is expected to be that agency. The Congress also enacted a single standard for investigations and clearance reciprocity, now implemented by Executive Order 13381 of June 27, 2005. Change will affect everyone as we move from Electronic Personnel Security Questionnaire (EPSQ) to the OPM Electronic Questionnaires for Investigations Processing (e-QIP) which became effective on July 8, 2005. For details on e-QIP, you can go to http://www.opm.gov/e-qip/reference.asp. The use of the web based e-QIP is mandatory. Look for an e-QIP "How To" manual to be distributed by RSD in the very near future.

RSD strives to support every researcher in every corner of GTRI. Teaming with management personnel in four of our laboratories, we are carefully implementing Integrated Security Teams (IST), with the intention of improving security service to those labs in the near term. Initially, one IST will cover the Cobb County Research Facility (ATAS and SEAL), and the second team will cover EOSL and ITTL. The ISTs will be empowered to provide, locally, the support the laboratories need rather than relying on a central office. This will lead to many improvements including enhancing our ability to move documents to and from various locations in a timely manner. With almost 17,000 documents at GTRI plus almost 14,000 SENSIAC documents, efficiency is critical.

For more information about RSD or to offer feedback and/or suggestions, please contact RSD Director, Steve Woodall, at steve.woodall@gtri.gatech.edu.

Electronic Travel Authorization Requests Go Prime-Time (Live)!

As part of GTRI's continuous-improvement efforts, a new electronic Travel Authorization Request (TAR) system will be piloted in early FY06.

Several GTRI labs and departments will test the system in late July and August. The application will be easy to access and even easier to use.

It was built specifically to minimize errors and speed the process for handling travel requests. It allows electronic approval and submission to Travel, Inc. for direct airfare billing.

New Process Action Team Gets Down to Business

The GTRI Process Action Team hard at work simplifying the process used to set up accounting for research projects.

GTRI is almost 75 years old, and every once and a while we come across an internal process that appears to be about the same age! In some cases the process may be working the way it was intended, while in others the situation may be a bit different.

In June, the inaugural GTRI Process Action Team (PAT) came together to pilot a brand new method for improving complex processes. It should come as no surprise that the first one tackled was the process used to set up the accounting for research projects.

The committee members were Tom McDermott- ELSYS, Bo Rotoloni-STL, Vince Camp-ATAS, Raj Vuchatu-ESD and Julie Blankenship-Business Services. The committee also included representatives from Accounting, MAPS, ESD and OSP.

The PAT met for an intense two-day review of the process. The review's goals included mapping current and future state processes, establishing measurements for process steps, defining required projects to implement the future vision, and assigning ownership and due dates for implementing those projects. The group was led by expert facilitators using the Value Stream Mapping methodology to document current and future state processes.

At the end of the session the original 14-step process was reduced to 6 simple steps that will undoubtedly make the process easier and more efficient for everyone involved.

Some short and long-term improvements were identified including:

- Standardized Templates for Project Setup
- Elimination of OSP Budget entry/duplication of entry
- Automation of New Project Assignment in OSP
- Implementation of Common Planning Tool for project budgeting/planning
- Budgeting based on contract value vs. funding and period budgeting
- Verification report back to MAPS/PD after project setup
- Email notice to PD upon project setup in ETime
- Automation of project setup from Costpoint to PeopleSoft
- Automation of project budgets to PDMS
- Automation of data flow between systems

The team is already moving to implement the improvements identified during the review.

In the News

Fox 5 News reporter Nicole Allshouse visits with ATAS Principal Research Engineer Bob Englar for a story on his work to make tractor trailers, SUVs, and cars more fuel efficient and safer. Video of the Fox 5 story is now available on WebWISE.

Techno Mountain Men

GTRI/ITTL researchers Les Smee, Jay Sexton (pictured), and Jeff Evans headed to the mountains of Montana to demonstrate how new WI-MAX technology can be used to deliver wireless internet service to remote mountain towns. The team set up a transmitter at the University of Montana and shot a signal to a peak nearly 10 miles away, where mountaintop volunteers fired up their laptops and surfed the net. The project was a joint effort of GTRI, the Georgia Department of Education, and Intel.

Support Services Department

Our Mission:

The Support Services Department is committed to quality service. Our mission is to anticipate and provide the physical environment, which enables the faculty and staff of GTRI to achieve its objectives in research. We provide cost-effective, prompt services. Our services include, but are not limited to, facilities and equipment; space data management and planning; maintenance of a quality work environment; state property management; and delivery services, mail distribution, and shipping/receiving.

