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THE WHISTLE

FACULTY/STAFF NEWSPAPER

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THE GEORGIA INSTITUTE OF TECHNOLOGY

In times of tragedy, universities provide a different level of service

Matt Nagel
Institute Communications
and Public Affairs

The aftermath of Hurricane Katrina has caused hardships for thousands of residents of Louisiana, Mississippi and Alabama. Americans are banning together to help their fellow citizens in many different ways. Whether they are donating money, time, collecting supplies or providing shelter, everyone is trying to do their part.

Universities, which typically serve local and regional communities in a much different fashion, are playing a unique role in the relief effort, providing shelter, resources and comfort to those affected by Katrina's wave of devastation.

And in its own way, the members of the Georgia Tech community have offered their resources and talents to help evacuees through a difficult time. Noting the numerous initiatives under way, President Wayne Clough says he's proud of both the Institute and the Tech community.

"The Georgia Tech community has made a great effort to respond

quickly and diligently to the needs of the evacuees from Katrina," he said. "Our students, faculty and staff demonstrated a deep sense of humanity in their caring approach to helping those who have been impacted by the hurricane. I've never been more proud of Georgia Tech."

Beginning on Aug. 31, the Institute has opened its doors to evacuees from the area. Among the first to arrive were 275 students from Tulane University. While most have departed to their hometown, some remain in the area, living in a local apartment complex while planning the next step.

On the academic front, Georgia Tech has enrolled 65 students from Tulane and the University of New Orleans, while the School of Materials Science and Engineering is assisting several professors from the University of New Orleans in redirecting their grant funds so they may continue their research at Tech.

Justin Harper, a computer science undergraduate, created a Web site (www.katrina-survivor.com) to

Service continued, page 2

Coliseum serves as temporary shelter for Gulf Coast evacuees

Red Cross 'grateful' for Tech's assistance

David Terraso
Institute Communications
and Public Affairs

On Sept. 2, the American Red Cross began using Alexander Memorial Coliseum as a temporary evacuation center for several hundred evacuees from the Gulf Coast. The Coliseum housed evacuees but mainly served as a distribution point for evacuees to obtain food and clothing.

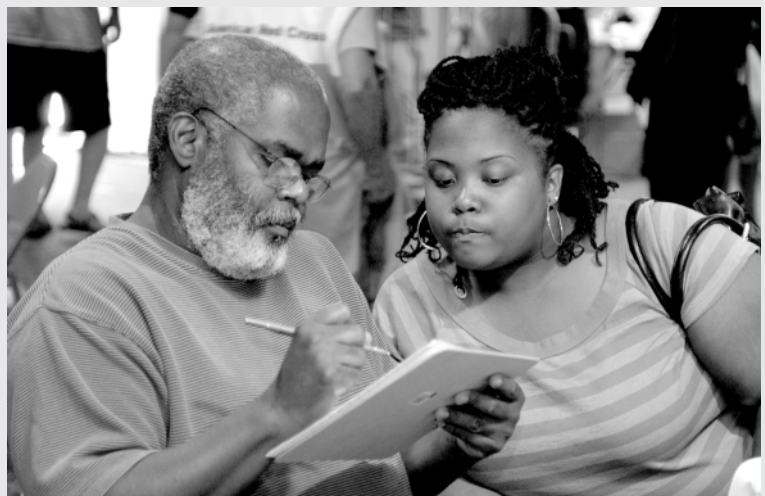
Last week, the Red Cross began to relocate evacuees from Hurricane

Katrina from Alexander Memorial Coliseum to a local hotel. The move was done at the behest of the Red Cross, who sought to provide evacuees with living conditions more comparable to a home than a temporary shelter.

"Our plan was to get evacuees to more permanent and private accommodations by Friday (Sept. 10)," said Metro Atlanta Red Cross CEO Tim English.

"Georgia Tech's response has been incredible. The Georgia Tech faculty, students and staff were right there helping provide services, and Georgia Tech has bent over backwards to help in any way they could. We are most grateful for their support."

