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The WHISTLE

The Georgia Institute of Technology

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Military elite map out strategy for Army of the future

Gwendolyn Glenn
Communications

Georgia Tech's Center for International Strategy, Technology and Policy (CISTP) hosted military strategists from around the world for the Dec. 9-10 "Army After Next Project Conference." Attended by scientists, engineers, political strategists, military trainers, researchers, academics and commanding officers alike, the conference served as a forum to discuss ways to enhance the readiness of the U.S. army as it faces new challenges in the 21st Century. It was the second in the Army After Next conference series that brings together top military experts to discuss the future of U.S. national defense.

This "Army After Next Project conference" represents the next step in CISTP'S ongoing mission to bring policy makers together with scientists, engineers, and other technical experts to ensure that leaders are better prepared for the technological challenges of the next century.

Additional conference sponsors were the U.S. Army Strategic Outreach Initiative, the U.S. Army War College and the U.S. Army Research Office. It was held at the Georgia Center for Advanced Telecommunications Technology (GCATT).

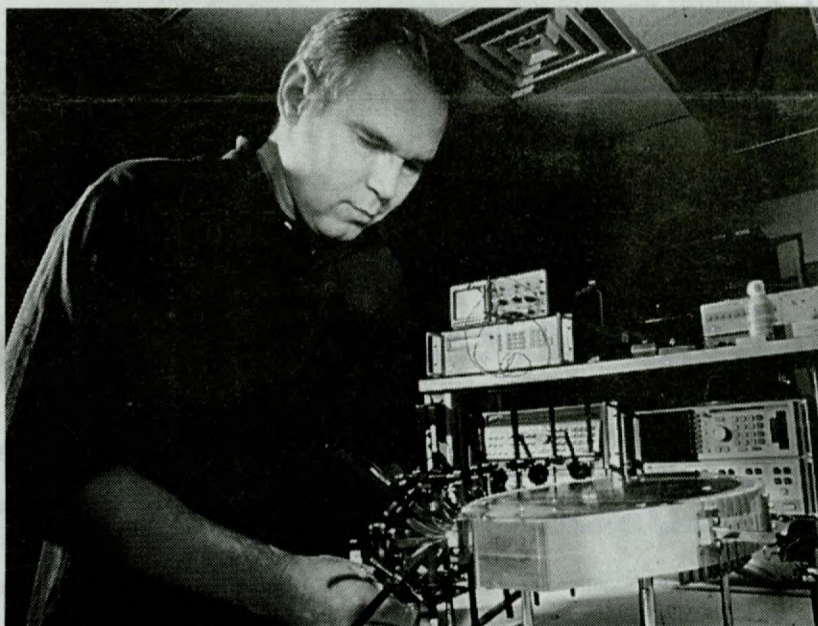


Photo by Stanley Leary, Georgia Tech Communications

High-tech battlefield readiness was one of the topics at the "Army After Next Project Conference." The GTRI-Developed Millimeter Wave Rotman Lens Antenna (pictured above) is a rugged, inexpensive and compact device which can be used by "tomorrow's military" as imaging radars for tanks, and all-weather aircraft landing systems.

"This year's conference focused on the impact of the psychological and physiological dimensions of high technology warfare and the preparedness of U.S. soldiers," said CISTP senior research fellow Robert Rudesill. The psychology of leadership and planning, high-tech battlefield readiness, and the future of coalition warfare are a few of the topics discussed.

Given the coalition of countries supporting the UN's position on arms inspections in Iraq and that country's history of mass producing chemical and biological weapons, the focus of this year's conference is timely.

The majority of the military officials who attended, including keynote speaker Gen. David A. Bramlett, came armed with first-hand experience in the Gulf War and the Middle East, and the current situation with Iraq.