Our Values:

Our People are our source of strength. They provide our reputation and vitality. Trust and respect are essential to these values. Involvement and teamwork are our core human values. Integrity is never compromised. The conduct of our department must be pursued in a manner that is socially and professionally responsible and commands respect for its integrity and for its positive contributions.

Our commitment to customer service is the focus of everything we do. Work will be done with our customers in mind. We strive to make contact with Support Services a pleasant experience.

Continuous improvement, we continuously strive to improve the quality of our services. Customer satisfaction, value, and safety within the boundaries of our resources, are our primary goals.

Our Vision:

To meet the increasing demands of a rapidly changing environment and provide services in a proactive, responsive,

cost effective and service-oriented manner that parallels and supports the GTRI strategic plan. **Our employees** are the backbone of our mission. We strive to ensure that our employees receive appropriate training so they are prepared for the demands of the future. Their ability to meet these demands enhances their reputations as well as the department's. We will encourage career and personal growth. Involvement, training, teamwork, communications, trust and respect are essential to our success. **We will continually seek** creative and innovative solutions to satisfy our customers' needs.

Operations – DeeAnn Reese 404-894-4563
Helpdesk, Telecommunications, Furniture, Delivery Services, Shipping and Receiving, Mail and Messenger Mail Services, Office Moves, Custodial Services

Data Management – Paul Hawley
404-894-6194
Space Management, Key Requests, State Property Management, Risk Insurance, Surplus, GTRI Fleet Management, Copy Center, TMA Work Order Data Base

Maintenance & Construction –
Rusty Embry 404-385-6606
Construction and Renovations, Maintenance Operations, Rental Property

For more information about us, please visit our website at http://www.gtri.gatech.edu/ssd/.

Well, there you have it. We **are** Support Services and we are here to **serve you**. Stay tuned, we will have an article covering the function of each area within SSD in future publications of the *GTRInsider*. The next article will cover our Operations area. ○

Understanding IR&D

Did you know that GTRI spends approximately four million dollars on Independent Research and Development (IR&D) each year? That's above and beyond the millions of dollars of our annual, sponsored research.

IR&D includes internally-funded research projects that are completely independent of any sponsored projects (the effort is not in support of or required by a sponsored research project). To be considered IR&D, a project must meet certain conditions. This is important since these projects are subject to audit by the federal government.

According to Federal regulations, IR&D may include projects that fall into four specific areas:

1. basic research
2. applied research
3. development, and
4. systems and other concept formulation studies

To be IR&D or not to be IR&D… points to remember:

- Any effort necessary to complete the requirements of a sponsored agreement cannot be charged to an IR&D (I) project.
- IR&D efforts may not be used to fulfill cost-sharing requirements since these efforts are part of the efforts required by a sponsored agreement.
- Federal courts have ruled that an effort required under a sponsored agreement can no longer be considered IR&D.
- Any transfers of costs between sponsored accounts (A and T projects), cost-sharing and overrun accounts (E projects), and IR&D accounts (I projects) are subject to scrutiny and likely to be closely inspected by the Defense Contract Audit Agency (DCAA).

For further information please see GTRI Policy 2.20B on the Policy and Procedures page of WebWISE under the Fiscal Systems heading or contact the GTRI Rate Management Department at (404) 385-2818. ○

The Big Move Update – ITTL's New Home

You may have heard that the Electronics Research Building (ERB), which currently houses GTRI's Information Technology and Telecommunication Lab (ITTL), will be demolished to make way for a brand new Nanotechnology building.

For the past nine months an ITTL Move Committee, chaired by Eric Barnhart, has been involved in detailed planning to relocate ERB occupants to the building formerly known as GCATT. It is located at 250 14th street next to Georgia Public Broadcasting.

The committee meets bi-weekly with members from across GTRI including the IT division, Research Security, GT Facilities, an Architect with subcontractors, Space Committee members, GTRI Communications, and even an interior design expert.

Here's an update on the committee's work:

- The building will no longer have the moniker of GCATT, it will be called '250 14th Street', and a standard campus sign will be placed in front indicating the occupant is GTRI.
- Mail addressed to you will be delivered to you after the move. The new building's zip code is 30318; however efforts are being made to maintain service under the current 30332-08XX system.
- For maximum flexibility, parking permit transitions to the new building deck will occur shortly after the move. Currently anybody with a GT hangtag can enter the parking deck.
- The building is also home to the new GTRI Conference Center. You can learn more about it by checking out the article on page 5.

