

## Pitt-Led Researchers Develop New Nanoscale Light Sensor Compatible With Etch-a-Sketch™ Nanoelectronics Platform



By Morgan Kelly

University of Pittsburgh researchers have created a nanoscale light sensor that can be combined with near-atomic-size electronic circuitry to produce hybrid optic and electronic devices with new functionality. The team, which also involved researchers from the University of Wisconsin at Madison, reports in *Nature Photonics* that the development overcomes one of nanotechnology's most daunting challenges.

The group, led by Jeremy Levy, a professor of physics and astronomy in Pitt's School of Arts and Sciences, fashioned a

photonic device less than 4 nanometers wide, enabling on-demand photonic interaction with objects as small as single molecules or quantum dots. In another first, the tiny device can be electrically tuned to change its sensitivity to different colors in the visible spectrum, which may forgo the need for the separate light filters other sensors typically require. Levy worked with Pitt postdoctoral researcher and lead author Patrick Irvin, postdoctoral researchers Daniela Bogorin and Cheng Cen, and Pitt graduate student Yanjun Ma. Also part of the team were University of Wisconsin-Madison researchers

Chang-Beom Eom, a professor of materials science and engineering, and research associates Chung Wung Bark and Chad Folkman.

The researchers produced the photonic devices via a rewritable nanoelectronics platform developed in Levy's lab that works like a microscopic Etch A Sketch™, the drawing toy that initially inspired him. His technique, first reported in *Nature Materials* in March 2008, is a method to switch an oxide crystal between

insulating and conducting states. Applying a positive voltage to the sharp conducting probe of an atomic force microscope creates conducting wires only a few nanometers wide at the interface of two insulators—a 1.2 nanometer-thick layer of lanthanum aluminate grown on a strontium titanate substrate. The conducting nanowires can then be erased with reverse voltage, rendering the interface an insulator once more.

In February 2009, Levy reported in *Science* that his platform could be used to sculpt a high-density memory device and a transistor called a "SketchFET" with features a mere two nanometers in size.

In this recent work, Levy and his colleagues demonstrated a robust method for incorporating light sensitivity into these electronic circuits, using the same techniques and materials. Photonic devices generate, guide, or detect light waves for

a variety of applications, Levy said. Light is remarkably sensitive to the properties of such nanoscale objects as single molecules or quantum dots, but the integration of semiconductor nanowire and nanotube photonic devices with other electronic circuit elements has always been a challenge.

"These results may enable new possibilities for devices that can

sense optical properties at the nanoscale and deliver this information in electronic form," Levy said.



Jeremy Levy



Judy Woodruff

### Pitt's Honors College, Thornburgh Forum Bring Judy Woodruff of PBS *NewsHour* for Nov. 15 Lecture

By Patricia Lomando White

The University of Pittsburgh Honors College and the American Experience Distinguished Lecture Series of Pitt's Dick Thornburgh Forum for Law and Public Policy will feature Judy Woodruff, co-anchor and senior correspondent of the PBS *NewsHour*, at 7:30 p.m. Nov. 15 in a lecture titled "After the 2010 Elections: Can They Govern?"

David Shribman, executive editor of the *Pittsburgh Post-Gazette*, will moderate a question-and-answer session following the lecture, which will take place in The Twentieth Century Club, 4201 Bigelow Blvd., Oakland.

Woodruff's lecture is free and open to the public, but seating is limited. Anyone interested in attending must RSVP with name, phone number, and name/s of additional attendees to [uhcevent@pitt.edu](mailto:uhcevent@pitt.edu). For more information on the American Experience Lecture Series, visit [ae.honorscollege.pitt.edu](http://ae.honorscollege.pitt.edu).

Woodruff has covered politics and other news for more than three decades at CNN, NBC, and PBS. For 12 years, Woodruff served as anchor and senior correspondent for CNN, anchoring *Inside Politics* and playing a central role in the network's coverage of politics and other major news stories. She was NBC News' White House correspondent from 1977 to 1982, and, for one year after that, she served as NBC's *Today* show chief Washington correspondent. Woodruff is the author of *This Is Judy Woodruff at the White House* (Addison-Wesley, 1982).