Bramlett, who serves as the commanding general of the U.S. Army Forces Command (FORSCOM), oversees more than 760,000 active Army, U.S. Army Reserve and Army National Guard soldiers. FORSCOM trains, mobilizes, deploys and sustains combat ready troops in crisis situations worldwide. Prior to this appointment, Bramlett was a former Deputy Director of the U.S. Central Command.

Tech elects not to submit Sonnenfeld nomination to Board of Regents

Due to personal and medical reasons, Georgia Tech will not to submit the nomination of Dr. Jeffrey Sonnenfeld as the new dean of the DuPree School of Management to the University System Board of Regents. Dr. Lloyd Byars will continue to serve as the interim dean of the school, until a new search process selects another candidate for the dean position.

"We're all disappointed at the recent turn of events," said President Wayne Clough. "But now we have to focus on the next stages of our process to find a new dean."

That focus will find Dr. Clough and senior management meeting with faculty of the DuPree School and Management alumni to listen carefully to their perceptions and advice as a new search process begins. No timetable for the search has been announced at this early stage.

"In spite of the frustrations about the outcome of the recent search," said Clough, "I remain confident that the DuPree School is positioned to enjoy a period of enhanced prosperity and productivity. It is our intent to see that we do not miss the opportunity that is available to us."

ZIMMERMAN, JULIA
LIBRARY
0900

Workshop participants combat holiday headaches

Amy Fraser
Communications

A handful of Georgia Tech employees "took a magic carpet ride" Dec. 4 with Marriage and Family Counselor Rome Lester (left) and Psychologist Gayle Roberts (right). The guided imagery exercise was part of a "Holiday De-stressing" workshop, designed to combat negative emotions sometimes associated with the holiday season.

Sponsored by the Counseling Center, the workshop was free of charge to faculty, students and staff.

"For many people, the holidays are more stressful than happy," explained Roberts, "which can lead to anxiety and depression."

Rome agreed. "The holiday season is a powerful time of year in terms of how we perceive our experiences," she said. "Much of how we feel is magnified, so ... if life is blissful, it seems more so during the holidays. On the other hand, if we are depressed, that feeling is also exacerbated."

The single most prevalent cause of holiday stress, explained Roberts, are peoples' unrealistic expectations. "One factor that affects both depression and stress levels are people's expectations about what the holidays are supposed to be like," Roberts explained.

"When people are expecting that their holidays should be like the ideal holidays depicted in movies and magazines, then they tend to feel disappointed and self-critical when their real life experiences don't measure up to the ideal. Therefore, having realistic expectations, developing a clear idea about what values are most important to them to express during the holidays, and setting priorities about how to spend their time that reflect these values are some suggestions for ways to make the holidays more meaningful and enjoyable."

Lester and Roberts reminded participants that:

- people should not try to be Santa Claus
- giving and caring thoughts and deeds are more important than material gifts;
- Eating and drinking can be merry, but not if they're done in excess;
- spending now can be costly later—think twice before charging and/or deferred billing;
- reaching out to others is the best cure for loneliness.

The workshop was part of the Fall Workshop series designed with faculty, staff and students in mind. Additional workshops will be offered throughout the Spring Quarter. For more information, contact the Counseling Center at 894-2575.



"For many people, the holidays can be more stressful than happy."

-Dr. Gayle Roberts
Georgia Tech
Counseling Center

Research Communications changes hands

The Research Communications Office, formerly part of the Georgia Tech Research Institute is now part of the Economic Development Institute (EDI). The new unit will be referred to as the Research News and Publications Office (RN&P).

Under the new construct, the office will continue to produce: *Research Horizons Magazine*, the GTRI Annual Report, Georgia Tech Research News and the *GTRI Connector*.

The new communications group includes five full-time and two part-time staff, as well as a graduate research assistant. The full-time staff consists of Lincoln Bates, Vivian Chandler, Bonnie Lann, Rick Robinson and John Toon. Jane Sanders is a part-time writer and editor for *Research Horizons Magazine*.