Called to serve



Though it largely served as a distribution point for food, clothing and medicine, Alexander Memorial Coliseum also provided the victims of Hurricane Katrina with temporary living arrangements while they planned the next phase of their lives. Some filled out applications with a local job placement service (middle), while others reflected on the complexity of the task ahead.

QUOTE UNQUOTE

"You can't explain how much fun it is to play in front of that many fans in a hostile environment."

—Wide receiver Pat Clark, a sophomore, on Tech's season-opener, a 24-16 victory at Auburn University. (Atlanta Journal-Constitution)

"I'm not saving lives, but it seemed like something that might help."

—Justin Harper, an undergraduate in the College of Computing, on the Web site he started to create a searchable database of Hurricane Katrina survivors. (USA Today)

\$4.16M grant to focus on the tools that make photonic crystals

Megan McRainey
Institute Communications
and Public Affairs

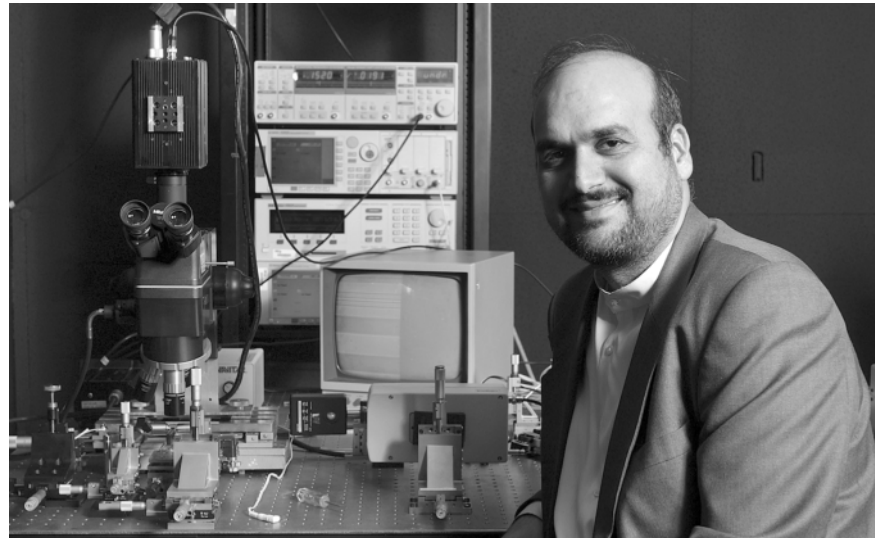
Photonic crystals, with highly periodic structures that can be designed to control light, have the potential to revolutionize everything from computing to communications. But researchers need more effective and affordable methods to create these promising crystals if they are going to find their way into personal computers or tiny sensors.

Georgia Tech has been awarded a grant totaling \$4.16 million for photonic and phononic (the photonic crystal's acoustic equivalent) crystal research by the Office of Naval Research. The grant also includes a two-year option for an additional \$2.75 million. The new research group, led by Ali Adibi, an associate professor in the School of Electrical and Computer Engineering, will develop effective, yet inexpensive tools for the manufacture of three-dimensional (3-D) photonic and phononic crystals.

While significant progress has been made in the large-scale fabrication of two-dimensional photonic crystals, 3-D crystals are much more difficult to manufacture and the necessary tools are expensive. With extra dimensions of control, 3-D crystals produce effects that are impossible with conventional optics.

But because of the high cost of manufacturing tools, many researchers don't have the tools they need to experiment with different 3-D crystal structures and uses. The Georgia Tech group's goal is to develop new 3-D crystal fabrication tools affordable enough to make them accessible to a much wider range of researchers, stepping up crystal research and increasing the possibility for innovation.

The new tools will be based on



Associate Professor Ali Adibi will lead the newly created APEX's efforts to create better tools for making photonic and phononic crystals.

optical patterning of 3-D polymeric structures with chemical and biochemical modification to create high-quality photonic and phononic crystals with tailored functions and resolutions below 100 nanometers.