At PBS from 1983 to 1993, she was the chief Washington correspondent for the *NewsHour* when it was titled *The MacNeil/Lehrer NewsHour*. From 1984 to 1990, Woodruff anchored PBS' award-winning weekly documentary series *Frontline With Judy Woodruff*. She returned to the *NewsHour*, then titled *The NewsHour With Jim Lehrer*, in 2007. That same year, Woodruff completed a project on the views of young Americans called "Generation Next: Speak Up. Be Heard." Two hour-long documentaries aired on PBS in January and September 2007 along with a series of reports on the *NewsHour*, NPR, and Yahoo and in *USA Today*.

In addition to working for PBS, Woodruff anchors *Conversations With Judy*

*Continued on page 2*

## Higher Medicare Spending on Rx Drugs Doesn't Necessarily Mean Better-Quality Care, Zhang-Led Study Finds

By Anita Srikameswaran

Medicare patients in regions that spend the most on prescription medications are not necessarily getting better-quality care, according to a new spending-practices study from the University of Pittsburgh Graduate School of Public Health (GSPH). The findings, published in the Nov. 3 issue of the *New England Journal of Medicine's* Online First, reveal great variation across the country in both drug spending and the rate of inappropriate prescriptions for the elderly.

Lead investigator Yuting Zhang, an assistant professor of health economics in GSPH, said that even after demographic characteristics such as age, sex, individual health status, and insurance coverage are taken into account, it is clear that Medicare drug spending varies broadly among hospital-referral regions.

"Higher spending can be justified if it's for drugs that are necessary and appropriate and improve patients' health," Zhang said. "But if certain drugs are being incorrectly

prescribed to seniors, then that can lead to complications and expensive interventions, such as hospitalization. As we try to reform health care to get costs under control, we need a better understanding of how spending differs regionally to make a positive impact."



Yuting Zhang

Zhang and her colleagues assessed two measures of prescription quality from the Healthcare Effectiveness Data and Information Set. One measure indicates whether a Medicare beneficiary receives at least one high-risk drug—such as some antihistamines and muscle relaxants—that should be avoided in the elderly. The other assesses whether Medicare beneficiaries who have dementia,

chronic kidney failure, or a history of pelvic or hip fractures are given prescriptions in the outpatient setting for drugs that shouldn't be given to patients with those conditions.

Using pharmacy event and medical

claims data as well as zip code information for more than 500,000 Medicare beneficiaries, the researchers determined that there was broad variation across regions in the quality of prescribing after adjustment for demographic variables and level of health risk. For example, at the top of the scale, 44 percent of elderly beneficiaries in Alexandria, La., used high-risk drugs while only 11 percent in the Bronx, N.Y., did.

Regions where beneficiaries were more likely to be given prescriptions for high-risk or potentially harmful drugs did not necessarily spend more on drugs overall than regions where beneficiaries were less likely to use high-risk or harmful drugs.

In addition, the researchers found that regions where nondrug medical spending was higher also were the places where there was a greater likelihood of high-risk or harmful drugs being prescribed for Medicare beneficiaries.

"That contradicts the idea that high spending leads to better prescription practices," Zhang said.

Katherine Baicker and Joseph P. Newhouse, both of Harvard University, coauthored the paper.

# Briefly Noted



## Pitt World History Center Plans Nov. 17 Lecture on Cross-Community Migration

The University of Pittsburgh World History Center will present a lecture by Leo Lucassen, a professor of social history at Leiden University, the Netherlands, at 2 p.m. Nov. 17, in Room 3703, Posvar Hall.

The free public lecture, titled "Mobility Transition Revisited, 1500-1900: What the Case of Europe Can Offer to Global History," will be broadcast online from 2 to 3:15 p.m. that afternoon, with a two-minute delay, at <http://mediasite.cidde.pitt.edu>. Viewers will be able to submit questions online during the session. Lucassen's lecture also will be available online following the completion of the broadcast.

A specialist in the fields of social, migration, and urban history, Lucassen has focused his research on the Roma and other itinerant groups. The lecture will address cross-community migration, adapting concepts from Pitt professor of history and director of the World History Center Patrick Manning's argument that migrants moving over a cultural border are more likely to accelerate modernization. Lucassen considers six distinct forms of migration and also contrasts the regional variations of the Netherlands and Russia.

Lucassen's recent publications on the theme of global history include *Migration History in World History: Multidisciplinary Approaches* (Brill Publishers, 2010) and *Paths of Integration: Migrants in Western Europe (1880-2004)* (Amsterdam University Press, 2006).

The event will be the World History Center's inaugural presentation of a seminar broadcast worldwide. A reception will follow the lecture. For more information, visit [www.worldhistory.pitt.edu](http://www.worldhistory.pitt.edu).

