Liu, de Heer to be named Regents’ Professors

Robert Nesmith
Communications & Marketing

Materials Science & Engineering Professor Meilin Liu and Physics Professor Walter A. de Heer, known respectively for their research in advanced fuel cells and nanoscience, are on tap to be named Regents’ Professors by the University System of Georgia (USG).

The USG Office of Academic Affairs has administratively granted the two faculty members the title, which recognizes that a professor is an innovator and pace-setter in his or her field of research throughout the world. Approval by the Board of Regents is pending.

Gold LEED certification awarded for Klaus

Georgia Tech’s ongoing commitment to campus sustainability received validation last month when the Christopher W. Klaus Advanced Computing Building (KACB), home to the College of Computing and the School of Electrical and Computer Engineering, was awarded a Leadership in Energy and Environmental Design (LEED) Gold certification.

Developed by the U.S. Green Building Council (USGBC), LEED provides a comprehensive system of standards for environmentally sound practices across all aspects of development and construction. In addition to raising awareness and promoting the benefits of “green building,” achieving certification grants recognition to the leaders in sustainable practices, from new construction to the renovation of existing buildings.

LEED status is given in four categories—Certified, Silver, Gold and Platinum—which address six major areas: sustainable sites, water efficiency, energy and atmosphere, materials and resources, indoor environmental quality, and innovation and design process. When a building is submitted for certification, points are awarded for compliance in these areas.

Silver certification—which ranges from 33 to 38 points—was the goal in constructing KACB, said project manager Ron LeRoy. Upon its completion in 2006 and the subsequent submission for certification, KACB ultimately was awarded with 42 points, enough for the Gold certification. LeRoy explained that because sometimes design aspects do not always translate to points with USGBC, architects and engineers aimed for more points than necessary for Silver certification.

“We were seeking as many points as we could possibly get,” said LeRoy.

Nelson Baker named vice provost of DLPE

Robert Nesmith
Communications & Marketing

Georgia Tech has named Nelson C. Baker Vice Provost for Distance Learning and Professional Education (DLPE). He served as DLPE associate vice provost for four years, and most recently has acted as interim vice provost following Professor William Wepfer’s appointment as chair of the Woodruff School of Mechanical Engineering.

DLPE offers master’s degree programs across nine disciplines internationally to distance learning students, and a diverse continuing education portfolio of non-credit courses, ranging from business and management classes to engineering and computing.

Plans unveiled to name Undergraduate Learning Commons for President Clough

Dan Treadaway
Communications & Marketing

After 14 years as president of Georgia Tech—in addition to five years as a bachelor’s and master’s student—there’s very little that can actually surprise President G. Wayne Clough.

Clough, however, was genuinely surprised—and a bit overwhelmed—when he learned that not only had the fundraising been nearly completed, but that the new Undergraduate Learning Commons itself would also be named in his honor. The announcement of the naming request was made jointly to the Foundation Board of Trustees and the Campaign Georgia Tech Steering Committee at the Foundation Board’s meeting on June 5.

The naming of the G. Wayne Clough Undergraduate Learning Commons honors the significant commitment to undergraduate education by the president over the years.

Murray-Rust appointed Library dean

Robert Nesmith
Communications & Marketing

Following a national search, Tech has named Catherine Murray-Rust dean of Libraries. She will succeed Richard Meyer, who previously announced in December his intention to retire. She is scheduled to start Aug. 15.

Most recently, Murray-Rust has served as dean of libraries at Colorado State University, where she oversaw five facilities with more than one million volumes and a staff of 50 library faculty members, 70 support personnel and more than 100 student employees. In response to challenges that she foresees facing academic research libraries—‘‘institutions she says are still largely entrenched in their 19th-century roots—a main focus of her tenure at Colorado State was transforming the mission and perception of the library, as well as expanding and utilizing the library’s technological strengths.’’

Tech staffer lobbies for legislation allowing flags for our fathers

The 141,000-square-foot structure conforms to the land, echoing the site’s curvature while preserving 50 percent of the landscape as green space. Storm water runoff is managed and recovered in underground cisterns. Extensive use of recycled materials in the building’s construction and high-efficiency heating and cooling systems round out the sustainable features, along with features that contribute to reduced water usage, such as native plants in the landscaping and waterless urinals.

"This shows that we at Georgia Tech are being proactive," Levy said. "We will strive to be good stewards, as we’re doing the right thing not only for the campus, but for everyone. Not many realize it, but the cisterns assist in campus watering efforts during the drought."

