

Six Pitt Faculty Receive NSF Awards

Awards fund junior faculty members' emerging research

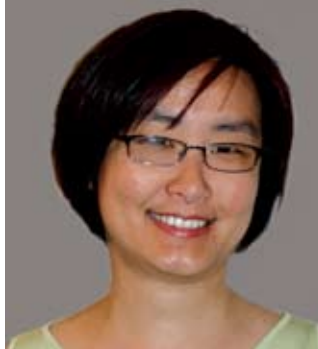


Tracy Cui

By Morgan Kelly



Di Gao



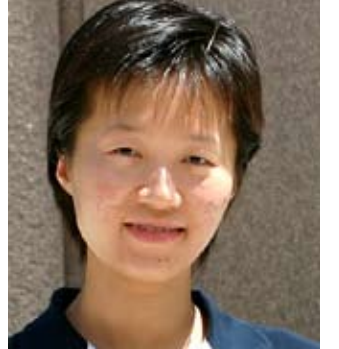
Rebecca Hwa



Alexandros Labrinidis



Lisa Weiland



Jun Yang

Communities powered by clean, local-source energy. Faster, more reliable technologies and computers with a better grasp of human language. Medical care tailored to your DNA, or neural stem cells readily available for treating neurological diseases and injuries.

Six University of Pittsburgh faculty members will advance the futures of energy, health, and technology as part of Faculty Early Career Development (CAREER) awards they received this year from the National Science Foundation. The awards fund junior faculty members' emerging careers and include an education component that encourages outreach to women and underrepresented populations.

Four recipients teach in Pitt's Swanson School of Engineering: Tracy Cui, an assistant professor in the Department of Bioengineering; Di Gao, an assistant professor in the Department of Chemical and Petroleum Engineering; Lisa Weiland, an assistant professor in the Department of Mechanical Engineering and Materials Science; and Jun Yang, an assistant professor in the Department of Electrical and Computer Engineering.

Assistant professors Rebecca Hwa and Alexandros Labrinidis, both in the Department of Computer Science in Pitt's School of Arts and Sciences, also received awards.

As of July 7, Pitt was among only 19 universities to receive six or more of the 420 CAREER awards granted since October 2007. Matching Pitt with six awards are Penn State, Texas A&M University System, the University of Massachusetts, the University of Missouri, the University of Washington, the University of Delaware, and Virginia Tech. The University of Illinois at Urbana-Champaign tops the list with 18 awards.

A description of each Pitt recipient's research follows.

Tracy Cui is developing a platform for better understanding how to harvest neural stem

cells for therapeutic use for neurological diseases and injuries. Her research involves creating a surface of electroactive polymers on which neural stem cells can be directed to become functional neurons. This technology would allow scientists to answer the predominant questions regarding neural stem cell growth and neural tissue regeneration, namely, whether stem cells can become functional cells on an engineered surface and, if so, under what circumstances.

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Di Gao's research could help usher in the much-heralded future of personalized medical care based on an individual's DNA, with his effort to revamp the technique for screening and separating DNA molecules. Gao's approach would stretch DNA strands tethered to a solid surface via an electric field, allowing them to be pulled from the surface and analyzed based on their viscoelasticity. This method would overcome the limitations of the predominant method of electrophoreses—submerging the strands in a matrix and applying an electric field. By stretching the DNA, chromosome-size DNA molecules can be separated and studied,

large fragments can be screened for mutations, and longer sequence fragments can be extracted. The technique might also be applied to RNA. The education component of Gao's project includes outreach to underrepresented high school students through a related course and workshop at Baldwin and Westinghouse high schools in Pittsburgh, both of which have large African American student populations, and collaboration with Tsinghua University in China on an international field study module for Pitt undergraduates that focuses on international views of the ethical and social issues of genetic research.

Rebecca Hwa aims to improve the ability of computers to process and translate human language. She will address the difficulty many systems have in processing texts

from such specialized domains as business e-mails or scientific literature as well as texts that are automatically translated from foreign languages. Specifically, Hwa will create machine-learning algorithms that find correspondences between "standard English" and texts from specialized domains.