Awards & Outstanding Achievement

Charlene Bayer (HESL) has been selected to serve on a committee of the National Research Council to conduct a "Review and Assessment of the Health and Productivity Benefits of Green Schools." This is in recognition of her excellent research in indoor air quality and its impact on human health and productivity.

Dale Blair (SEAL) has been elected to serve as President of the International Society of Information Fusion (ISIF) for the 2005-2006 term. ISIF is an independent, non-profit organization dedicated to advancing the knowledge, theory and applications of information fusion

Sheila Bosch and **Jennifer DuBose** (HESL) passed the Leadership in Energy & Environmental Design (LEED) Accreditation Exam. They are now LEED Accredited Professionals and can provide support for rating green buildings using the LEED Rating System.

Kirk Englehardt (COMM) received the Public Relations Society of America Silver Anvil Award of Excellence. The Silver Anvil award recognizes excellence amongst public relations professionals for strategic public relations planning and implementation. He is also the recipient of the National School Public Relations Association Gold Medallion. These awards recognize his work at the Georgia Department of Education.

Kevin Massey, Jim McMichael, Frank Hay, and Tyler Warnock (ATAS) received the Best Paper 2004 Army Sciences Conference from the Chief Scientist of the Army. The title of their paper was Design and Wind Tunnel Testing of Guidance Pins for Supersonic Projectiles.

George B. Harrison, GTRI's director of strategic initiatives, was appointed to the Georgia Aviation Hall of Fame board of directors by Georgia Governor Sonny Perdue.

- Demolition of the 4th floor of the new building started in mid-June and is now done, so re-construction of the 4th floor to support classified programs should start in the next 4-6 weeks.
- Minor modifications to other floors will start in the fall, and moves into the building are expected in the late-November to early-February time frame.
- The State Department of Transportation will soon be launching a major project to tear down and re-build the 14th St. Bridge. The bridge is expected to be out of service for about 18 months. See www.dot.state.ga.us for more info about the 14th Street bridge Project, it may affect your drive to work (or at least your drive to the building formerly-known-as GCATT).

Need a Report – It's Right at Your Fingertips!

The Enterprise Support Department will soon be rolling out the beta version of a "one stop shop" for all of your reporting needs. It will be called Report Central (RC).

The first release of RC will take place August 2005, and includes Financial Reports at the project level. New reports will be added to RC throughout the year based on user input. There are 26 customer requested reports already in the pipeline for rollout this year.

How is RC different from current tools in WebWISE? First, it's easy to use. Secondly, you'll have more information right at your fingertips, and you'll have it faster than ever before.

RC will help you:

- Easily navigate between reports without having to retype parameters or traverse multiple web pages
- Easily modify search criteria like date and project number from the same web page
- Drill down on key subtotal amounts to see more detailed information
- Export to Excel without having to remove the trailing spaces in table cells
- Export to PDF and print your report without the web page navigation
- Chart your data (available on select reports) ○

We Need Your Input!

Your input is vital to the success of this project. Please forward all comments and suggestions to webwise-feedback@gtri.gatech.edu

Or submit them at https://webwise.gtri.gatech.edu/feedback/gtri.feedback.input.EnterNewFeedback

Smart Phones Are Coming…to GTRI!

GTRI's recent information technology network enhancements are beginning to allow some new and exciting technologies – time and money saving technologies – to be rolled-out. Among these, the largest and most complex project will be the replacement of our phone system with Voice over IP (VoIP).

With growth comes a little pain…your phone number will change when we roll out the new telephone system. The new campus phone numbers will range from 404-407-6000 through 404-407-8999. We will make every effort to keep your current last four digits, but, unfortunately, we cannot make any guarantees.

Throughout GTRI, it may be desirable to keep certain key phone numbers that are part of our core business. Each lab will have the leeway to leave key numbers in place and/or forward them to new numbers.

A prototype was created and tested for several months. All legal issues have been resolved, and a multi-building/lab pilot program is scheduled to begin in August 2005. The pilot will be reviewed in October, and, if all goes as planned, the system will be rolled out to the rest of on-campus GTRI. Once that is up and running, the Cobb County Research Facility will be integrated into the system.

