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THE WHISTLE

FACULTY/STAFF NEWSPAPER

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THE GEORGIA INSTITUTE OF TECHNOLOGY

Anderson Smith named vice provost for undergraduate studies

Michael Hagearty
*Institute Communications
 And Public Affairs*

Anderson Smith, a Regents' professor of psychology and associate dean of the College of Sciences, has been named Georgia Tech's new vice provost for Undergraduate Studies and Academic Affairs.

A professor at Tech for 35 years, Smith is expected to begin immediately. He succeeds Bob McMath, who departed earlier this year for a position at the University of Arkansas.

As vice provost, Smith will oversee student academic services and coordinates campus-wide initiatives to

improve the teaching and learning environment for undergraduates.

He has been involved with these issues before, both as a former director of the School of Psychology and as current associate dean of the College of Sciences. Since joining the faculty in 1970, Smith has also participated in numerous Institute-wide committees. Most recently, Smith was involved in the Institute's reaccreditation, serving on each of three committees that performed program reviews, monitored compliance and developed a quality enhancement plan. He also serves as co-chair of



the planning committee for the Undergraduate Learning Center (ULC).

Provost Jean-Lou Chameau said this level of involvement has provided Smith with a keen understanding of the job's responsibilities.

"In addition to Dr. Smith's years of administrative experience and a wealth of knowledge about Georgia Tech, its students and faculty, he brings to this position an enthusiasm for the educational process," Chameau said. "For some time, Andy has been a campus expert in many areas pertinent to the position: promotion and tenure, the

Undergraduate Learning Center, curriculum matters and academic policies. He is uniquely qualified to serve as our next vice provost and I am confident that he will be a strong and effective advocate for our faculty and students."

"Looking at the horizon, this is a very exciting time to be in this position," Smith said. "Our challenge will be to continue to recruit outstanding students and to strengthen our commitment and resources that are necessary to provide the best education possible."

To do that, Smith cited four emerging initiatives — the ULC, the Honors

Smith continued, page 2

IPST dedicates new public exhibition space



Through a generous gift from the Mead Witter Foundation, the American Museum of Papermaking celebrated the opening of The George W. Mead Paper Education Center during a ceremony held last week at the Institute of Paper Science and Technology (IPST). He stands here between Vice Provost Charlie Liotta and wife Susan Feith.

The new Center has additional exhibition space, enhanced research facilities for scholars interested in the history of papermaking, and a long-awaited hands-on papermaking workshop. Designed by Avient Museum Services, the Center doubles the Museum's public space, allowing for more educational and public programming, with greater public access to works and artifacts from the permanent collection and an expanded program for special exhibitions.

Mead received a Master of Science degree from the Institute of Paper Chemistry in 1952 and an honorary doctorate from the Institute of Paper Science and Technology in 2004. He also served as trustee of IPST for many years, including a term as chairman when the Institute moved to the Tech campus.

Facilities implementing campus chemical management system

Michael Hagearty
*Institute Communications
 and Public Affairs*

After several months of testing and partial implementation, Georgia Tech Facilities is in the final stages of a campus-wide rollout of its new chemical tracking and safety system. Once in place, the new system will offer researchers a comprehensive, Web-based platform to purchase, monitor and dispose of its chemical stores.

This is no small job. Marcia Kinstler, the project's implementation director, estimates the campus is home to some 44,000 containers, spread out over 1,000 labs and industrial supply closets.

Employees should expect Georgia Tech is doing everything it can to ensure a safe and healthful work environment, she said. "This system streamlines processes for inventory management and provides uniform tracking of the chemicals and supplies used on campus."

Known as Chematix, the system maintains an inventory for each laboratory and industrial chemical currently in use on campus. Tech signed a contract to purchase the system earlier this year, following the recommendation from a campus committee assigned to study the issue.

Designed specifically for a university environment, Chematix will assist with procurement and purchase processing, laboratory delivery and facility inventory management, surplus distribution and hazardous materials disposal. Additionally, procurement of all laboratory items will be possible through this system, providing easier ordering processes with the ability to check order status from the Web. This past spring, the Board of Regents expressed interest in making Chematix available to the entire university system.

When it comes to regulatory control, Chematix meets the U.S. Environmental Protection Agency's documentation standards for chemical acquisition and disposal and complies with the requirements outlined in the state's right-to-know laws concerning public employee hazardous chemical protection.

Much of the implementation is being handled by chemistry students hired to perform the conversion, barcode-labeling the existing campus chemical inventory and entering the data into the new system.