The project focuses on three types of correspondences: direct translations, such as bilingual documents; loose translations, e.g., paraphrased articles; and indirectly related texts without an explicit translation. From these correspondences, a standard system will be adapted to translate texts in specialized domains. Better language processing for a wide range of texts could allow for such computer applications as intelligent tutoring programs and data mining for medical documents.

The need for personalization is expected to increase dramatically as the Internet becomes more widespread and its users—and content—more diverse. Accordingly, **Alexandros Labrinidis** aims to create a user-centric Web portal wherein people can tailor their search results. Labrinidis will first identify quality information from Web data sources; then—through a framework called Quality Agreements (QA)—a person

would specify preferences in three categories of quality: Quality of Service, Quality of Data, and Quality of Information.

The user-centric Web portal would then display the Web pages most in keeping with the person's preferences. Labrinidis' project re-examines traditional query processing techniques and introduces a new tier of interaction wherein the processor adapts to the user's changing preferences over time. Labrinidis will conduct user studies to validate the QA framework, evaluate the proposed algorithms analytically and experimentally, and develop prototypes. Results of this research—including software, data, and publications—will be made publicly available via the project Web site db.cs.pitt.edu/user-centric. Labrinidis is codirector of Pitt's Advanced Data Management Technologies Laboratory (ADMT Lab), which encompasses a range of projects from data management for sensor networks to data-stream management systems and from scientific data management to Web databases. The ADMT Lab was established in 1995 through an NSF CAREER award presented to ADMT codirector Panos Chrysanthis, a Pitt professor of computer science.

Continued on page 2

MAKING THE SWEEP



Pitt Chancellor Mark A. Nordenberg (foreground, right) and Pittsburgh Mayor Luke Ravenstahl (left) toured Oakland July 15, looking for building code violations and inspecting recently renovated properties during the third-annual Central Oakland "sweep." They were accompanied by building inspectors, Oakland community activists, and members of the news media. The code sweeps began in the spring of 2006 to encourage Oakland landlords to keep their properties safe and clean for the approximately 20,000 university students residing in the neighborhood.

Six Pitt Faculty Receive NSF Awards

Continued from page 1

Lisa Weiland will undertake a twofold effort to help sustainable energy gain a foothold in Western Pennsylvania by implementing self-powered materials into an ongoing project to power the town of Vandergrift in Westmoreland County with hydrokinetic power. The Vandergrift project, based in the Swanson School's Mascaro Center for Sustainable Innovation, will harness the Kiskiminetas River and help power the town's main business district with free, clean-source electricity using microhydro generators. Because the river—and thus the generator—is small, Weiland will investigate a potential power-harvesting method based on electromechanical materials that would generate power as the river's current moves over them. Weiland will focus on, among other things, materials known as ionomers, which have been tested for such uses as self-powered sensors in bridges and for monitoring blood flow in patients at risk for arterial blockage; as the sensors move from vibrations or fluid flow, they would simultaneously send out an electric data signal and recharge themselves. But ionomers have not yet been applied to such high-power devices as generators because of a concern that electrical output and fragility increase in tandem. As part of her CAREER project, Weiland will work on constructing more robust ionomers that can produce more

power without becoming too delicate. The education component of her project includes working with civic and business leaders in Vandergrift—and eventually other cities—to develop tailored plans for becoming more efficient producers and consumers of energy and goods.

As technologies become more compact and powerful, the microprocessors within them become more prone to overheating, leading to poor performance, reduced reliability, and shorter lifetimes. **Jun Yang** will investigate ways of controlling temperature by proactively scheduling workloads among different processing cores—which perform specific tasks within a processor—of today's multicore processors. Current processors adopt a reactive temperature control by decreasing power flow within the entire processor—even if only one core overheats. Yang's technique instead prevents overheating by swapping a high-stress task in an overheating core with a low-stress task from a cooler core. This approach would diminish the occurrence of hotspots and maintain a temperature at which the processor can function with maximum performance and reliability. Yang focuses her research on computer architecture particularly power and thermal-aware design, energy efficiency, and chip multiprocessor design.