—By Patricia Lomando White

## Katz to Present "Art of Negotiation" Workshop Nov. 18

Pitt's Joseph M. Katz Graduate School of Business will host a workshop on improving negotiation skills. Titled "The Art of Negotiation" and led by Heather Arnet and Tara Simmons from the Women and Girls Foundation (WGF), the event will be held from 7:30 to 10:30 a.m. Nov. 18 in Ballroom A of the University Club.

Presenters will help students and alumni identify negotiation opportunities, develop negotiation strategies, and recognize barriers to negotiating. While the program is designed specifically for women, the workshop is open to all alumni and students of the Katz School and the College of Business Administration. This event is free for students and \$25 for alumni.

Arnet is executive director of WGF, which works toward achieving equality for women and girls in Southwest Pennsylvania. Arnet has spearheaded WGF's efforts to increase women's representation on the public and corporate boards of Pittsburgh and in elective office.

Simmons is WGF's director of operations and programs. She also oversees the organization's regional outreach efforts, including cultivating community relationships to increase WGF's visibility and ability to advance the foundation's mission throughout the region.

—By Jessica Myers

## Pitt Freshman Wins 2010 Pitt-BNY Mellon Jazz Scholarship

University of Pittsburgh freshman Jacob Sacks has been selected the winner of the 2010 Pitt-BNY Mellon Jazz Scholarship. The \$5,000 tuition prize is awarded annually to a Pitt music student and is based on submitted tapes of jazz standards that are judged by a panel of nationally recognized jazz musicians.



Jacob Sacks

Sacks, 18, was recognized Nov. 6 at the 2010 Pitt Jazz Concert.

A Mt. Lebanon, Pa., resident, Sacks plans to declare a double major at Pitt in bioengineering and music composition.

He grew up in a musical household—his mother, Ruth Sacks, has a PhD in music composition—and he began composing at age 8. His works garnered first-, second-, and third-place honors in the statewide PTA Reflections Program competition. He played piano for five years and violin for eight before discovering in high school his love for the guitar. Sacks has taken master classes with guitarists Joe Negri and Ken Karsh and has studied under R. J. Zimmerman, adjunct professor of guitar at Duquesne University.

This is the 24th year that Pitt and BNY Mellon have funded the scholarship. BNY Mellon Jazz supports nonprofit organizations engaged in live performances and jazz education and recognizes individuals and organizations that have made significant contributions to Pittsburgh's rich jazz tradition.

—By Sharon S. Blake

# Awards & More



**Salomé Skvirsky-Aguilera**, who recently earned her PhD in English at the University of Pittsburgh, is the recipient of the 2010 Eduardo Lozano Memorial Dissertation Prize, sponsored by Pitt's Center for Latin American Studies. The prize honors internationally renowned librarian Eduardo Lozano, who developed and directed the Latin American collection at the University's Hillman Library from 1967 until his death in August 2006.

Skvirsky-Aguilera was nominated for her dissertation, titled "The Ethnic Turn: Studies in Political Cinema From Brazil and the U.S., 1960-2005." Prior to her studies at Pitt, Skvirsky-Aguilera received her bachelor's degree in English with a concentration in film at the University of Pennsylvania. She is currently an assistant professor of film and media studies at the University of Massachusetts, Boston.

The Eduardo Lozano Memorial Dissertation Prize is awarded annually for the best doctoral dissertation at Pitt on a topic related to Latin America, the Caribbean, or Latin American communities in other countries. The prize, which includes a cash award of \$1,250, is cofunded by contributions from Pitt's Department of Hispanic Languages and Literatures in the School of Arts and Sciences and other donations.

For the first time since the prize's inception in 2007, the committee of Pitt faculty members awarded an honorable mention. The recipient is **Maria Andrea Castagnola**, who recently earned her PhD in political science from Pitt. Her dissertation is titled "Rethinking Judicial Instability in Developing Democracies: A National and Subnational Analysis of Supreme Courts in Argentina."

**Cindy Skrzycki**, a senior lecturer in the University of Pittsburgh's Department of English and business correspondent for GlobalPost.com, was among 15 women in media honored during the Women and Girls Foundation (WGF) Gala Awards Ceremony on Nov. 6 at the August Wilson Center for African American Culture, Downtown.

The Pittsburgh-area women were recognized for "leading the way in print, radio, PR, TV, film, and on the Internet, and those utilizing multiple media to promote and amplify the voices of women and girls."