While changing your phone number is an inconvenience, there are advantages. GTRI will no longer be dependent on Bellsouth to move phones each time someone relocates to another office. You'll be able literally to pick up your phone and take it with you. And, GTRI could save up to $250,000 annually, to boot!

The high-tech features of the new phones are leading edge and will enhance efficiency and communication across GTRI.

- "Meet me" conferences will allow GTRI to host quick dial-in teleconferences that multiple people can join by simply calling a central number. Holding a video-teleconference with a field location that is part of our VoIP network is as easy as picking up the phone and dialing in.
- Directory services allow employee lookup right from your phone
- Other standard features include caller ID, park and hold, one button call forwarding, local teleconferencing, and more
- Web services allow users to control certain features via a web page.
- Unified messaging gives access to traditional voice mail while also having a copy of the voicemail e-mailed to an Outlook inbox as an audio file.
- If funding allows, the system can be expanded to add fax service, with each user having a unique number that would send faxes electronically to that user's e-mail inbox.

For more information on this multi-unit project, please contact Jeff Jenkins at jeff.jenkins@gtri.gatech.edu ○

DID YOU KNOW…

…that Bob Zimmer who helps manage the CIMTIC program in GTRI's Electronic Systems Laboratory has had the same phone number since 1965? The digits have traveled with him from ERB to the old CSS building, back to ERB, and to several different floors in CRB.

If you have GTRI trivia you'd like to share, send to GTRInsider@gtri.gatech.edu

Building an IT Backbone – GTRI's New Computer Network

Ten months ago when work began on the GTRI internal network, there were a number of ambitious and worthy goals including:

- setting up a centralized e-mail service enabling groups to share calendars and collaborate
- implementing wireless networks
- enhancing firewalls to protect our work
- helping to establish electronic time sheets

Each goal was highly visible and had a common thread – they are all part of our internal network.

For years, each lab maintained its own network with Georgia Tech's Office of Information Technology (OIT) administering the central portions. These separate networks gave us disjointed systems running on outdated equipment.

The IT Coordination Committee (ITCC) was formed and, along with the lead Computer Support Representative from each lab, looked at the issues. Perhaps for the first time, all groups in GTRI were involved in IT efforts. Significant changes in infrastructure are difficult and unsettling. In this case each unit came to the table with their "GTRI hat on", and ultimately their efforts met with great success!

To better protect our systems, the ITCC added virus checking and filters to our e-mail and designed today's firewall system. This was the first time that all units had come together to define procedures and equipment needed to save GTRI money and make the labs more efficient.

This collaboration across GTRI was a huge factor in helping the Information Systems Department (ISD) completely rebuild the network backbone during fiscal 2005. Each lab contributed time, effort and money toward the central goal of a homogeneous and unified network that could connect every group in GTRI.

Five of the seven Atlanta area labs are connected to the new Exchange server. The first phase of the network infrastructure has been completed and includes the wireless network. Building the foundation was easily the most important effort toward our growth to date.
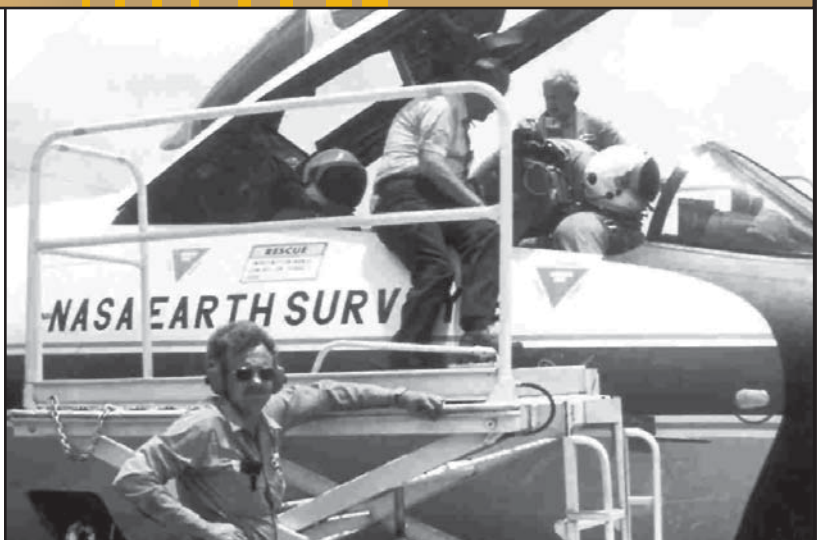
The next phase will include expansion of the foundation to allow for further enhanced network security as well as Voice over IP. Our new voice system has completed testing and will phase into production starting August 2005. Look for the article on Voice over IP in this issue of *GTRInsider* on page 9.