Pitt Sets Emergency Preparedness Drills for 11 Buildings in August

The University of Pittsburgh's Department of Environmental Health and Safety has scheduled emergency preparedness exercises during August for 10 University-operated high-rise buildings and the Petersen Events Center.

The exercises will be initiated by the sounding of an emergency alarm throughout each building; occupants should evacuate the building via the nearest stairwell or exit door. Each exercise should last no more than 20 minutes. (Occupants of the Cathedral of Learning will be given special instructions for their scheduled exercise.) Each residence hall will have an emergency preparedness exercise during the fall term.

Individuals with medical conditions or disabilities that may require accommodations for participation in an evacuation exercise or in a real emergency are requested to



call Environmental Health and Safety at 412-624-9505 for the development of an individual emergency response plan.

The schedule is: **Salk Hall**, Aug. 8, 8:30 a.m.; **Petersen Events Center**, Aug. 8, 9:15 a.m.; **Bio-medical Sciences Tower 3**, Aug. 11, 8:30 a.m.; **Learning Research and Development Center**, Aug. 11, 9:15 a.m.; **Benedum Hall**, Aug. 12, 8:30 a.m.; **Graduate School of Public Health**, Aug. 12, 9:15 a.m.; **Alumni Hall**, Aug. 13, 8:30 a.m.; **School of Information Sciences**, Aug. 13, 9:15 a.m.; **Chevron Science Center**, Aug. 14, 8:30 a.m.; **William Pitt Union**, Aug. 14, 9:15 a.m.; and **Cathedral of Learning**, Aug. 15, 8:30 a.m.

BIG BEN SUPPORTS PITT POLICE K-9

Training and equipment were made available for the Pitt Police canine, Officer Riggs, through the Ben Roethlisberger Foundation, which donated nearly \$100,000 to Pittsburgh-area police and fire department K-9 units. Dog lover Ben Roethlisberger, who also plays quarterback for the Pittsburgh Steelers, donated the money because, he said, he wanted "to recognize and support the men and women in the police and fire departments who risk their lives to protect our communities and keep us safe. Since I happen to love dogs, this program is a unique way to contribute to K-9 units in different cities that play a vital role in assisting police and fire efforts."

Pictured (from left) are Roethlisberger; Pitt Police Chief Tim Delaney; Pitt Police Officer David Nanz; Allegheny County Deputy District Attorney Tom Swan; and Rob Cochran, president and CEO of #1 Cochran, one of the foundation's major supporters.



Academic Benefits of Full-Day Kindergarten Are Short-Term, Pitt Study Finds



By Sharon S. Blake

As full-day kindergarten becomes more popular throughout the United States, parents may wonder whether the full-day programs pay off academically for children in the long run.

According to a new study by researchers at the University of Pittsburgh and Loyola University in Chicago, the academic benefits are more short-term.

The study, published in the July/August 2008 issue of the journal *Child Development*, suggests that full-day kindergarten promotes academic achievement, and those children in full-day kindergarten have slightly better reading and math skills than children in part-day kindergarten. However, those initial academic benefits diminish early in elementary school.

Pitt assistant professor of psychology Elizabeth Votruba-Drzal, the study's lead author, worked with data on 13,776 children from the *Early Childhood Longitudinal Study: Kindergarten Class of 1998-99*, a study of a nationally representative group of kindergartners. Votruba-Drzal and her colleagues measured children's academic achievement in math and reading in the fall and spring of their kindergarten and first-grade years, and in the spring of their third- and fifth-grade years. The researchers looked at the type and extent of child care the children received outside of the kindergarten classroom, the quality of cognitive stimulation they received at home, and their families' poverty level.

"These study results suggest that the shift from part-day to full-day kindergarten programs occurring across the United States may have positive implications for the child's learning trajectories in the short run," says Votruba-Drzal. "They also highlight characteristics of children and their families that are noteworthy in explaining why the full-day advantages fade relatively quickly."