Pitt alumni Sally Kalson (A&S '72), *Pittsburgh Post-Gazette* columnist, and Mary Robb Jackson (A&S '74, '74G), KDKA TV news reporter, also were among the 15 women honored.



Cindy Skrzycki

Skrzycki joined Pitt's Department of English in 2004 at the invitation of then-department chair David Bartholomae. Under her guidance, Pitt students have landed internships at organizations such as Bloomberg News, Dow Jones News Service, the *Pittsburgh Post-Gazette*, *The Washington Post*, CBS, CNN, NPR, *Congressional Quarterly*, *The New Republic*, *The New Yorker*, and *U.S. News & World Report*.

## Honors College, Thornburgh Forum Bring Judy Woodruff of PBS

Continued from page 1

Woodruff, a monthly program for Bloomberg Television.

In the fall of 2005, Woodruff was a visiting fellow at Harvard University's Joan Shorenstein Center on the Press, Politics, and Public Policy, and, through fall 2006, was a visiting professor at Duke University's Terry Sanford Institute of Public Policy.

Woodruff is founding cochair of the International Women's Media Foundation and serves on the boards of trustees of the Freedom Forum, the Newseum, and the Urban Institute. She also serves as a member of The Knight Foundation Commission on Intercollegiate Athletics and the board of the National Museum of American History. She is a graduate of Duke University, where she is a trustee emerita.

Woodruff is a recipient of the Cine Lifetime Achievement Award, a Duke Distinguished Alumni Award, and the Edward R. Murrow Lifetime Achievement Award in Broadcast Journalism/Television.

Late Pitt faculty member Robert G. Hazo created the American Experience program 39 years ago to offer Pittsburgh's mid-to-high-level managers the opportunity to gain insight into political and economic thought with the intent of enlightening the public's political discourse. The program's current director is Edward L. McCord, director of programming and special projects in Pitt's Honors College and director of the Dick Thornburgh Forum for Law and Public Policy. The series focuses on political and economic issues and has featured addresses by such internationally renowned speakers

as Pat Buchanan, Paul R. Ehrlich, Teresa Heinz Kerry, Bruce Babbitt, and the late John Kenneth Galbraith.

## PittChronicle

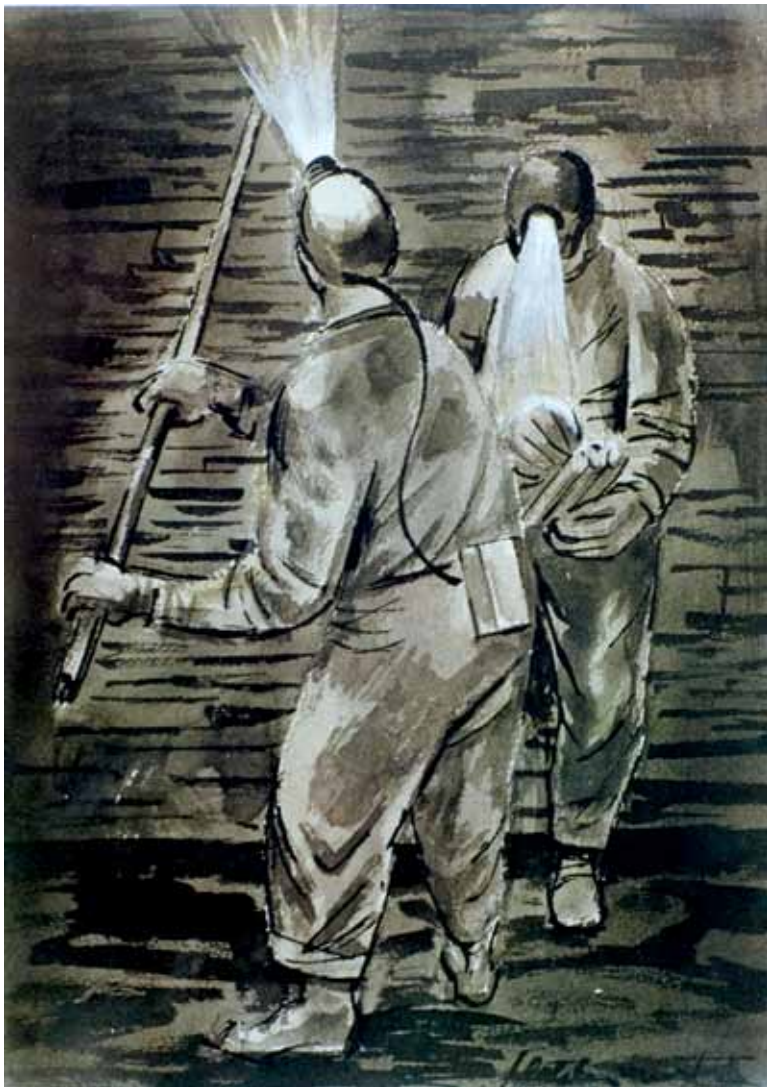
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# Happenings