Joey Goddard, whose principal responsibilities are still with the Office of Contracts Administration, will continue to contribute articles for the *GTRI Connector*. Suzanne Suddath, who joined GTRI last year as a graduate research assistant, will support electronic publishing on the World Wide Web.

"Though these changes have caused delays, most research communications projects will continue in familiar form, explained John Toon, director of RN&P. "The Summer/Fall issue of *Research Horizons* magazine was distributed this week, and publication will continue three times per year. The GTRI Annual Report is scheduled for production in January."

Production and distribution of electronic and standard news releases about Georgia Tech research have not been interrupted. "Over the past two months, we have seen news placements in *The New York Times*, *Newsweek*, *USA Today* and numerous other media," Toon said.

A weekly electronic version of the *GTRI Connector* and a Web-based GTRI Technical Journal are both scheduled to begin in January.

Locations of information on the Web remain unchanged:

- Research Horizons Magazine:
<<http://www.gtri.gatech.edu/reshor/rh-welcome.html>>

- Georgia Tech Research News:
<<http://www.gtri.gatech.edu/resnews/rchnews.html>>

- GTRI Annual Report (1996):
<http://www.gtri.gatech.edu/ar-1996/>

- GTRI Home Page: <<http://www.gtri.gatech.edu/>>

Following are the contacts for key services:

- GTRI Annual Report: John Toon
- GTRI Connector: Lincoln Bates, Joey Goddard
- Research News: John Toon
- Research Horizons Magazine: Jane Sanders
- World Wide Web: Rick Robinson, Suzanne Suddath

Research Communications works in conjunction with the Georgia Tech Communications Division to increase the name recognition and enhancing the prestige of the Institute. The Research News & Publications Office has historically focused on strengthening the links between researchers and those who fund research in government and private industry. The central Communications Division has a broader public relations focus, telling the stories of the Institute to key audiences through print, graphic design, video, photography and the World Wide Web.

In addition to research-related services, the Research News and Publications Office will provide expanded communications services to EDI and the Advanced Technology Development Center (ATDC).

The department's main office is located in Suite N-112 of the ATDC Building. Satellite offices are on the second floor of the O'Keefe Building and in the ATDC Building.

The Whistle

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The Whistle can be accessed electronically through the Georgia Tech Web page.

All Whistle submissions should be e-mailed to amy.fraser@vpea.gatech.edu, or faxed to Amy at 894-7214, 11 days prior to desired publication. For more information, call 894-TECH.

All phone numbers listed in *The Whistle* are in the (404) area code unless otherwise noted.

Cost/\$350 Copies/ 4,500

Georgia Tech Communications
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Georgia Tech is a unit of the University System of Georgia.

Spotlight

Meet Pat Ledon

Full Name: Patricia Topley Ledon

Age: 38

Occupation: financial manager, School of Aerospace Engineering

Recent projects: procurement redesign/implementation team member.

Years at Tech: 11

Education: bachelor's in journalism/public relations from Georgia State University

Marital Status: married for 13 years, George E. Ledon

Children: Tyler (8), Matthew (21 months)

My favorite book is: anything by Mary Higgins Clark or John Grisham

One CD in my stereo is: Bad Company

If I were not working I would be: giving my all to my family, and donating any remaining energy to volunteer work in secondary education.

What brought you to Georgia Tech? my desire to work in sports communication. I was completing my bachelor's degree at GSU, and wanted to write for a sports organization (ultimately the Hawks or the Braves). I miss writing, but have no regrets about my swift addiction to the "helping" aspects of my current career track.

One thing I would like to improve about Georgia Tech is: Tech is an excellent organization, but we should focus more on communication and teamwork. Individual units tend to work more in competition than in cooperation.



One job I had that is not on my resume: intramural volleyball referee for 3 years at GSU. I'm a sports fanatic!