Overall, the study found that reading and math skills of children in full-day kindergarten grew faster from the fall to the spring of their kindergarten year compared to the academic skills of children in part-day kindergarten. However, the full-day kindergartners' gains in reading and math did not last far beyond their kindergarten year. In

fact, from the spring of their kindergarten year through fifth grade, the academic skills of children in part-day kindergarten grew faster than those of children in full-day kindergarten. The advantage of full-day versus part-day programs was no longer evident by the spring of third grade.

According to the researchers, this is owing, in part, to the fact that the children in part-day kindergarten were from more socio-economically advantaged situations and had more stimulating home environments than those in full-day programs.



Elizabeth Votruba-Drzal

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Happenings



Untitled 2008, Maria Lassnig, Life on Mars, 55th Carnegie International, through January 11, 2009

Mattress Factory, Inner & Outer Space, through Jan. 11, 2009, 500 Sampsonia Way, Northside, 412-231-3169, www.mattress.org.

Film

Quicksilver, (1986), directed by Thomas Michael Donnelly, 8 p.m. **Aug. 1; Il Postino**, (1994), directed by Michael Radford, 8 p.m. **Aug. 8; Les Triplettes de Belleville**, (2003), directed by Sylvain Chomet, 8 p.m. **Aug. 15**; part of bicycle-themed movie nights sponsored in August by Future Tenant, an art program featuring alternative exhibitions and performances by artists from Carnegie Mellon University and beyond, hosted by 819 Penn Ave. Gallery, Downtown, 412-325-7037, www.futuretenant.org.

The Playboy of the Western World, by John Millington Synge, through **Aug. 16**, Henry Heymann Theatre in the Stephen Foster Memorial, Pittsburgh Irish & Classical Theater, 412-394-3353, www.pictheater.org.

Shear Madness, by Paul Portner, through **Sept. 28**, Pittsburgh CLO Cabaret, Cabaret at Theatre Square, 655 Penn Ave., Downtown, 412-325-6766, www.clocabaret.com.

Pitt PhD Dissertation Defenses

Jill Brady, School of Health and Rehabilitation Sciences, "Examining Inter-sentential Influences on Predicted Verb Subcategorization," 9 a.m. **July 21**, Room 5047 Forbes Tower.

Jaime Berlin Talkowski, School of Health and Rehabilitation Sciences, "Quantifying Physical Activity in Community-Dwelling Older Adults Using Accelerometry," 2:30 p.m. **July 21**, Room 6012 Forbes Tower.

Sarah R. Haile, Graduate School of Public Health, "Inference on Competing Risks in Breast Cancer Data," 10 a.m. **July 22**, Room A622 Crabtree Hall.

Brian S. Sheridan, School of Medicine, "The Presence of Latent Virus Influences the Maintenance and Phenotype of the HSV-specific CD8 Memory Population," 10 a.m. **July 22**, S123 Starzl Biomedical Science Tower.

LaShawn M. Curtis, Graduate School of Public Health, "Using a Mixed-Methods Case Study Design to Explore, Evaluate, and Enhance a Cancer Patient Navigator Program," 10 a.m. **July 23**, A226 Parran Hall Conference Room.

Eric Kimball, Department of History, "An Essential Link in a Vast Chain—New England and the West Indies, 1700-1775," 10 a.m. **July 23**, 3703 Posvar Hall.

Stephen Wilson, Department of Psychology, "Self-focused Versus Other-focused Strategies for Coping With Smoking Cue Exposure," 10 a.m. **July 23**, 4127 Sennott Square.

Chi-Kuang Lin, School of Information Sciences, "Channel Access Management in Data Intensive Sensor Networks," 10 a.m. **July 23**, Room 502 School of Information Sciences Building.

Mita T. Lovalekar, Department of Epidemiology, "Indian Supercourse Network in Epidemiology—Development

Pitt's Kuntu Repertory Theatre: A Call for Auditions

Actors of diverse backgrounds are encouraged to audition for the 18th annual Pittsburgh New Works Festival, which will include a staged reading of *Thinking Outside the Box*, an original one-act play by Michael Wolfson to be presented by the University of Pittsburgh's Kuntu Repertory Theatre.

Auditions for *Thinking Outside the Box* and other productions will take place from 11 a.m. to 3 p.m. **July 26** and **27** at Open Stage Theatre, 2835 Smallman St., Strip District. Actors may select the plays for which they'd like to audition.