**Setting the Charge, 1947, by Fletcher Martin, Frick Fine Arts Building, through November 29**

## Lectures/Seminars/Readings

**Andrew Ross Sorkin**, *New York Times* columnist and author, 7:30 p.m. **Nov. 15**, Carnegie Music Hall, 4400 Forbes Ave., Oakland, Drue Heinz Lectures, 412-622-8866, www.pittsburghlectures.org.

**"The Berlin Group,"** Nikolay Milkov, visiting fellow, Pitt Center for Philosophy of Science, 12:05 p.m. **Nov. 16**, 817R Cathedral of Learning, Pitt Center for Philosophy of Science, 412-624-1052, pittentr@pitt.edu.

**"Therapeutic Immunosuppression: Drugs, Cells, and the Quest for Transplant Tolerance,"** Angus W. Thomson, Distinguished Professor of Surgery and professor of immunology, Pitt School of Medicine, 4 p.m. **Nov. 16**, 2500 Posvar Hall, Provost Inaugural Lecture, 412-624-5750.

**Informational Luncheon for TIES Researchers and Research Assistants**, talk on Text Information Extraction System (TIES), Rebecca Crowley, director, Biomedical Informatics Graduate Training Program, Pitt School of Medicine, 11 a.m. **Nov. 17**, M3901 UPMC Presbyterian Hospital South Tower, open to UPMC and Pitt employees and students in the Department of Biomedical Informatics, 412-623-4753.

**Ben Carson**, celebrated pediatric neurosurgeon who overcame poverty to become director of pediatric neurosurgery for Johns Hopkins University Hospital at age 33, 8 p.m. **Nov. 17**, Heinz Hall, 600 Penn Ave., Downtown, Robert Morris University's Pittsburgh Speakers Series, 412-392-4900, www.pittsburghspeakersseries.org.

**"U.S. Drone Strikes in Pakistan: Three Myths vs. Three Realities,"** A.S.M. Ali Ashraf, doctoral candidate, Pitt Graduate School of Public and International Affairs, noon **Nov. 18**, 4130 Posvar Hall, Asia Over Lunch Lecture Series, Pitt's Asian Studies Center, 412-648-7370 or asia@pitt.edu.

**"Health Effects of Shale Gas Extraction: Do We Need to Know More, and, If So, How Can We Find It Out?"** conference on the science and approaches needed to understand health impact of extracting, refining, and delivering natural gas from shale deposits, 8 a.m.-6 p.m. **Nov. 19**, University Club, Pitt Graduate School of Public Health, 412-383-7540, www.eoh.pitt.edu/Marcellus.asp.

**"PACE-Related Patient Communication Skills and Implications for Physicians' Communication Style,"** Donald J. Cegala, Emeritus Professor of Communication and Family Medicine, Ohio State University, noon **Nov. 19**, Lecture Room 3, Scaife Hall, Pitt Medical Education Grand Rounds, Office of the Vice Dean, School of Medicine, 412-648-9000, www.megr.pitt.edu.

**"Contextual Emergence,"** Paul Humphreys, professor, University of Virginia's Department of Philosophy, 3:30 p.m. **Nov. 19**, 817R Cathedral of Learning, Pitt Center for Philosophy of Science's Annual Lecture Series, 412-624-1052, pittentr@pitt.edu.

**"Income Inequality in America,"** Larry E. Davis, dean of Pitt's School of Social Work and director of Pitt's Center on Race and Social Problems, 2 p.m. **Nov. 21**, Synod Hall, 125 N. Craig St., Oakland, Race & Reconciliation Dialogue Group of St. Paul Cathedral, 412-681-8528.

**"Making Connections: Networking at Professional Meetings and Conferences,"** Beth Fischer, director, Survival Skills and Ethics Program and assistant professor of Family Medicine, Pitt School of Medicine, 3 p.m. **Nov. 23**, S120 Thomas E. Starzl Biomedical Science Tower, Postdoctoral Professionalism Series, Office of Academic Career Development, www.oacd.health.pitt.edu.