When I was younger I wanted to be: a teacher. The logistics of working full-time and going to school at night made it virtually impossible to complete an education degree. I haven't given up - and hope one day to teach middle school. I have always believed that middle school is where you find the most impressionable students. I would love to be part of the process that provides direction and support for this vulnerable age group.

If I could do it all over again, I would: have more children. Kids are life's greatest treasures.

My daily routine would be incomplete without: hugs and kisses from my family, and a belly laugh from one of the kids. I hope my kids never outgrow the giggles.

Contract Administration revamps database

Tracking proposals and projects is easier than ever with the help of a new database system recently adopted by the Office of Contract Administration (OCA). The Contract Administration System, as the database is called, replaces the Model 204 (M204)—a system which has been in place since 1987.

"Our motivation for replacing M204 was driven by technology," explained Duane Hutchison, associate director of OCA. "The new Oracle-based system is a relational database, which gives us an expanded capability for manipulating data," he said.

"The new system enhances inter-departmental communication," said Georgia Simons, a project director in the Office of Information Technology (OIT), because it is compatible with most of the administrative units."

In addition, said Simons, who headed the design team for the new system, the Contract Administration System is able to withstand the "Doomsday 2000" effect.

Another advantage added Carole Sorenson, a fellow design team member, is that unlike the former system, CAS is able to track a project from proposal to closeout."

Phase one of the new system, which took approximately three years to create, was put into production last February. However as a safety measure, data was entered into both the M204 and the Contract Administration system through June. M204 will remain available as a reference until the end of the year.

According to Simons, phase two will involve upgrading the new system to a graphical user interface (GUI) which will allow point and click navigation.

Phase three will make enhancements to the system where necessary, including a Web-based version of the database.

"It was our intention to replicate the M204 database, adding minor enhancements where they made sense" said Hutchison. "Other than a slightly different look to some printouts, most people won't notice a difference."

Hutchison does not foresee any problems in service as a result of the new system. "In most cases, we will be able to respond to requests as quickly as we did before," he said.

One change in the new system, Hutchison explained, is the way that deliverables are numbered on deliverable schedules. Instead of being numbered sequentially, the Contract Administration system gives each deliverable a line number that never changes, even if the schedule is updated.

Anyone on campus needing access to proposal or project data can access the new system in a view only role. Users are required to have both an operating system and database account and need special keyboard mapping to access the system. For more information or to request view only access call OCA at 894-4819.

Campus EVENTS

Brown Bags/Lectures

Dec. 16

The Georgia Tech Women's forum hosts its monthly luncheon on from 12:00 -1:00 p.m. in room 102 of the Pettit Bldg. (MIRC). The featured speaker is LeRoy Powell, co-host of Georgia Public Television's Georgia Outdoors program. Faculty and staff are invited. Participants may choose the brown bag option (cost: \$1), or purchase a prepared lunch (cost: members, \$4; non-member, \$5) RSVP by 12:00 p.m. Dec. 15 to Betsy Kidwell at betsy.kidwell@oars.gatech.edu, or call Jo Funk at 894-5562.

Jan. 13

The Woodruff Seminar Series presents "The Mechanics of Thin Film Delamination," by Professor John W. Hutchinson of Harvard University, Cambridge, Massachusetts, from 3:30-4:30 p.m. in the MRDC Building, room 4211. Refreshments will be served. For more information, contact Professor Iwona Jasiuk at 894-6597 or iwona.jasiuk@me.gatech.edu.

Miscellaneous

Dec. 16

The Georgia Tech Bookstore hosts their first **Holiday program** in the Bookstore Mall at 12:30 p.m. The program will include popular carols & songs performed by members of the GT Bookstore Singers! Form more information, call the Bookstore at 894-3818.

Dec. 19

Georgia Public Television will carry the broadcast premiere of Tech Composer-in-Residence James Oliverio's "StarChild" at 9:30 p.m. For information, call 894-2453.