Actors should be prepared to deliver a two-minute nonclassical monologue and provide a head shot and résumé. To make an appointment, call 412-881-6888 or visit www.pittsburghnewworks.org.



Thinking Outside the Box is about a reality game show and a potential contestant who has a rather unorthodox audition. Kuntu's reading, to be directed by Jean-nine Foster-McKelvia, is slated for 7 p.m. **Aug. 24** at Open Stage Theatre. Admission is free.

The Pittsburgh New Works Festival will present staged readings on **Aug. 24** and **Aug. 31**. Main stage productions run Thursdays through Sundays, **Sept. 4-28**. The festival is dedicated to fostering the development of original one-act plays written by local and national playwrights that are being produced for the first time by local theater companies.

—By Sharon S. Blake

Concerts

Steve Earle, country-rock, 8 p.m. **July 24**, Byham Theater, 101 Sixth St., Downtown, Pittsburgh Cultural Trust, 412-441-1907, www.pgharts.org.

The Black Crowes, featuring mix of rock, blues, country, soul and gospel, 8 p.m. **Aug. 5**, Byham Theater, 101 Sixth St., Downtown, Pittsburgh Cultural Trust, 412-441-1907, www.pgharts.org.

Bryan Adams, singer/songwriter and guitarist, 8 p.m. **Aug. 7**, Byham Theater, 101 Sixth St., Downtown, Pittsburgh Cultural Trust, 412-441-1907, www.pgharts.org.

Exhibitions

Sweetwater Center for the Arts, Windows & Dreams, through July 25, 200 Broad St., Sewickley, 412-741-4405, www.sweetwaterartcenter.org.

Carnegie Museum of Art, BigBot: Extreme Animals—The Video Game, through July 27, and **55th Carnegie International, through Jan. 11, 2009**, 4400 Forbes Ave., Oakland, 412-622-3131, www.cmoa.org.

Andy Warhol Museum, BigBot: You're #1 and Gigapan Student Project, both through July 27; Transformer: The Work of Glenn Kain, through Aug. 31; Recette Satire: Andy Warhol's and Suzie Frankfurt's Wild Raspberries, through Sept. 14, 117 Sandusky St., North Side, 412-237-8300, www.warhol.org.

Children's Museum of Pittsburgh, Just Kidding Around: Children in Cartoons & Comics, through Aug. 3; and Lemurtron, through Sept. 10; 10 Children's Way, Northside, 412-322-5058, www.pittsburghkids.org.

Space, You Are Here, through Aug. 9, 812 Liberty Ave., Downtown, 412-471-8712, www.spacepittsburgh.org.

Regina Gouger Miller Gallery, Nancy Crow: Works From 1988-2008, through Aug. 15, Carnegie Mellon University, Forbes and Morewood avenues, 412-268-3618.

Silver Eye Center for Photography, 250 Years of Plants: Botanical Works by Regional Photographers, through Sept. 13, 1015 E. Carson St., South Side, 412-431-1810, www.silvereye.org.

Frick Art & Historical Center, A Panorama of Pittsburgh: Nineteenth-Century Printed Views, through Oct. 5, 7227 Reynolds St., Squirrel Hill, 412-371-0600, www.frickart.org.

Westmoreland Museum of American Art, Painting in the United States, through Oct. 19, 211 N. Main St., Greensburg, 724-837-1500, www.wmu-seumaa.org.

Lectures/Seminars/Readings

How to Invest in Marketable Securities, Mary Adamowski and Charles Reszetylo, senior business analysts with Pittsburgh branch of Federal Reserve Bank of Cleveland, 12:15 p.m., **July 24; Asset Allocation: Making Your Assets Work for You—Now and in the Future**, David Gettemy, Morgan Stanley financial advisor, 12:15 p.m. **July 31**, Carnegie Library of Pittsburgh, 612 Smithfield St., Downtown, 412-281-7141.

