

Pitt Inducts New Members Into Cathedral of Learning Society



The University of Pittsburgh honored the philanthropy of the donors who were inducted into the Cathedral of Learning Society on June 22. Chancellor Mark A. Nordenberg welcomed inductees and/or their family representatives during the ceremony in the Cathedral of Learning Commons Room. Pictured, from left, are Nordenberg, Janet L. Swanson, David and Linda McKamish, Janet and Dennis McKamish, Elizabeth Blum (niece of the late Edgar L. Levenson), Leonard H. Berenfield, Rich and Mark Lerner (sons of the late Morton S. Lerner and the late Bernice L. Lerner), Joan and Thomas G. Bigley, and Barbara S. and Herbert S. Shear. Inductees not present or represented by family members in the photograph included the late Barbara G. Berenfield, Albert B. Ferguson Jr. and the late Louise E. Ferguson, George Davidson Jr. and Ada Davidson, David S. and Cynthia D. Shapira, the late May M. Gregg and the late Richard F. Gregg, and the late Hon. J. Quint Salmon and the late Anne Salmon.

By Seán O'Donnell

More than 150 people gathered on June 22 in the Cathedral of Learning Commons Room for the induction of the Cathedral of Learning Society's newest members. Chancellor Mark A. Nordenberg and other senior University leaders inducted the donors into

the society, which was established in 1999 to recognize individuals who have made lifetime gifts of \$1 million or more to Pitt.

"As the centerpiece of our campus, the Cathedral of Learning is a beacon for those seeking the highest quality higher

education from a world-class university," said Nordenberg. "The exceptional generosity of the members of our Cathedral of Learning Society, as well as their belief in

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Susan G. Amara



Jennifer Grandis



George Michalopoulos



Andrew B. Peitzman



Sanjeev G. Shroff



Larry Shuman

Amara, Grandis, Michalopoulos, Peitzman, Shroff Are Named Distinguished Professors; Shuman Named Distinguished Service Professor

By B. Rose Huber

The University of Pittsburgh is honoring six faculty members this month by naming five of them Distinguished Professors and one of them Distinguished Service Professor.

The honorees and their new titles are: Susan G. Amara, Distinguished Professor of Neurobiology; Jennifer Grandis, Distinguished Professor of Otolaryngology; George Michalopoulos, Distinguished Professor of Pathology; Andrew B. Peitzman, Distinguished Professor of Surgery; Sanjeev G. Shroff, Distinguished Professor of Bioengineering; and Larry Shuman, Distinguished Service Professor of Industrial Engineering.

The rank of Distinguished Professor recognizes extraordinary, internationally recognized scholarly attainment in an individual discipline or field. The title

of Distinguished Service Professor recognizes distinctive contributions and outstanding service (e.g., professional, regional, national, international) to the University community in support of its multifaceted teaching/research/service mission, as well as performance excellence in the faculty member's department or school and national stature in his or her discipline or field.

Pitt Chancellor Mark A. Nordenberg made the appointments based on the recommendations of Pitt Provost and Senior Vice Chancellor Patricia E. Beeson. The appointment of Amara, Grandis, Michalopoulos, and Peitzman were effective July 1. Shroff and Shuman's appointments will be effective Sept. 1.

Brief biographies of the honorees follow.

Susan G. Amara is the Thomas Detre Professor and Chair of the School of Medicine's Department of Neurobiology and codirector of the Center for Neuroscience at the University of Pittsburgh. In the late 1980s, Amara's Yale University lab was the first to clone the norepinephrine and dopamine transporters, two of many molecules that regulate neurotransmitter concentrations within the brain. Since then, her work has produced significant insights into the structure, function and biology of neurotransmitter transporters, with implications for understanding addiction, antidepressant action, and degenerative brain conditions.