A portion of the group's research will focus on multiphoton lithography and multibeam interference lithography. These polymer micropatterning methods show great potential for efficient and low-cost creation of 3-D microstructures. Other research focus areas include the development of an expanded range of materials for computer structures, the development of tools that integrate the characteristics of biomaterialization (room-temperature, chemically selective nanoparticle assembly) with those of synthetic polymer microlithography (precise scalable fabrication of controlled 2-D and 3-D structures), and simulation and characterization tools to test the strengths and weaknesses of each tool.

Collaborators on the project, called APEX, include Joseph Perry and Seth Marder, professors in the School of Chemistry and Biochemistry and Kenneth Sandhage, professor in the School of Materials Science and Engineering. Other research collaborators include William Hunt, a professor in the School of Electrical and Computer Engineering; Nils Kröger, an assistant professor of Chemistry; Robert Norwood and Nasser Peyghambarian from the University of Arizona; and Shu Yang from the University of Pennsylvania.

"I consider this the beginning of a great effort to expand our group into one of the most well-known centers for photonic crystal research," Adibi said.

For more information...

Photonics Research Group
www.ece.gatech.edu/research/phonics

Georgia Tech

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System of Georgia.

Service, cont'd from page 1

help evacuees locate family members and friends. As of press time, there were nearly 15,000 names in the registry.

Several fundraising campaigns are underway to help with the relief effort. The Office of Community Service is encouraging students to donate \$5 and others to donate \$10 to the relief efforts. Their goal is to raise \$50,000 across the campus community. Later this year, the Office hopes to sponsor trips to help clean up and rebuild the affected areas.

International Affairs undergraduate student Ruth Malhotra planned a 9/11 memorial campaign, but decided to include a fund raiser for the relief efforts.

"We believe it is important to



Undergraduates Richard Wright and Ben Robbins volunteer to help raise money towards the \$50,000 campus goal to benefit victims of Hurricane Katrina.

reach out to each other as a community and demonstrate compassion," she said. "I know Georgia Tech is taking a significant role in the disaster relief effort and we wanted to be a part of that."

Clough says he knows Georgia Tech will be ready to help throughout the rebuilding process.

"There will be more challenges for the Georgia Tech community to meet in the coming weeks, months and years. I know our institution is up to the task, and we'll be ready to lend a helping hand when we are needed."

For more information...

Office of Community Service
www.service.gatech.edu

Emergency Resource Center
www.gatech.edu/emergency

Atlanta Red Cross
www.atlantaredcross.org



Campus marks 9/11 anniversary with memorial

Along the Skiles Walkway, a coalition of Georgia Tech students and organizations installed a temporary memorial to commemorate the anniversary of the Sept. 11, 2001 terrorist attacks in New York and Washington D.C. Each flag — nearly 3,000 in all — represented the life of an individual lost as a result of that tragedy.

The memorial was supported by Tech's Office of Student Affairs, Diversity Programs, Student Government Association, Residence Hall Association, the Air Force ROTC and several student groups.

IN BRIEF:

Clough to participate on chancellor search committee

The search for a new chancellor for the University System of Georgia is progressing on target, according to Elridge McMillan, chair of the Board of Regents' Chancellor Search Advisory Committee.

President Wayne Clough accepted an invitation as one of 14 members on the committee that will work with Baker-Parker Global Executive Search, an Atlanta-based firm retained by the regents.

The committee held its initial meeting last week, approving a set of qualifications for the new chancellor's position, along with a position paper that will be used to brief potential candidates on the University System's assets, achievements and challenges.

Over the next several months, the Board of Regents will receive monthly progress, leading up to the presentation of final candidates for the Board's review.

Full copies of the documents used in the chancellor's search are available at www.usg.edu/chancellor_search.

PPO feedback requested

The Office of Human Relations is informing the campus that employees enrolled in the University System of Georgia's PPO Healthcare Plan for 2005 may be contacted in the next few weeks as part of a customer satisfaction survey.

On behalf of the University System, the Burruss Institute will be calling randomly selected faculty, staff and retirees between the hours of 10 a.m. and 9 p.m., Monday through Friday. The telephone survey should only take a few minutes to complete, and will focus on the provider network, provider care, understanding of plan design and overall member satisfaction with the plan.