Opera/Theater/Dance

The Rat Pack Is Back!, tribute to spirited Las Vegas night club act, Lawrence Loh, conductor, **July 22-27**, Heinz Hall, 600 Penn Ave., Downtown, Pittsburgh Symphony Orchestra, 412-392-6070, www.pittsburghsymphony.org.

Annie Get Your Gun, by Irving Berlin, **July 22 through Aug. 3**, Benedum Center, 803 Liberty Ave., Downtown, Pittsburgh Civic Light Opera, 412-471-6070, www.pittsburghclo.org.

Chris Laitta's TV Tunes, cabaret, **July 25, Aug. 1, and Sept. 22**, Cabaret at Theater Square, 655 Penn Ave., Downtown, Pittsburgh Cultural Trust, 412-441-1907, www.pgharts.org.

Hezekiah Walker and the Love Fellowship Tabernacle Church Choir, gospel music, 8 p.m. **July 26**, Byham Theater, 101 Sixth St., Downtown, Pittsburgh Cultural Trust, 412-441-1907, www.pgharts.org.

Teena Marie, singer and songwriter, 8 p.m. **Aug. 2**, Heinz Hall, 600 Penn Ave., Downtown, Pittsburgh Symphony Orchestra, 412-392-6070, www.pittsburghsymphony.org.

West Side Story, music by Leonard Bernstein, lyrics by Stephen Sondheim, **Aug. 5-17**, Benedum Center, 803 Liberty Ave., Downtown, Pittsburgh Civic Light Opera, 412-471-6070, www.pittsburghclo.org.

I'm Dead, Richard Shrigley, 55th Carnegie International, through January 11, 2009

I'M DEAD



and Evaluation," 10 a.m. **July 23**, A523 Crabtree Hall.

Antonio Guilherme Fonseca Pacheco, Graduate School of Public Health, "Changes in Causes of Death in HIV/AIDS Patients in Brazil in the Haart Era," 3 p.m. **July 23**, Room 451 Victoria Building.

Darmendra Ramcharran, Graduate School of Public Health, "Aspects of the Lipid Profile in a Cohort with Chronic Hepatitis C Infection," 9 a.m. **July 24**, 127 Parran Hall.

Kathleen C. Spadaro, School of Nursing, "Weight Loss: Exploring Self-regulation Through Mindfulness Meditation," 1 p.m. **July 24**, Room 451 Victoria Building.

Bridget Calhoun, Department of Infectious Diseases and Microbiology, "Body Habitus Changes, Metabolic Abnormalities and Subclinical Cardiovascular Disease Associated with Long-term Antiretroviral Therapy," 9 a.m. **July 25**, A719 Crabtree Hall.

Kelliann K. Davis, School of Education, "Effect of Mindfulness Meditation and Home-Based Resistance Exercise on Weight Loss, Weight Loss Behaviors, and Psychosocial Correlates in Overweight Adults," 10 a.m. **July 25**, Room 3034 Petersen Events Center.

Sammy Grimaldo, School of Medicine, "Characterization of the Regulatory Mechanisms Involved in VEGF-mediated Endothelial Cell Apoptosis," 10 a.m. **July 25**, 202C Herberman Conference Center, UPMC Cancer Pavilion, 5150 Centre Ave., Shadyside.

Richard E. Blakesley, Graduate School of Public Health, "Parametric Control of Familywise Error Rates with Dependent /P-Values," 10 a.m. **July 28**, Room 109 Parran Hall.

Jeffrey C. Murphy, School of Education, "Effects of Acute Dynamic Stretching on Maximal Muscular Power in a Sample of College-Age Recreational Athletes," noon, **July 28**, Room 129 Trees Hall.

Karen Frost-Arnold, Department of Philosophy, "The Epistemological Importance of Trust in Science," 10 a.m. **July 29**, 1001B Cathedral of Learning.

Melinda R. Bolgar, School of Education, "Effects of Training Status, Exercise Mode and Intensity on Differentiated Ratings of Perceived Exertion," 1 p.m., **July 30**,

Petersen Events Center Conference Room.

Lauren M. Broyles, School of Nursing, "Alcohol Use, HIV Infection, and Antiretroviral Adherence," 2 p.m. **July 30**, Room 451 Victoria Building.