"We are pleased that we'll be able to offer temporary employment to a few students," said Duane Slack, a

Chematix continued, page 3

QUOTE

"One reason to go back to the moon is to learn to live off the land to enable longer-duration space missions."

—Douglas Stanley, principal research engineer in the School of Aerospace Engineering who led NASA's Exploration Systems Architecture Study, which outlines a plan to return humans to the lunar surface by 2018. (Washington Post)

Students help bring clean water to Honduran community

Megan McRaney
Institute Communications
and Public Affairs

While most college students spent their summer vacation lounging on a sun-drenched beach or hanging out by the pool, a group of Georgia Tech engineering students walked the sweltering streets of a community in Honduras in search of a good path for a water pipeline.

Though it might not have been a relaxing week, the students realized that even the basic engineering skills they had learned in their studies so far could help transform a community in a developing country.

"I learned more in a few days than I could have learned in a year of school," said Laura Premenko, an undergraduate student majoring in both civil engineering and architecture. "We saw the conditions, saw how everything works, and we measured and dug holes. We tangibly figured out what needed to be done."

The students were all members of the Georgia Tech chapter of Engineering Students Without Borders (ESWB), a national student organization that encourages students to lend their engineering know-how to communities in developing countries. The group included Michael Saunders, a professor in the School of Civil and Environmental Engineering, four undergraduate students and one graduate student.

Residents of the area — a community near La Lima called Colonia Los Angeles — had appealed to the national organization of ESWB for help with its very basic and possibly contaminated water system. The area had annexed itself from the main city, electing to handle its own utilities due to the difficult expense of obtaining services from the city. To save money, the community installed and now maintains its own water system, complete with an elevated water tower, submerged pump in an available well and a PVC-pipe distribution system.

The project goal was to bring much cleaner water to 185 homes with about 1,200 residents in the community. When the Georgia Tech group arrived, the community asked them to help with three objectives — checking its pump, fixing the power and improving the distribution system. It was also using a very old and



A water tower in Colonia Los Angeles. Residents use this small and unreliable water tower while nearby La Lima residents draw water from the larger water tower.

inadequate water tower that made improvement difficult, Saunders said.

With the current water system, the community can afford to provide itself with water five hours in the morning and three hours in the afternoon. Without the system, residents have to go down to a nearby river. But the river is dangerously contaminated with untreated wastewater from the community, which is dumped directly into the river from the sewer.

This became one of the group's top priorities.

"The sewage goes right into the creek that runs alongside the town," Premenko said. "When they don't have water, they go to the creek. We would even see kids playing there and eating mangos — it was horrible."

The students gathered as much data as possible, focusing on site assessment, pipe and distribution-system measurements, and extensive water-quality investigations of well water and water in the distribution system. And with help from many of the community's children and adults, the ESWB students also managed to establish a map of the entire area.

Once the total water project cost has been assessed based on the findings, the group can determine how much additional funding they will need to complete various aspects of the project. To implement as many improvements as possible, the students developed a fundraising package to help drum up extra

funding from businesses and organizations.

"That's one of the things I liked most about this project," said Brenda Vargas, an undergraduate student of civil engineering and out-going president of the Georgia Tech chapter of ESWB. "It involves so many aspects of being an engineer. You're going out and helping someone, you're doing engineering, you're doing management and you're finding a way to pay for it."

To complete their summer activities, students on the site assessment team made a technical presentation at the annual conference of the Georgia Association of Water Professionals in July. The team is seeking input and technical assistance and oversight from them and other professionals across the state, region and the United States.

The next step of the project will be a feasibility assessment to determine the best way to solve the community's water problems. The group has tentative plans to return to La Lima later this year or early next year to focus on implementing solutions for the problems they found during the summer trip.

For more information...

Engineering Students Without Borders at Georgia Tech

www.cyberbuzz.gatech.edu/ESWB

Georgia Tech



THE WHISTLE

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Program, the International Plan and the Undergraduate Research Opportunities Program — devoted to improving the quality of undergraduate instruction.

"No prospective student or parent will be anything but impressed by the

academic support we'll be offering," he said.

Like McMath, Smith plans to continue teaching undergraduate courses and mentoring graduate students working in his lab.

"I'm a faculty member first. I realize I'll have more administrative responsibility, but I'm very proud to have earned an Outstanding Teacher

Award; I still enjoy teaching undergraduates and involving them in my research."

Smith holds both master's and doctoral degrees in experimental psychology from the University of Virginia. His primary research interest concerns the changes in memory that occur with age.