Dec. 22

The faculty/staff **1997 Winter Break** runs through Dec. 26.

Dec. 31

The **fiscal pay date** is, Dec. 31 -the last working day of the month. For additional pay period information, contact Bonnie Bivens at 894-0944.

Jan. 12

The **Fifth Annual Computer Science/Computer Engineering Career Fair** is scheduled through Jan. 15. The schedule for each day is as follows: 8:00-9:30 a.m., set up; 9:30 a.m.-12:00 p.m., career fair; 12:00 -1:30 p.m., lunch reception; and 1:30-4:00 p.m. For career fair information, contact Pam Halverson at 894-4809, or Cathy Dunnahoo at 894-9638.

Performing Arts

Jan. 16

Cuban-Venezuelan guitarist **Ricardo Izaola** will dazzle audience members at the Robert Ferst Center for the Arts. For ticket information, contact the box office at 894-9600.

Editor's Note: Calendar items should be e-mailed to amy.fraser@vpea.gatech.edu or faxed to Amy at 894-7214 at least 10 days prior to desired publication. For more information, contact 894-8324.

Classifieds

APPLIANCES

Goldstar microwave oven approximately 1.0 cu. ft. capacity perfect for office \$35 OBO. Contact Bob Hendry at 894-3443 or bob.hendry@gtri.gatech.edu.

Car stereo equipment—Blaupunkt Memphis head unit, digital tuner, cass., CD input, \$75. 150 watt amp, board-mounted, plus bass blockers, \$75. 10" Passive Bazooka subwoofer, tube enclosure, \$75. Two Jensen 3.5" tweeters, \$35. Contact annie.pearce@gtri.gatech.edu or 894-8089.

Wanted: Reasonably priced microwave. Call 770-917-0046 after 6:00 p.m..

Goldstar microwave oven approximately 1.0 cu. ft. capacity perfect for office \$35 obo. Contact Bob Hendry at 894-3443, or bob.hendry@gtri.gatech.edu

AUTOMOBILES

1972 Lincoln Mark IV, only 30,000 miles, Excellent condition, automatic, white leather interior, asking \$6,000, appraised at \$8,000. Call Warren at 633-7050.

1987 GMC 1/2 ton pickup, short bed, low mileage, one owner, 770-427-1462.

1989 Ford Taurus Wagon, auto, air, power: steering, brakes, windows, locks. Eight passenger seating. Good condition, well maintained. \$3,600. Contact Jeff at 894-3157, or evenings at 770-667-5316.

1993 Ford Ranger XLT, Excellent condition. 5-speed, gold with beige interior, A/C, P/S,

P/B, A/M-F/M cassette, Bedliner. \$7,300 OBO. Call 297-6742 or (770) 705-4341.

1986 Ford F-150, long-wheel base 4-wheel drive, high mileage, mechanically sound, outstanding work truck, \$2,000. E-mail luther.ward@gtri.gatech.edu or call 770-489-2046 after 7:00 p.m.

1983 Buick LeSabre coupe; runs great; low miles; air. 894-6702.

1997 Motorcycle—Honda Shadow 600cc VLX DeLuxe, black and gold, well-maintained, 5300 miles; take over payments of \$163.29/month or finance yourself for \$5,100. Call 770-445-8110.

1984 Buick Century, 4-door automatic, body in good condition. Rebuilt engine, new transmission and alternator. Asking \$1,000. Call after 7:00 p.m. 633-7050.

COMPUTERS

Desktop 486 computer upgraded to P83, 24 Mb Ram, 1.08 Gb hard drive, 4x CDRom, Soundblaster 16 PnP. Includes 14inch monitor and software. Asking \$545 OBO. Call Dwayne at 894-3606.