Human Resources is requesting that those who receive a call from the Burruss Institute take a few minutes to respond, as the feedback will provide valuable information to the plan administrator.

International study rates ATDC among top incubators

A study of 19 university-affiliated incubators in the United States and Western Europe has ranked the Advanced Technology Development Center (ATDC) among the top programs for the value it adds to the business community and the breadth of its assistance to member companies.

The study, by Denmark's National Agency for Enterprise and Construction, was conducted to benchmark incubators in that nation on such measures as the ability to hatch viable businesses and attract outside venture capital. The study also compared the support services provided by incubators in areas ranging from networking to collaboration with institutions of higher education.

In evaluating the performance of incubators at adding value, the study examined two factors: the number of viable companies exiting the incubator in proportion to the total number of companies, and the amount of outside capital attracted by incubator companies — also in proportion to the number of companies.

In this composite measure, termed "total incubator performance," the ATDC ranked third among the 19, close behind the Rensselaer Polytechnic Institute's incubator and MBIdeas, which is part of the Massachusetts Biomedical Initiative located in Worcester. The study found that these top three incubators "show remarkable results when compared to the rest of the field."

Fall class schedule

- Family Genealogy: Discovering Your Family History
- Business Etiquette: Protocol for Professionals
- Interior Design Basics for the Novice
- Home Computing Basics: Networking, Security and Self Support
- Becoming Media Wise: Interview Skills to Get Your Message Across on Television, Radio and in Print
- De-Stress for Success
- It's for Sale: Decorating Your Home for Sell
- Managing Your Business as an Asset
- Growing Younger and Wiser
- Video Games as Art
- Defensive Driving
- Capoeira: Brazilian Dance
- Split-Second Safety and Survival Skills
- Popular Astronomy
- Freehand Drawing — Just for the Fun of It!
- Good Urbanism: 101
- Digital Photography Made Simple
- Real Estate: The Buying Process and Investment Strategies
- Investing for Financial Independence
- Starting a Business in Georgia
- Interior Re-design
- Film and Technology
- Beginning Conversational Spanish
- Traveling Interior Decorating Show
- Grant Writing Basics
- Terrorism 101: Who, How, and Why?

Tech2Night announces enrichment classes

Want to learn more about real estate? Start your own business? Speak Spanish? Then perhaps one of Georgia Tech's evening seminar series is for you.

Next month, Tech2Nite offers a full schedule of personal enrichment classes at Tech's Global Learning and Conference Center in Technology Square.

Fall classes range from hobbies to business topics and are taught by faculty and staff from Georgia Tech as well as industry professionals. The instructors, each an expert in their field, will pose questions and show examples through demonstration, lecture and discussion.

The fall session is scheduled for Oct. 11 – Nov. 17, though some classes have alternative meeting dates and times. Classes meet in the evenings for two hours for 3- and 6-week sessions. Georgia Tech employees receive discounts on all classes.

For detailed class descriptions and schedules, click on the Tech2Nite icon at www.pe.gatech.edu. Registration is available online or by calling 385-3500.

Constitution Day activities

Consistent with the role of a university as a place for discussion and learning, Georgia Tech will celebrate Constitution Day on Sept. 17 by hosting a variety of events that will encourage members of our community to reflect on the role of the United States Constitution. These activities invite the public to participate in dialogues about the meaning and application of constitutional principles in our personal and professional lives, as well as in the life of the nation and the world.

Among the activities:

- The Women's Resource Center will host a discussion on "Are Women Included in the U.S. Constitution?" at 11 a.m. on Sept. 15.

- The Dean of Students Office will facilitate a "Free-Speech-a-Thon" to be held at the Campanile on Sept. 16. Individuals and student groups will be invited to participate. Students from the Pre-Law Society or Mock Trial team will moderate the event.

- On Sept. 19, the Skiles Walkway will be "Constitution Alley," where members of the community will be invited to write opinions and questions about constitutional issues.

For a more complete schedule of events, visit www.gatech.edu.