Workplace Spanish classes offer language and culture

As the campus becomes more diverse, the ability to communicate in a different language is becoming more important. To that end, many members of the Georgia Tech staff have enjoyed participating in the Office of Organizational Development's Workplace Spanish classes, which provide employees with the foundational skills to communicate effectively with employees and students who have little or no English proficiency.

Charming Moseley, a project coordinator in the Department of Development, found the class beneficial for working with people outside of Tech. "Taking the class has helped me better communicate when I have to make

phone calls to Latin American countries, as well as being able to translate written materials that come into my office."

Workplace Spanish classes are currently offered in two levels. The Level One class is devoted to learning how to master basic Spanish vocabulary, listening to Spanish more prudently and confidently, becoming familiar with Spanish phonetics and acquiring the ability to process language in terms of what is essential for comprehension. Level Two concentrates on increasing vocabulary and adding several new verb tenses to acquire some fluency in speaking and comprehending Spanish.

Jorge Breton, manager for the Goizueta Foundation

Programs at Georgia Tech and course instructor, incorporates cultural aspects of the Spanish language in his classes, using music, videos and the Atlanta Latino newspaper to stimulate learning. Kathy Mims, executive assistant to the vice provost for research, said her experience was "lively and exciting — not at all like a traditional learning experience."

The next session of the Workplace Spanish classes begins Oct. 4 and 6 for Levels One and Two, respectively.

For more information...

Office of Organizational Development

www.training.gatech.edu

IN BRIEF:

Colatrella to direct ADVANCE

Provost Jean-Lou Chameau recently announced that Carol Colatrella, professor in the School of Literature, Communication and Culture, has been named project director for the National Science Foundation ADVANCE Program for Institutional Transformation at Georgia Tech. Since 1998, Colatrella has served as co-director of the Georgia Tech Center for the Study of Women, Science, and Technology (WST), which has been sponsored by the Office of the Provost since 2002.

Colatrella fills the position formerly held by Associate Professor Mary Lynn Reaff (Polymer, Textile & Fiber Engineering), who is spending a year at NSF as a program officer. Colatrella and Reaff will continue to serve as WST co-directors with Professor Mary Frank Fox of Public Policy.

Tech selected among best schools for Hispanic engineers

In its September issue, Hispanic Business magazine ranked Georgia Tech second in its list of "The Top Engineering Schools for Hispanics."

In commenting on Tech, the magazine noted the efforts of the Goizueta Foundation to fund Hispanic recruitment and retention, and pointed to strong student involvement in organizations such as Society of Hispanic Professional Engineers and La Unidad Latina.

The report cited the number of postgraduate degrees earned by Hispanic students (45) — the most of any school in the top 10, and its Hispanic engineering school enrollment (156) was second only to San Diego State University.

The full report is on the Web at www.hispanicbusiness.com.

Nominations sought for Women of Distinction awards

Each year "Women of Distinction" are recognized at the annual Women's Leadership Conference at Georgia Tech. Nominations are currently being accepted for five categories: alumni, faculty, staff, undergraduate and graduate student. Nominations are due to the Women's Resource Center, Suite 131 of Student Services by Friday, October 7.

Nomination forms can be found online at www.womenscenter.gatech.edu/wlc. The conference will be held November 11-12 at the Georgia Tech Student Center. Registration for the conference begins October 10.

CRC extends hours

The Campus Recreation Center has extended hours for fall, opening at 5:30 a.m. Monday - Friday and from 9 a.m. - 3 p.m. during home football games. For a complete list of facility hours, visit www.crc.gatech.edu or call 385-PLAY.

A rivalry renewed

Georgia Tech and the University of Alabama have scheduled a home-and-home football series, the two schools announced last week.

The former Southeastern Conference rivals last played in 1984. Tech will play in Tuscaloosa in 2012, and Alabama will visit Atlanta in 2014. The Crimson Tide leads the series, 28-21-3.

Other non-conference opponents on the Yellow Jackets' future schedules include Notre Dame (2006-2007), Army (2007-2008) and Mississippi (2010-2011).

Awards & Honors

Associate Professor **David Citrin** (Electrical and Computer Engineering) was named a recipient of the Friedrich Wilhelm Bessel Research Award from the Alexander von Humboldt Foundation. Citrin, who specializes in optics and photonics and microsystems, will work on research in cooperation with colleagues in Germany, promoting international scientific cooperation.

Assistant Professor **Frank Dellaert** (College of Computing) received the National Science Foundation's Faculty Early Career Development (CAREER) Award for 2005. The CAREER Program offers the Foundation's most prestigious awards in support of the early career development activities of teacher-scholars.