Keon L. Gilbert, Graduate School of Public Health, "A Meta-Analytic Review of Social Capital's Role in Health Promotion," 1 p.m. **July 30**, Room 111 Graduate School of Public Health.

Sherianne Gleason, Department of Infectious Diseases and Microbiology, "Characterization of Dendritic Cell Handling of Cell-Associated Membrane and Cytoplasmic Proteins From Live and Apoptotic Cells," 9 a.m. **July 31**, A719 Crabtree Hall.

Yongyun Zhao, Graduate School of Public Health, "Summary Functions for Data in the Presence of Competing Risks," 10 a.m. **July 31**, 109 Parran Hall.

Adam Joseph Carter, Department of Geology and Planetary Science, "Quantitative Thermal Infrared Analyses of Volcanic Processes and Products: Application to Bezymianny Volcano, Russia," 1 p.m. **Aug. 1**, Room 214 Space Research Coordination Center.

Daniel A. Lao-Davilla, Department of Geology and Planetary Science, "Serpentine Emplacement and Deformation in Western Puerto Rico and Their Implications for the Caribbean-North America Plate Boundary Tectonic History," 2 p.m. **Aug. 4**, Room 214 Space Research Coordination Center.

Christa E. Bartos, School of Medicine, "Perceptions of Personal Power and Their Relationship to Clinicians' Resistance to the Introduction of Computerized Physician Order Entry," 9 a.m. **Aug. 6**, M184 Parkvale Building.

Christine Mahady, Department of English, "Corporeality in Turn-of-the-Century American Fiction," 2:30 p.m. **Aug. 7**, Room 527 Cathedral of Learning.

Workshops

"The First Step: Mechanics of Starting a Small Business," 7:30-10 a.m. **Aug. 8**, Mervis Hall; 8-10 a.m. **Aug. 20**, Comfort Inn Hotel, Washington, Pa., Pitt's Small Business Development Center, no fee, registration required, 724-627-9054, ieeregistration@katz.pitt.edu.

"The Second Step: Business Planning Workshop," 7:30-10 a.m. **Aug. 22**, Mervis Hall, Pitt's Small Business Development Center, \$25 fee, registration required, 412-648-1542, ieeregistration@katz.pitt.edu.



Awards & More

Andrew F. Stewart, professor and chief of the Division of Endocrinology and Metabolism, Department of Medicine, University of Pittsburgh School of Medicine, was honored by The Endocrine Society during the organization's 90th annual meeting on June 20 in San Francisco. Stewart delivered the society's 2008 Gerald D. Aurbach Award Lecture, in recognition of his outstanding contributions to endocrinology research.

Considered an international authority in disorders of bone and mineral metabolism, Stewart leads investigations involving translational and basic science research of pancreatic beta islet cell function in individuals with diabetes. He was the first to characterize humoral hypercalcemia of malignancy, a syndrome that is a common cause of death in patients with breast, lung, and other cancers, in complete biochemical detail.

The Aurbach Award is given by The Endocrine Society in honor of the late Gerald D. Aurbach, who served as society president from 1989 to 1990. The award was first presented in 1993.

Anthony Grace, a professor of neuroscience, psychiatry, and psychology in Pitt's Department of Neuroscience, received the 2008 CINI-Lilly Neuroscience Basic Research Award for his research into the biological bases of psychiatric disorders.

The award is presented by the Collegium Internationale Neuro-Psychopharmacologicum and pharmaceutical company Eli Lilly to a researcher younger than 55 who has made significant contributions to the understanding of the nervous system. Grace accepted the award July 13 in Munich at CINI's 26th congress. CINI is the world's sole global organization dedicated to neuropsychopharmacology.

The CINI-Lilly award acknowledges Grace's work to determine the modes of action of psychiatric drugs by creating models of neuron activity that expose the biological and chemical roots of mental disorders. The award pertains in particular to his research into the neurobiology of schizophrenia and the resulting interplay between medication and the brain's neurotransmitters.