CAMPUS EVENTS

Art & Culture

Ongoing

The Hewitt Collection of African-American Art will be on display in the galleries of the Ferst Center for the Arts, Tuesday-Saturday from 10 a.m. - 6 p.m. and Sundays from noon - 6 p.m. The galleries are closed on Mondays. Admission is free. For more information, visit **www.ferstcenter.org**.

Sept. 15-16

DramaTech presents the murder mystery dinner theater "Till Death Do Us Part," at 7:30 p.m. in the Student Center Ballroom. For more information, visit **www.dramatech.org**.

Sept. 23-25

Let's Try This! presents the Black Box Improv Festival, at 8 p.m. in the DramaTech Theater. For more information, visit **www.dramatech.org**.

Brown Bags/Conferences/Lectures

Sept. 13

The School of Psychology hosts a colloquium, featuring Macquarie Graduate School of Management Professor Hugo Kehr, on "A Compensatory Model of Work Motivation and Volition: Applications for Self-Management and Leadership," at 11 a.m. in room 250 of the J.S. Coon Building.

Sept. 14

The College of Management's IMPACT Speaker Series welcomes J. Michael Robinson, founder of

Lanier Holdings and chairman of Atlanta Streetcar, at 4:30 p.m. in the LeCraw Auditorium.

Sept. 16

The fifth annual Parker H. Petit Distinguished Lecture will be delivered by Leroy Hood, president of the Institute for Systems Biology, on "Systems Biology: Transforming Biology and Medicine," at 11 a.m. in the IBB atrium. For more information, e-mail mcdevitt@ibb.gatech.edu

Sept. 20

The Office of Organizational Development hosts a free brown bag on "Archives, Records Management and SMARTech: Your Guide to Managing and Preserving Campus Records," at 11:30 a.m. in room 308, Savant Building. For more information, visit **www.orgdev.gatech.edu/training**.

Sept. 29

The Office of Organizational Development hosts a free brown bag on "Survival Spanish," at 11:30 a.m. in room 308, Savant Building. For more information, visit **www.orgdev.gatech.edu/training**.

Faculty/Staff Development

Sept. 16

The Office of Organizational Development offers a one-day training course in "Successful Meeting Management," in room 308, Savant Building. For more information, visit **www.orgdev.gatech.edu/training**.

Miscellaneous

Sept. 13

Called meeting of the General Faculty combined with meeting of the Academic Senate and General Faculty Assembly, at 3 p.m. in the Student Center Theater. Main agenda items include a presentation on the proposed Honors Program and a presentation on the impact of export controls on academic and research programs. For more information, visit **www.facultysenate.gatech.edu** or e-mail said.abdelkhalik@me.gatech.edu.

Sept. 17

The last day to register for Options classes. Faculty and staff receive discounts. To register, go to the Student Center Box Office, call 894-9600 or visit **www.fun.gatech.edu/FallOptions**.

Sept. 20

A Fidelity Investments retirement counselor will be on campus, conducting confidential consultations in the Office of Human Resources. To schedule an appointment, call 800-392-8677 ext. 303 or e-mail jeff.juday@fmr.com.

Sept. 21

The Georgia Tech Faculty Women's Club hosts an 11 a.m. open house. Lunch will be served. For more information, visit **www.gtfwc.gatech.edu** or call 404-627-7427.

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

C L A S S I F I E D S

APPLIANCES

Roper washing machine, excellent condition. \$150 OBO. Call 894-5633 or e-mail ww102@oit.gatech.edu.

AUTOMOBILES

1982 Volkswagen Rabbit, excellent condition, 100K miles, new alternator, convertible top, windshield/gasket, Michelin tires, all records, \$1,500 OBO. E-mail dhoff86@att.net or call 770-846-8911.

1989 Honda Accord DX coupe. White, automatic, PS, PL. Good campus car w/great gas mileage. Call 678-432-6571.

1994 Nissan Maxima GXE, 136K miles, excellent condition, fully loaded, Bose audio. \$4,300 OBO. Call 678-291-0723 or e-mail aadlakha@yahoo.com.

1995 Mazda MPV van, 3 Liter, \$2,200 solid. Call 770-364-9718.

Wanted: Ford Bronco, K5 Blazer, or full-size 4x4 truck. Call 770-846-8911 or e-mail dhoff86@att.net.