Wanted: External CD ROM drive for a Macintosh IIsi. Older model OK. Need for daughter's computer. lew.dorrity@tfe.gatech.edu or 894-9076

FURNITURE

Computer desk with built in small bookshelf, paper/pencil drawer, and a keyboard drawer. 4x2 feet surface area, great for a student. Excellent condition. Price:\$50. Contact matthew.eshleman@gtri.gatech.edu.

Dresser (\$60). Beige, four drawers, 36" wide and 48" tall. Great condition; Oak desk (\$550). Excellent condition; natural finish; "L" shaped; one section is 75" by 24" and the other is 42" x 36" (latter section perfect size to support computer, large monitor, and key-

board). Has three drawers plus a pencil drawer. Contact Richard at (W) 894-2682, (H) 377-0056, rc7@prism.gatech.edu.

REAL ESTATE

For sale: condo in Colony Square. Perfect for Tech faculty - 1 mile from Tech, 1 block from Art Center/Marta. Remodeled 2-bdrm./2.5-bath, 2-story townhouse. Beautiful city view, 24-hour reception desk, etc. \$195,000. Call 894-4408 or 880-6952.

1-bdrm./studio for rent. Peachtree Hills. Separate house, nice quiet neighborhood off Lindberg and Peachtree Rd. Close to Marta station. \$600/month available January 1st. Call (770) 952-2708 leave message for Guy.

Decatur: 2-bdrm., 1-bath for rent. Hardwood floors, washer/dryer, dishwasher, deck, central a/c and heat. Available Jan. 1. \$760/month plus utilities. Call 371-1974.

MISCELLANEOUS

For sale: Beautiful fitted white satin wedding gown. Beaded front w/sheer long sleeves accented with pearls. Cascading train. Size 7; can be altered to fit size 10. Never worn. Purchased-\$680; Asking \$450. Contact: chelsea.warren@me.gatech.edu

For sale: Crib mattress, car seat and toddler's car seat; Wanted: Ping pong table Contact Robin Cabbage 894-1953 or E-mail - robin.cabbage@success.gatech.edu

For Sale: 1985 Fender Stratocaster Guitar. Black with white trim. Very good condition. Includes hard-shell case. \$275. E-mail: stephen.blalock@gtri.gatech.edu. Or call (770) 924-6314.

Two 26" Pullman luggage (brand new, never used. Asking \$20 each. (Black w/brown leather trim)

Large dog pen, 12 six ft. high panels w/ gate. Can arrange to any desired size, (currently

15'x 25') Excellent condition \$200. Call Chris at 894-4474 or 770-981-5556.

DP 451 Magnum weight bench with some weights. Bench press (incline/decline), butterfly attachment, leg curl, leg extension. Asking \$65. Contact: dav@netdepot.com or 817-0615.

Chocolate Lab puppies. Six weeks. 6 males/1 female. Wormed and had first shots. Parents on premises. No papers. Males/\$150. Female/\$125. Contact: deborah.king@ee.gatech.edu or 894-2964.

Wanted: Tape cassettes of "100 Greatest Books Ever Written" and/or, "100 Greatest People Who Ever Lived" Contact Bud at 892-3099, X270, or, rweisser@aepi.gatech.edu.

For sale: Four Viper ZX Radial 2-ply (P-225/60ZR15) tires. Contact randy.crawford@police.gatech.edu, or 894-1285.

For Sale: D.P. AIR STRIDER w/built in electronic fitness guide, i.e. pulse, calorie burner, speed, distance, etc. Asking \$50. Call (770)917-0046 after 6:00 p.m.

Voyager Loran C Navigator. Hand-held, marine navigation certified, 9-volt battery (or AA battery pack) position locator with Longitude/Latitude and UTM coordinates. Complete with all manuals and case. \$55 OBO. Contact Lee at 894-1033 or lee.brame@housing.gatech.edu

For sale: Elgin watch with a diamond at the 12 o'clock spot; gold band which has dolphins on it. It was bought new in July for \$150. Asking \$75 OBO. Contact cheri.bernard@success.gatech.edu.