## Miscellaneous

**Elpidio Valdés**, (1979, Juan Padrón) film screening, 6:30 p.m. **Nov. 17**, Frick Fine Arts Auditorium, free, *Cuban Eyes/Cubanize: Fifty Years of Cuban Cinema Since the Cuban Revolution* film series, Pitt's Center for Latin American Studies, Department of Hispanic

Languages and Literatures, www.amigocinelatinoamericano@gmail.com.

**"Titón, de la Habana a Guantanamo,"** (2008, Mirtha Ibarra) film screening, 6:30 p.m. **Nov. 19**, Frick Fine Arts Auditorium, free, *Cuban Eyes/Cubanize: Fifty Years of Cuban Cinema Since the Cuban Revolution* film series, Pitt's Center for Latin American Studies, Department of Hispanic Languages and Literatures, www.amigocinelatinoamericano@gmail.com.

**Buddy Valastro: Bakin' With the Boss Tour**, live interactive event featuring baker and star of TLC's *Cake Boss*, 7:30 p.m. **Nov. 22**, Heinz Hall, 600 Penn Ave., Downtown, Heinz Hall Special Presentation, Pittsburgh Symphony Orchestra, 412-392-4900, www.pittsburghsymphony.org.

## Opera/Theater/Dance

**Lucia di Lammermoor**, music by Gaetano Donizetti, libretto by Salvatore Cammarano, **Nov. 16, 19, 21**, Benedum Center, 803 Liberty Ave., Downtown, Pittsburgh Opera, 412-456-6666, www.benedumcenter.org, PITT ARTS Cheap Seats, 412-624-4498, www.pittarts.pitt.edu.

**Pittsburgh Irish & Classical Theatre**, scenes and vignettes from current season, noon **Nov. 17**, Nordy's Place, Lower Level, William Pitt Union, Pitt ARTS' Artful Wednesdays, 412-624-4498, www.pittarts.pitt.edu.

**Harriet Tubman Loved Somebody**, theatrical performance, **through Nov. 20**, Pittsburgh Playwrights Theatre Company, 542 Penn Ave., Downtown, Pitt's Kuntu Repertory Theatre, 412-624-8498.

**When the Rain Stops Falling** by Andrew Bovell, **through Nov. 21**, Iron City Brewery, 3340 Liberty Ave., Lawrenceville, Quantum Theatre, www.quantumtheatre.com, 1-888-718-4253, PITT ARTS Cheap Seats, 412-624-4498, www.pittarts.pitt.edu.

**Rock of Ages**, five-time Tony Award-nominated musical, **Nov. 23-28**, Benedum Center, 803 Liberty Ave., Downtown, Pittsburgh Cultural Trust, PNC Broadway Across America, 412-471-6070, www.pgharts.org, PITT ARTS Cheap Seats, 412-624-4498, www.pittarts.pitt.edu.

**The Morini Strad** by Willy Holtzman, inspired by true story that rocked the classical music world, **through Dec. 12**, City Theater, 1300 Bingham St., South Side, 412-431-2489, www.citytheatre-company.org.

**Talley's Folly**, Pulitzer Prize-winning romantic comedy by Lanford Wilson, **through Dec. 12**, O'Reilly Theater, 621 Penn Ave., Downtown, Pittsburgh Public Theater, 412-316-1600, www.ppt.org, PITT ARTS Cheap Seats, 412-624-4498, www.pittarts.pitt.edu.

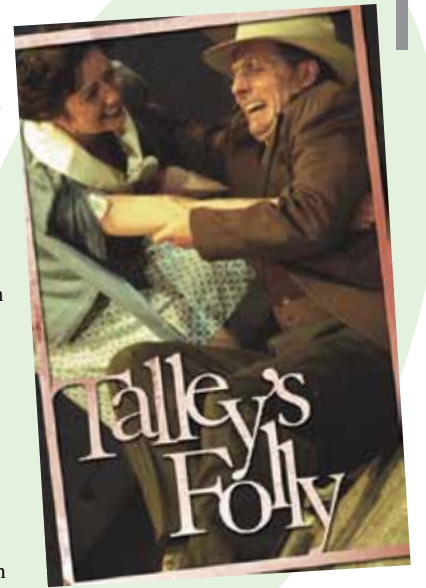
## Pitt PhD Dissertation Defenses

**Joanne Michel de Guerrero**, School of Arts and Sciences' Department of Anthropology, 1 p.m. **Nov. 15**, "Oapan Nawa Folktales: Links to the Pre-Hispanic Past in a Contemporary Indian Community of Mexico," 3106 Posvar Hall.