All these productive enhancements are byproducts of managing and growing a unified network for the first time in GTRI's history. All of the labs/units have been working together to build the infrastructure. Amazing things can happen when all the labs and service groups come together and bring their efforts to bear on a common goal.

For more information on this work, please contact Information Systems Department Director, Jeff Jenkins, at jeff.jenkins@gtri.gatech.edu. ○

> Mystery History

Help us to identify a photo from the GTRI archives. Do you know the person or project depicted? ...Or, if you want to have some fun, make up a caption! Send to GTRInsider@gtri.gatech.edu

work at the intersection between health and what we usually think of as the built environment: green buildings, smart and sustainable buildings and healthy environments."

Cross expects the new labs will build industry-university collaborations similar to those developed by GTRI's Food Processing Technology Division, which recently opened a new research building constructed with financial support from 18 companies that have an interest in collaborative research.

The future looks equally bright for EOSL. In October, GTRI won the contract to operate SENSIAC, a U.S. Department of Defense Information Analysis Center that focuses on sensing technology. GTRI has long been a national leader in sensing technologies, including radio-frequency identification (RFID) applications, which have both civilian and defense uses.

Cross said inclusion of the word "systems" in the new labs' names was a conscious effort to highlight another of GTRI's strengths.

"One of the core capabilities of GTRI has always been systems engineering," he noted. "We can look at a stakeholder's problem and think about the issue in terms of systems. That means finding the best technical approaches to solving the problem and integrating two or more technologies to do it."

Cross said GTRI wants to diversify its stakeholders while maintaining long-term trusted relationships with Department of Defense agencies. Future research may involve more private industry, along with such non-defense agencies as the National Institutes of Health, Department of Energy and the National Science Foundation.

"We are committed to our current stakeholders, who count on us to help them realize their technical vision," he explained. "We want to expand the technical impact we can have on their behalf. At the same time, we can expand our impact by diversifying the base of stakeholders."

That expansion will likely involve GTRI in more campus-wide activities with Georgia Tech's academic colleges. Cross wants to expand those relationships, contributing GTRI's experience in applied research and systems engineering to help Georgia Tech reach its goal of defining the technological university of the 21st century.

"One of the aspects making Georgia Tech unique is the wide range of work from the best basic research and the best graduate students and professors to the applied research that we do and the commitment to commercialization," he added. "Georgia Tech really has all the pieces of this."

Beyond creation of the new labs, GTRI has also added two new units that were formerly part of Georgia Tech academic colleges. The new groups – the Air Quality Laboratory from the School of Civil and Environmental Engineering and the Environmental Resources Center from the School of Mechanical Engineering – will boost GTRI capabilities in environmental research.

For GTRI's faculty and staff, the new EOSL and HESL should mean new career opportunities and more collaboration with researchers in Georgia Tech's academic colleges.

"One of our goals is to create more opportunities for adjunct and joint appointments with the academic colleges," Cross said. "These collaborations give us a stronger technical base with which to serve our stakeholders. And what we do in GTRI complements what is done in the rest of Georgia Tech."

Now Hear This!...New Code of Conduct Booklet Available

The GTRI Compliance Assurance Office has revised the GTRI Code of Business Conduct Handbook. This publication provides specific details to help ensure that we all know how to conduct business in a legal and ethical manner.

Every employee should have received a copy of this new publication to use as a guide when conducting business on behalf of GTRI. At the back of the handbook is a detachable acknowledgment card. Please complete the card and drop it in campus mail within 30 days of receipt of the publication.

If you have any questions regarding the Compliance Assurance Program, please contact James Beisner at james.beisner@gtri.gatech.edu. You may also use the Georgia Tech Hotline for any anonymous reports at 1-866-294-5565. More information regarding the GTRI Compliance Assurance Program is available at: www.gtri.gatech.edu/cap/

Account Maintenance

WebWISE
Request Account
Forgot Password
Change Password
Kerberos
Change Password

Forget that Elusive WebWISE Password?