Freddie H. Fu was installed as the 37th president of the American Orthopaedic Society for Sports Medicine (AOSSM) during the society's annual meeting in Orlando, Fla. Fu is a professor and chair of the Department of Orthopaedic Surgery in the University of Pittsburgh School of Medicine and founding medical director in the UPMC Center for Sports Medicine.

Fu is known worldwide for his pioneering surgical techniques to treat sports-related injuries to the knee and shoulder and his extensive scientific and clinical research in biomechanics. Under



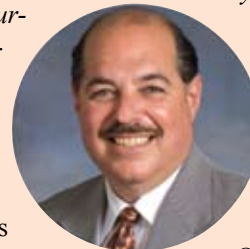
Freddie H. Fu

Fu's leadership, the UPMC Center for Sports Medicine has grown into one of the world's largest and most comprehensive sports medicine clinical and research centers. Fu is the head team physician for the University's Department of Athletics.

Fu joined the medical school faculty in 1982 as an assistant professor of orthopaedic surgery and director of sports medicine. He became clinical vice chair of the Department of Orthopaedic Surgery in 1990 and executive vice chair in 1994. He is the editor of 28 major orthopaedic textbooks and also serves on the editorial boards of, and as a reviewer for, many orthopaedic journals, including the *American Journal of Sports Medicine*, *Arthroscopy*, and the *Journal of Bone and Joint Surgery*.

Alan H. Teich, associate professor of psychology and natural sciences at the University of Pittsburgh at Johnstown, has been named interim vice president for academic affairs at Pitt-Johnstown.

Teich joined the Pitt-Johnstown faculty in 1987 as an assistant professor of psychology and natural sciences. He was promoted to associate professor in 1993. He received his doctoral degree in behavioral medicine from the University of Miami, his master's degree in experimental psychology from the State University of New York at Geneseo, and his bachelor's degree



Alan H. Teich

in psychology from the State University of New York at Brockport.

As a member of the Pitt-Johnstown faculty, Teich has served as the chair of the Department of Psychology and Division of Natural Sciences, and he has been a member of numerous University committees. He is very active in his field and has conducted extensive research on the effects of stress on the human body, experimental pain, and the effects of divorce on children. His research has appeared in several professional journals, including *Behavioral Brain Research*, *Behavioral Neuroscience*, *Perspectives in Behavioral Medicine*, and *Physiology and Behavior*.

Michael Madison, professor of law and associate dean for research in the University of Pittsburgh School of Law, is one of four law professors and other experts who served on a committee to develop a Code of Best Practices in Fair Use for Online Video to guide creators of online entertainment.

Sponsored by the American University's Center for Social Media, the committee was cochaired by Peter Jaszi, professor of law and faculty director of the Glushko-Samuelson Intellectual Property Clinic at American's Washington College of Law, and Patricia Aufderheide, professor and director of the social media center in American's School of Communication.

Madison had a similar role on the board of an earlier project—a statement of best practices for fair use in documentary filmmaking—on which the current project is based.



The Pittsburgh Supercomputing Center (PSC) won the Best Demonstration at TGO8 award during the annual conference of the TeraGrid, a National Science Foundation program of cyberinfrastructure for U.S. science and education. A PSC team of two scientists, Shawn Brown and Philip Blood, and University of Pittsburgh student intern Jordan Soyke received the award for WiiMD, an innovative project that merges the video-game technology of the Nintendo Wii with interactive supercomputing. Brown (second from left) demonstrates WiiMD to visiting students at a National Science Foundation open house in Arlington, Va. The PSC is a joint effort of the University of Pittsburgh and Carnegie Mellon University together with the Westinghouse Electric Company.

PUBLICATION NOTICE The next edition of *Pitt Chronicle* will be published Aug. 19. **Items for publication in the newspaper's *Happenings* calendar** (see page 3) **should be received six working days prior to the desired publication date.** *Happenings* items should include the following information: title of the event, name and title of speaker(s), date, time, location, sponsor(s), and a phone number and Web site for additional information. Items may be e-mailed to chron@pitt.edu, faxed to 412-624-4895, or sent by campus mail to 422 Craig Hall. For more information, call 412-624-4238 or e-mail aleff@pitt.edu.