**Joseph Vella**, Swanson School of Engineering, 9 a.m. **Nov. 16**, "The Role of Stress Resistance in Cell Transplantation Efficacy for Muscle Regeneration," 2nd Floor Conference Room, Bridgeside Point II Building.

**Kohei Kishida**, School of Arts and Sciences' Department of Philosophy, 9 a.m. **Nov. 17**, "Generalized Topological Semantics for First-Order Modal Logic," 1001B Cathedral of Learning.

**David James Rice**, School of Education's Department of Health and Physical Activity, 11:30 a.m. **Nov. 17**, "Effect of Moderate-to-Vigorous Physical Activity on PLA2 and CRP Levels in Middle-Aged Women," Baierl Student Recreation Center Conference Room, Petersen Events Center.



**Talley's Folly by Lanford Wilson, O'Reilly Theater, through December 12**

**Christopher G. Hughes**, School of Arts and Sciences' Department of Geology and Planetary Science, 10 a.m. **Nov. 18**, "Super-Resolution of Thermal Infrared Data With Contemporaneous Visible and Near Infrared Data," 214 Space Research Coordination Center.

**Sagar Joshi**, Swanson School of Engineering, 11 a.m. **Nov. 18**, "Experimental Control of Morphogenesis in Embryonic Tissues," 5th-Floor Conference Room, Biomedical Science Tower 3.

**Michael S. Leibowitz**, School of Medicine's Immunology Graduate Program, 1:30 p.m. **Nov. 18**, "Regulation of Antigen Processing Machinery Component Expression in Head and Neck Cancer by Signal Transducers and Activators of Transcription and SRC Homology-2 Domain-Containing Phosphatase," 123 Biomedical Science Tower South.

**Laura Meszaros**, Swanson School of Engineering, 9 a.m. **Nov. 19**, "Effect of Host on Cellular Therapies for Bone Healing," 2nd-Floor Conference Room, Bridgeside Point II Building.

**Enrique Lopez-Hurtado**, School of Arts and Sciences' Department of Anthropology, 10 a.m. **Nov. 19**, "Ideology and the Development of Social Hierarchy at the Site of Paquimil, Peruvian Central Coast," 3301 Posvar Hall.

**Sarah Taylor**, School of Arts and Sciences' Department of Anthropology, 1 p.m. **Nov. 19**, "Conditions of Social Change at El Dornajo, Southwestern Ecuador," 3301 Posvar Hall.

**Evgenia Mylonaki**, School of Arts and Sciences' Department of Philosophy, 1:30 p.m. **Nov. 19**, "From Conflict to Unity: Motivation And Practical Reason," 1001B Cathedral of Learning.

**Patrick M. Fisher**, School of Medicine's Center for Neuroscience Graduate Program, 2:30 p.m. **Nov. 19**, "In Vivo Assessment of Serotonergic Signaling Pathways Underlying the Corticolimbic Response to Threat in Humans," 2nd-Floor Auditorium, Learning Research and Development Center.

**Debra N. Thompson**, School of Nursing, 10 a.m. **Nov. 22**, "A Multi-Level Study of Nurse Leaders, Safety Climate, and Care Outcomes," 219 Victoria Building.

**Joseph Cichosz**, School of Arts and Sciences' Department of Anthropology, 11 a.m. **Nov. 23**, "Marriage Across the Taiwan Straits: Male Migrants, Marital Desire, and Social Mobility," 3106 Posvar Hall.

**Jillian Tengood**, Swanson School of Engineering, 12:30 p.m. **Nov. 23**, "Sequential Delivery of Angiogenic Growth Factors From Porous Hollow Fiber Membranes," 402 Bridgeside Point Building II.

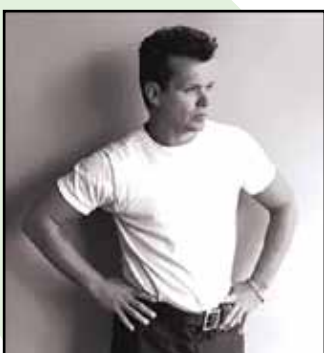
## Concerts

**Rich Patrick Irish Folk Band**, 6 p.m. **Nov. 18**, free, Cup & Chaucer Café, ground floor, Hillman Library, Emerging Legend Series, http://www.calliopehouse.org/legends.htm, 412-361-1915.