You can now reset your WebWISE password without the assistance of a system administrator. If you forget your WebWISE password (also used with eTime timesheets), just go to the WebWISE homepage and select Forgot Password.

From here, you can also:
- Request a WebWISE Account
- Change your WebWISE Password
- Change your Kerberos Password

One of GTRI's goals is to hire the best, equip the best, and reward the best employees.

The following people have recently joined the GTRI team and we're so happy they're here! ●

Georgia Tech | Research Institute

START DATE	NAME	TITLE	DEPARTMENT/LAB
4/28/05	HENRY J. SMITH	MAINTENANCE/CONST WORKER I	Support Services
5/2/05	ALAN D. RUSSELL	WEB DEVELOPER	BSSVC
5/3/05	LISA M. WELLS	ADMINISTRATIVE CLERK	Support Services
5/9/05	MICHAEL T. MORLOCK	RESEARCH ENGINEER I	ELSYS
5/16/05	IAN M. TURNER	RESEARCH SCIENTIST I	ELSYS
6/1/05	NORMAN O. SPEAKMAN	PRINCIPAL RESEARCH ENGINEER	SEAL
6/1/05	MICHAEL K. NELSON-PALMER	SENIOR RESEARCH ENGINEER	ITTL
6/1/05	DANIEL C. DUKE	RESEARCH SCIENTIST I	STL
6/2/05	ROBERT W. GOLDEN	RESEARCH ENGINEER II	ELSYS
6/6/05	ROGER E. JONES	SECURITY SPECIALIST	Research Security
6/13/05	JAMES S. STALVEY	COMPUTER SERVICES SPEC III	ELSYS
6/14/05	SIMON H. HOLLEY II	RESEARCH SCIENTIST I	ELSYS
6/21/05	ERIN A. REDDICK	RESEARCH SCIENTIST I	ELSYS
6/22/05	DIANA E. ANTONI	SENIOR RESEARCH ENGINEER	ELSYS
7/1/05	SCOTT D. BERGER	PRINCIPAL RESEARCH ENGINEER	SEAL
7/1/05	LIZ A. THOMPSON	TECHNICAL WRITER I	HESL
7/1/05	SHELLY R. WARD	PROGRAM COORDINATOR I	COMM Office
7/1/05	BOBBY JONES	NETWORK SUPPORT SPECIALIST I	COMM Office
7/1/05	GRETA T. GUENTCHEVA	RESEARCH SCIENTIST I	HESL
7/1/05	MICHAEL O. RODGERS	PRINCIPAL RESEARCH SCIENTIST	HESL
7/1/05	ALEXANDER V. SAMOYLOV	RESEARCH SCIENTIST I	HESL
7/1/05	JAMES R. PEARSON	RESEARCH SCIENTIST II	HESL
7/1/05	SEAN M. DOUBLESTEIN	MECHANICAL TECHNICIAN II	Machine Services
7/1/05	MIKHAIL S. FOGELSON	RESEARCH SCIENTIST II	HESL
7/1/05	JEFFREY S. LAHR	RESEARCH SCIENTIST II	HESL
7/1/05	CARL P. BEASLEY	SENIOR FACILITIES MANAGER	Support Services
7/1/05	ANGELA B. CLARK	SECRETARY SENIOR	HESL
7/1/05	ROBERT L. ROSSON	SENIOR RESEARCH ENGINEER	HESL
7/1/05	DAVID G. CROWE	ELECTRONICS TECHNICIAN II	HESL
7/6/05	CARL M. SPRINGER	PROFESSIONAL	BSSVC

We Want to Hear from You!

The GTRI Communications Office welcomes and looks forward to your feedback on our new employee newsletter – the *GTRInsider*. Based on your input, we'll make sure that we focus on topics and stories that matter to you. If you have news, ideas, or suggestions to share concerning stories and features you would like to see in future issues, please let us know by completing and returning this form. You are also encouraged to nominate GTRI employees we can feature in the Up Close and Personal With… section of future issues.

You can fax completed forms to 404-894-9875 or send it via campus mail to Kathryn Knox in CRB 222A/mail code 0801. You can also E-mail your comments to GTRInsider@gtri.gatech.edu.

Please print or type:

Name: _____

Lab/Department: _____

Phone (day): _____

Cell (optional): _____

E-mail: _____

Comments/Suggestions/Ideas: _____
_____

My suggestion for a future employee profile in the "Up Close and Personal With" section is:

Employee's Name: _____ Lab/Department: _____