Professor **Jerry Ginsberg** (Mechanical Engineering) has received the Trent-Crede Medal from the Acoustical Society of America (ASA). The award, to be presented at the ASA meeting in October, is one of the Society's highest citations for technical achievement.

Associate Professor **Ayanna Howard** has been selected to receive a Women in Business Award, bestowed by several members of the California state legislature. Howard, who joined Georgia Tech this summer, will be honored for her contributions to science and technology next month in Pasadena, California.

Professor **John Krige** (History, Technology and Society) received the Dickinson Memorial Medal at the 26th Annual Dickinson Lecture of the Newcomen Society, which studies the history of engineering and technology.

Assistant Professor **Hang Lu** (Chemical and Biomolecular Engineering) has been named to the TR35 — Technology Review's annual selection of the top technology innovators under age 35. Lu, 28, was cited for her work designing microfluidic chips to study cells.

The Industry Applications Society of the Institute of Electrical and Electronics Engineers (IEEE) has named Professor **A.P. Meliopoulos**, as recipient of the 2005 IEEE Richard Harold Kaufmann Award for contributions to power system grounding design and testing procedures. Meliopoulos will receive the award at the Industry Applications Society's annual meeting.

Assistant Professor **Patricio Vela** (Electrical and Computer Engineering) has been selected to receive a Most Promising Engineer Award by the Hispanic Engineer National Achievement Awards Corporation (HENAAC) Board of Directors and TECHNICA Magazine. Vela will receive the award at the annual HENAAC Conference next month.

Chematix, cont'd from page 1

chemical hazards management information specialist who will provide long-term support for the system. "The students will save lab personnel and campus staffs many hours of work while providing students an inside view of how a variety of laboratories work."

Kinstler said Tech is working with the vendor to develop a complete training program and supporting job aids.

For more information...

Chemical Management Information System

www.cmis.gatech.edu

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

Art & Culture

Closing

The Hewitt Collection of African-American Art will be on display through Sept. 30 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. For more information, visit www.ferstcenter.org.

Brown Bags/Conferences/Lectures

Sept. 30

The School of Psychology welcomes Stellan Ohlsson, professor of psychology at the University of Illinois on "The Theory of Learning from Error and the Design of Tutoring Systems: A Story of a Successful R&D Process," at 11 a.m. in room 250, J.S. Coon Building.

Sept. 30

The Internet and Public Policy Project (IP3) sponsors a discussion on "Media and Homeland Insecurity," featuring activist and film director Danny Schechter at 1 p.m. in the Clary Theater. For more information, visit www.ip3.gatech.edu.

Sept. 30

The School of Mechanical Engineering Woodruff Colloquia Series continues with Aline Cotel, professor in the Department of Civil and Environmental Engineering at the University of Michigan, on "Recent Developments in Stratified Turbulence," at 11 a.m. in room 4211, MRDC. For more information, call 894-6838 or e-mail minami.yoda@me.gatech.edu.

Oct. 4

The Materials Council welcomes Kristi Kiick, assistant professor of materials science and engineering at the University of Delaware, on Integrating Biological and Chemical Strategies for the Production of Multifunctional Biopolymeric Materials," at 3 p.m. in room 299, Love Building.

Oct. 5

The Office of Organizational Development has planned a free brown bag seminar on "How to Maximize IT Services with Limited IT Resources," at 11:30 a.m. in room 308, Savant. This session was one of the winning entries from the GT Best Practices Challenge. For more information, visit www.orgdev.gatech.edu/training.

Oct. 6

The Woodruff Colloquia series continues with University of Wisconsin at Madison Professor Sanford A. Klein on "Fuel Cells, the Hydrogen Economy and Your Energy Future," at 3 p.m. in room 4211, MRDC. Call 894-7479 or e-mail srinivas.garimella@me.gatech.edu.

Oct. 11

The Nano@Tech Volunteer Researcher Group welcomes Chemical and Biomolecular Engineering Associate Professor Mark Prausnitz to discuss the most recent advances in microneedles and ultrasonic drug delivery technologies at noon in room 102A of MiRC. To register, e-mail paul.turgeon@mirc.gatech.edu

Faculty/Staff Development

Oct. 20

The Center for the Enhancement of Teaching and Learning's faculty development seminar series continues with "Promoting Classroom Civility," from 11 a.m. - 1 p.m. in the Library's Wilby Room. Lunch will be provided for those who register at www.cetl.gatech.edu or by e-mail to clint.lyle@cetl.gatech.edu.

Miscellaneous

Oct. 5-6

A TIAA-CREF consultant will be on campus conducting individual counseling sessions and answering questions about financial matters. To schedule an appointment, call Michael Odom at 800-842-2003 or visit www.tiaa-cref.org/moc.