Klaus is the second Tech building to receive LEED certification. In 2003, the College of Management building received a Silver designation—only the second LEED-certified building in the state of Georgia at the time. "Georgia Tech was one of the first universities to embrace the LEED guidelines in helping to inform intelligent design decisions during the planning and design process," said Howard S. Wertheimer, director of Capital Planning & Space Management. In fact, the Institute’s Architecture and Engineering Design Standards for Building Technology (Georgia Tech’s “Yellow Book”) “commitment to a comprehensive ‘green’ building program” means all capital projects will be implemented under LEED requirements for Silver certification.

"Georgia Tech will continue to seek opportunities to expand our leadership in campus sustainability initiatives that will enable us to continue to reduce our carbon footprint," said Wertheimer, himself a LEED-certified architect. "The Klaus Building is one small step in that process."
 pending and anticipated in August. “Both of these candidates exceed the criteria and embody the spirit intended by the designation,” said Provost Gary Schuster. “The Special Professorship Selection Committee did an outstanding job in nominating Walt and Meilin.”

Liu is recognized as an authority in fuel cells and for research in advanced materials for clean and secure energy. Particularly well-known for his work in solid oxide fuel cells (SOFC), Liu also is co-director of the Center for Innovative Fuel Cell and Battery Technologies. He joined the School of Materials Science and Engineering in 1992.

The Melin Liu Group is currently researching development of novel materials for high-energy-density batteries, low-temperature SOFC and high-temperature proton exchange membrane fuel cells (PEMFC); in situ characteristics of gas-solid interactions in fuel cells and batteries; transport phenomena and kinetics in ionic and electronic conductors and the effect of imperfections on electrochemical and electrochemical properties; and fabrication and characterization of ceramic membranes, thin films and coatings.

Through his research team, he has supervised 19 doctoral candidates and 11 master’s students, as well as several undergraduates. In 1996, he received the Best M.S. Thesis Advisor award. De Heer is credited with the discovery of electronic shells in all atom clusters in 1984, and prior to his receiving a doctorate from the University of California, Berkeley. He discovered the field-emitting properties of carbon nanotubes and subsequently observed their room-temperature ballistic conduction and large current-carrying capability, stimulating worldwide carbon nanotube research. He is currently researching graphene-based electronics, derived from his previous research on carbon nanotube displays. (Graphene is a one-atom thick layer of carbon atoms—similar to “unrolled” nanotubes.)

His group—the Epitaxial Graphene Lab—and its current research is featured in MIT Technology Review’s list of the 10 most exciting technologies of 2008; De Heer joined the School of Physics in 1996.

Each academic year, the vice provost for Academic Affairs solicits the six college deans for Regents’ Professorship candidates. Deans typically will submit one or two candidates, who must be full professors, for consideration. A Special Professorship Selection Committee, comprised of six faculty members serving staggered three-year terms, then makes its recommendation for candidates, which in turn are approved by the vice provost for Academic Affairs, the provost and the president.

Only two candidates per academic year are considered by the Board of Regents.

Murray-Rust, cont’d from page 1

IN BRIEF:

Call for speakers

The Nano Business Alliance is seeking speaker presentations for its Nano Renewable Energy Summit, held July 20-22 in Denver. For more information, visit www.nanorenewablesummit.org.

Parking move to be completed

The Department of Parking & Transportation will be operational June 17 in its new location, 828 West Peachtree St., near Technology Square and across from the College of Management.

The Hemphill Avenue location will be closed Monday, June 16. After relocation, all phone numbers and e-mail addresses will remain the same. For more information, visit www.parking.gatech.edu.

Murray-Rust, cont’d from page 1

Including the development of digital applications and user-centered services.

During her May 5 presentation at Georgia Tech, Murray-Rust outlined these challenges. The main hurdle, she says, is changing how faculty and students view the role and responsibilities of the library. “We need to shift the focus from things—the collection, technology—to the people these things are intended to serve,” she says.

Academic research libraries must make the move to partner on “forward-looking projects” in addition to advocating for library services and collections. Moving toward digital planning, research and production is a must, she adds, as is participation in information policy-making. The successful research library will offer, in Murray-Rust’s estimation, “meta-librarians” and information “extension agents,” willing to foresee users’ needs and provide scholarly research for a wider audience. Tech already has made significant strides in this area, Murray-Rust said, adding the challenge will be to continue striving and moving forward “on a day-by-day strategy.”

“I’m delighted to bring Catherine’s vision and experience to the libraries of Georgia Tech,” said Provost Gary Schuster. “Thanks to Dean Meyer’s leadership, the library is well-positioned for the next phase of growth and innovation, and Catherine is the right person to build upon our progress.”

Prior to her Colorado State tenure, Murray-Rust served as associate university librarian for Public Services and Innovative Technology at Oregon State from 1999 to 2003. After serving as a reference librarian, technology trainer and associate university librarian, she ended her 21-year experience at Cornell as director of campus delivery for the university’s project 2000. From 1973 to 1977, she worked for Reuters News Agency and Oxfam/VOCA in London.