FURNITURE

Two oversized (48"x 30") colorful oriental pictures with ivory inlay and black background (king & queen). \$250 per piece. E-mail k_muru@comcast.net or call 404-395-4333.

Girl's bedroom set: 2 twin beds with headboard and footboard, dresser with mirror, chest of drawers, desk

with hutch. Off-white color with stenciling on headboards and desk. \$600 for everything. Call 385-8772.

Ultra-modern royal blue and gold ultrasuede sofa with silver metal legs, never used, \$350. Mahogany plantation chair with footstool, \$300. Call 404-229-1583 or e-mail najahsfashions@yahoo.com.

REAL ESTATE/ROOMMATES

1BR/1BA Midtown condo by Piedmont Park. Great view. All upgrades. 24-hr. concierge, storage & deeded parking space. W/D and fridge stay. E-mail jolie.rosenberg@alumni.gatech.edu.

3BR/2BA home in Douglasville. Great room w/fireplace, deck overlooking huge back yard. Dining room plus eat-in kitchen. 2-car garage, storage room, basement. Lease for \$1,150/month or buy. Call 404-694-0901.

2BR/2.5BA condo in the Cascade area. On the MARTA busline. 10-15 minutes from downtown. Located in safe, stable neighborhood. \$110,000. Owner will pay 6 months of association fees. Call 404-510-2150.

4BR/2BA home for rent in Avondale Estates. Includes fireplace, hardwoods, large, fenced backyard, 2-car garage and basement. \$1,700/month. Call Lisa at 404-299-1153 or e-mail shaw1932@bellsouth.net.

2BR/1BA house for sale in East Atlanta. Fixer-upper w/hardwood floors, fireplace, fenced-in back yard in a quiet area (Stokeswood Avenue), walking distance of the East Atlanta Village. Call 404-755-6602, ext. 205.

2BR/1BA duplex in Grant Park, hardwood floors, ceiling fans, central heat/air, laundry room, off street parking and large back yard. \$775/month. E-mail karen.sharpe@oit.gatech.edu or call 40894-5788.

SPORTS/FITNESS/RECREATION

Lifestyle treadmill, excellent condition. \$150 OBO. Call 894-5633 or e-mail ww102@oit.gatech.edu.

1993 Mastercraft Pro Star 190 silver anniversary edition ski boat. Immaculate, original owner, black/platinum, custom-made Bimini top and full cover, always garaged. \$20,000 OBO. Call 770-423-0608 or e-mail lavon.harper@ipst.gatech.edu.

Star Trac V spinning bike. Never used, won in contest. Exactly as found at homegymcentral.com/star_trac_v_bike.html. Retail for \$900, asking \$750 OBO. E-mail ann.schmierer@ibb.gatech.edu.

1989 Sears Gamefisher fishing boat, 14-foot aluminum v-hull with 15hp Evinrude engine, 2 swivel seats, trailer, \$1,500 complete. E-mail david.zurn@gtri.gatech.edu.

MISCELLANEOUS

Sears Craftsman 10-inch radial arm saw with stand and mobile base. Bought new in 1998, excellent condition. \$275. E-mail chris.hamlin@oit.gatech.edu for pictures.

54-year-old electric blues guitarist looking for a singer to form hobby band. Experience isn't necessary as long as you love the Blues and can sing. Call Ed, 894-3160.

Graco Open-Top Swing in excellent condition. Two-speed, along with a one hand flip-up tray. Multi-position recline. Includes a detachable mobile with three soft toys. \$35. Call 678-232-1095.

Fisher Price Infant-to-Toddler rocker in excellent condition. Converts from infant seat to toddler rocker with three developmental toys. Includes switch for vibration on/off. \$15. Call 678-232-1095.

Wanted: carpool partner(s). To/from Indian Hills in east Cobb. I leave early, stay late. Call Les Saunders 894-4801.

27-inch Sanyo color TV. Good condition. Paid \$200, selling for \$100. Phone 770-862-0660.

E-mail ads to editor@icpa.gatech.edu.