Oct. 7

The Office of Diversity Issues and Programs sponsors Safe Space training, where individuals will receive information to provide support and learn about resources for Tech's GLBT population, at noon in room 216, Student Health Services. To register, e-mail stephanie.ray@vpss.gatech.edu.

Oct. 10

The School of Applied Physiology is hosting an open house for its master's program in Prosthetics and Orthotics from 2 - 5 p.m. in the Clary Theater. Facilities tours begin at 2:30 p.m. in the Weber Building, bottom floor. For more information, call 894-7658 or visit www.ap.gatech.edu/mspo.

C L A S S I F I E D S

AUTOMOBILES

1988 Honda Civic, 4-door, 5-speed. Call 770-757-4756.

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

FURNITURE

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 najahfashions@yahoo.com.

Girl's bedroom suite: twin white poster bed, 5-drawer chest, double dresser with vertical mirror. Only 1 year old from Rooms To Go Kids. Bedspread, pillow shams, curtains included. \$1,400. Call 770-757-3911.

REAL ESTATE/ROOMMATES

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.

Housemate wanted to share luxury penthouse condo in Midtown/Ansley. \$775/month. See www.prism.gatech.edu/~hk28/condo. Call 404-717-6406

or e-mail hk28@mail.gatech.edu.

4BR/2BA house on beautiful Lake Avondale, 8 miles from downtown Atlanta. LR, DR, secluded office/hobby room, 2-car garage, eat-in kitchen, mudroom/laundry, large lot. \$450,000. Call Angie, 404-299-5259.

2BR/2.5BA condo in Cross Creek, 10 minutes from downtown. Hardwoods on main, seagrass carpeting on upper level. Adjacent to clubhouse and golf course. \$169,900. Call 770-732-1545 or e-mail paulvolle@earthlink.net.

3BR/2.5BA home in Dallas, Ga. Built 2002, spacious island kitchen w/adjoining dining room. Upstairs laundry. 2-car garage. Fenced back yard. Lease \$1,100/month or buy for \$140,000. Call 404-694-0901.

Female roommate needed to share 3BR/2BA home in Northlake/Tucker. Nice yard, garage and extra storage. No smoking. \$595/month, plus utilities. 30 minutes to Tech. Call 894-0240 or e-mail mary.morder@coa.gatech.edu.

3BR/3.5BA new town home in Midtown. 2-car garage, gated community. Hardwood floor, granite countertop, private backyard. Premium park front lot. 5 minutes to Tech. \$312,400. Call 404-433-7305.

3BR/1.5BA condo in Marietta near I-75 and Delk Rd. Hardwood floors, new HVAC, updated kitchen, bath and

extra storage. 15 minutes to Tech. Reduced to \$99,700. E-mail ss334@mail.gatech.edu or call 678-302-5369.

1914 Craftsman bungalow with 4BR, 2.5BA, hardwood floors, high ceilings, updated eat-in kitchen, deck, 2 blocks from Agnes Scott College & a short walk to Decatur & Oakhurst restaurants. \$409,000. Call 404 327-4871.

1BR/1BA Brookhaven condo in quiet neighborhood. Gas fireplace, spacious closets, remodeled kitchen/bath, W/D, off-street parking, 2nd floor balcony with lake view. \$120,000 or \$900/month starting January. E-mail annie.pearce@gtri.gatech.edu.

3-4BR/3.5BA house for sale. Unincorporated Alpharetta, off of Holcomb Bridge and Barnwell. European design, stucco, cluster home. Master on main, large keeping room w/fireplace. Email lc7@mail.gatech.edu or call 404-423-5264.

3BR/2BA in East Cobb, 2-car garage, private yard. Nice neighborhood. \$1,400/month. Call 894-5633 or e-mail ww102@oit.gatech.edu.

Seeking 3BR home for rent in Snellville/Grayson area. E-mail lynn.rosenfeld@oit.gatech.edu or call 894-9942.

Immaculate 2BR/2BA condo, 1.5 miles from Tech. Furnished/unfurnished. \$1,250/month. E-mail gail.greene@mgt.gatech.edu.

SPORTS/FITNESS/RECREATION

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

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

Landau men's long, white lab coat, size 40 tall with goggles, both for \$30. Call 678-570-6798.

Wanted: used upright or console piano in good condition. Call Roberta at 385-2082.

Free yellow jacket nest removal, to be used for research at Georgia Tech. Call 385-6311 or e-mail michael.goodisman@biology.gatech.edu.