**Slatkin Conducts Copland's Appalachian Spring**, also works by Bernstein and Tower, 8 p.m. **Nov. 19**; 2:30 p.m. **Nov. 21**, Heinz Hall, 600 Penn Ave., Downtown, Pittsburgh Symphony Orchestra, BNY Mellon Grand Classics, 412-392-4900, www.pittsburghsymphony.org.

**John Mellencamp's No Better Than This Tour**, Mellencamp and his band performing in theater-size venues, 6:45 p.m. **Nov. 20**, Heinz Hall, 600 Penn Ave., Downtown, Heinz Hall Special Presentation, Pittsburgh Symphony Orchestra, 412-392-4900, www.pittsburghsymphony.org.

**Monty Alexander: Harlem-Kingston Express**, a musical journey from Harlem to Jamaica, 2:30 p.m. **Nov. 21**, Manchester Craftsmen's Guild Hall, 1815 Metropolitan St., Manchester, 412-322-0800, www.mcgjazz.org, PITT ARTS Cheap Seats, 412-624-4498, www.pittarts.pitt.edu.



**John Mellencamp's No Better Than This Tour, Heinz Hall, November 20**

**Cornucopia of Sound**, free Pittsburgh Youth Symphony Orchestra concert, 7:30 p.m. **Nov. 21**, Heinz Hall, 600 Penn Ave., Downtown, Pittsburgh Youth Symphony Orchestra, www.pyso.us.

**Honeck & a Waltz Tradition**, cellist Johannes Moser's PSO debut, 8 p.m. **Nov. 26**; also 2:30 p.m. **Nov. 28**, Heinz Hall, 600 Penn Ave., Downtown, Pittsburgh Symphony Orchestra, BNY Mellon Grand Classics, 412-392-4900, www.pittsburghsymphony.org.

## Exhibitions

**University Art Gallery**, *Slag: What's Left After Industry?* paintings, photographs, and contemporary perceptions of Pittsburgh's transformation from its industrial era, **through Nov. 29**, Frick Fine Arts Building, 412-648-2400, www.theslagexperience.info.

**Frick Art & Historical Center**, *For My Best Beloved Sister Mia: An Album of Photographs by Julia Margaret Cameron*, works by one of the Victorian Era's best-known master photographers, **through Jan. 2**, 7227 Reynolds St., Point Breeze, 412-371-0600, www.frickart.org.

**Carnegie Museum of Art**, *Ordinary Madness*, **through Jan. 9**; *André Kertész: On Reading*, photography exhibition, **through Feb. 13**, 4400 Forbes Ave., Oakland, 412-622-3131, www.cmoa.org.

**Senator John Heinz History Center**, *Vatican Splendors: A Journey Through Faith and Art*, **through Jan. 9**, 1212 Smallman St., Strip District, 412-454-6000, www.heinzhistorycenter.org.

**Mattress Factory**, *Queloids: Race and Racism in Cuban Contemporary Art*, **through Feb. 27**, 500 Sampsonia Way, North Side, curated by Alejandro de la Fuente, Pitt research professor of history and Latin American studies, 412-322-2231, www.mattress.org.



# Pitt Jazz 2010



PHOTOS BY JIM BURKE/CUDE

Pitt's renowned Jazz Seminar and Concert marked its 40th anniversary with a sold-out night of jazz Nov. 6 in Carnegie Music Hall. In keeping with tradition, eight international jazz greats gave miniclinics at area schools, performed at a Ronald McDonald House and the Hill House Senior Service Center, and conducted free on-campus lectures and demonstrations. Jazz Week culminated with the concert, and among the performers were **(1)** Peter King, saxophone; **(2)** Winard Harper, drums; **(3)** Leon Lee Dorsey, bass; **(4)** Bobby Broom, guitar; and **(5)** Jon Faddis, trumpet.

Founded by Pitt Jazz Studies Director Nathan Davis in 1970, the event was the first academic jazz seminar of its kind in the country, featuring international artists connecting with aspiring students in a lecture format, then performing together as an ensemble.

**PUBLICATION NOTICE** The next edition of *Pitt Chronicle* will be published Nov. 29. 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](mailto:chron@pitt.edu), faxed to 412-624-4895, or sent by campus mail to 422 Craig Hall. For more information, call 412-624-1033 or e-mail [robinet@pitt.edu](mailto:robinet@pitt.edu).