Murray-Rust’s diverse educational background includes a charter in Librarianship from the Library Association of Great Britain (1976), a graduate diploma in Library and Information Studies from the University of London (1974) and a bachelor’s degree in political science and history from Mount Holyoke College. She also participated in an internship with the United Nations Economic Commission for Africa in Addis Ababa, Ethiopia (1969).
**June 18**

The Flicks on 5th Summer Film Series presents "Horton Hears a Who!" (2008) on the outdoor screen at Technology Square in Midtown. "The Bourne Ultimatum" (2007) will be shown June 25. Screenings begin at nightfall (roughly 9 p.m.). For more information, visit www.flickson5th.gatech.edu.

**June 22–23**

The Small Business Innovation Research (SBIR) Assistance Program for the State of Georgia, part of the Enterprise Innovation Institute, presents the 10th annual National Institutes of Health SBIR/STTR (Small Business Technology Transfer/Conference) "Transforming Medicine through Innovation," at the Omni Hotel and CNN Center. Registration fee is $150. For more information, e-mail Connie Ruffner at connie.ruffner@innovate.gatech.edu.

**Ongoing**

The Office of Organizational Development offers a Web-based tutorial on the basics of using a state purchasing card (P-card). To register, visit www.trainsweb.gatech.edu.

The Office of Organizational Development offers an Emergency Preparedness Certificate, which consists of several smaller courses, including "Fire Safety," "Facilities Hazard Training" and "Basic First Aid/Adult CPR/AED." For more information on scheduling or for other classes offered, visit www.orgdev.gatech.edu.

The "Defining Customer Service" certificate program provides campus groups and employees with the foundation for offering exemplary service to those both on and off campus. For more information, visit www.training.gatech.edu.

**Miscellaneous**

Selling like-new IKEA furniture. E-mail Sheila.willis@gtri.gatech.edu for info. or pics. Selling like-new INKA furniture. Dining table (46 1/2" x 29 1/2") and four chairs (2 green, 2 white), $80. Sofa bed, $80. Three-shelf bookcase, $30. Floor lamp, $15. E-mail cdilek@chbe.gatech.edu.

**Ongoing**

For more information, visit www.spruillarts.org.

**Conferences & Lectures**

**June 20**

College of Computing Professor and Executive Director of High-Performance Computing David Bader presents "The IBM Cell Broadband Engine Processor," part of the HPC Lunch Seminar, from noon to 2 p.m. in room 102A of the MBC building. For more information, visit www.cc.gatech.edu.

**July 1**

University of Tokyo Professor Koichi haota presents "Tracing 'Loose Electrons'—New Physical Chemistry with Femtosecond-Time Resolved Near-Infrared Spectroscopy," from 11 a.m. to noon, in room 5201 of the NSE building. For more information, visit www.chemistry.gatech.edu.

**July 10–11**

The Harris Advanced Computing Building serves as the location for the second annual "Georgia Tech, Sony/Toshiba/IBM Workshop on Software and Applications for the Cell Broadband Engine Processor." There is no fee, but attendees should register online prior to June 30. For more information, visit http://stice.gatech.edu.

**Faculty/Staff Development**

**July 31**

The Office of Organizational Development presents a Brown Bag session on "Everyday Creativity," a video presentation hosted by photojournalist Dewitt Jones. The seminar is offered from 11:30 a.m. to 1 p.m. in room 308 of the Savant building. For more information and other available times, visit www.trainsweb.gatech.edu.

**Technologies**

**June 21–27**

The Global Learning Center at Technology Square will be the site for the sixth annual International Planetary Probe Workshop, which explores the challenges and opportunities of the interplanetary exploration of solar system planets with scientists, engineers and policy-makers. Fees vary, and the workshop is from 9 a.m. to 4 p.m. For more information, visit www.planetaryprobe.org.

**June 27**

Computational Science and Engineering graduate research assistant Kamesh Madduri presents "High-Performance Computing Architectures," part of the HPC Lunch Seminar, from noon to 2 p.m. in room 102A of the MBC building. For more information, visit www.cc.gatech.edu.

**Ongoing**

The School of History, Technology and Society presents the Robert C. Williams Paper Museum exhibit "Do the Right Thing?" through Oct. 2. Formed by Professor Gus Giebelhaus and students from HTS 4001, the exhibit examines money and images on money from 10 countries. For more information, visit www.ipst.gatech.edu.

**The Spruill Gallery** presents "Breaking New Ground: Intersections at the Frontier of Art and Technology," from 11 a.m. to 5 p.m. Wednesdays through Saturdays, through June 26. Works by Tristan Al-Haddad, Carla Diana, Jason Freeman and Gil Weinberg will be featured. For more information, visit www.spruillarts.org.