Amara, who joined the Pitt faculty in 2003, also holds a secondary appointment

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A Triumphant Year For Pitt Despite Daunting Challenges

This is the print version of Chancellor Mark A. Nordenberg's Annual Report to Pitt's Board of Trustees, delivered June 22, 2012.

Challenging Times

Late last week [June 14], the National Research Council released a Congressionally requested report. It is entitled, *Research Universities and the Future of America*, and was written by a 22-person, blue-ribbon committee chaired by the former CEO of DuPont.

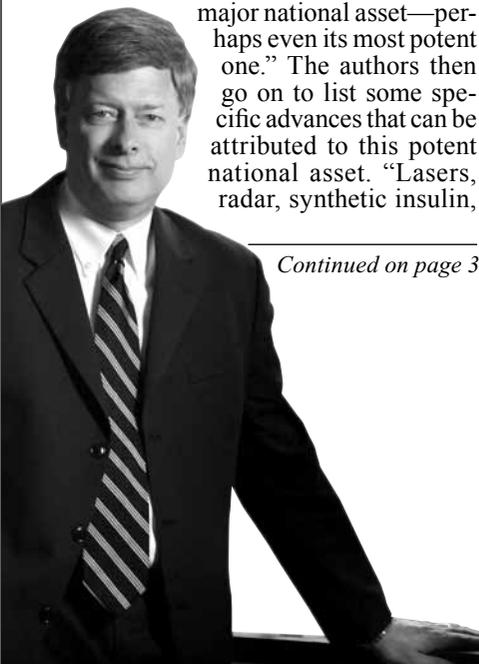
The introductory pages of that document are so rich in relevant material that, if we had the time, I would just read several pages, in their entirety, to you. Instead, let me share some briefer excerpts. This is how the report begins:

"America is driven by innovation—advances in ideas, products, and processes that create new industries and jobs, contribute to our nation's health and security, and support a high standard of living. In the past half-century, innovation itself has been increasingly driven by educated people and the knowledge they produce. Our nation's primary source of both new knowledge and graduates with advanced skills continues to be our research universities.

"However, these institutions now face an array of challenges, from unstable revenue streams and antiquated policies and practices to increasing competition from universities abroad. It is essential that we as a nation reaffirm and revitalize the unique partnership that has long existed among research universities, the federal government, the states, and philanthropy, and strengthen its links with business and industry. In doing so, we will encourage the innovation that leads to high-quality jobs, increased incomes, and security, health, and prosperity for our nation."

Those are powerful words, and they frame a consistent theme. In the very next paragraph, in fact, the report refers to

research universities as "a major national asset—perhaps even its most potent one." The authors then go on to list some specific advances that can be attributed to this potent national asset. "Lasers, radar, synthetic insulin,



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National Research Council Committee Chaired by Alan Lesgold Addresses National Adult Literacy Crisis

By Patricia Lomando White

With more than 90 million U.S. adults lacking the literacy skills needed to lead fully productive and secure lives, the U.S. Department of Education called on the National Research Council (NRC) to review the problem and suggest solutions.

Because adults with low levels of literacy have lower rates of participation in the labor force, earn less than those with higher levels of literacy, and have less ability to access, read, and use health information, their contributions to the nation's economy tend to be limited and their care is often financed by the nation's taxpayers.

The NRC Committee on Adolescent and Adult Literacy, a committee of experts headed by Alan Lesgold, dean of the University of Pittsburgh School of Education, recently released an NRC report that recommends the development of more effective training programs to teach adult literacy, more use of technologies so adults can practice reading and writing at home, and the allocation of resources to make it possible for illiterate adults to become literate, contributing members of society. The committee also recommended better training for adult literacy instructors, better tailoring of courses for English language learners to build on the literacy skills some of them have in other languages, and more research focused specifically on adult literacy learners.

Titled "Improving Adult Literacy: Options for Practice and Research," the report examined general research on how people learn, on teaching reading and writing to younger populations, and on teaching spoken language. But, according to Lesgold, "Today's literacy courses aren't adapted to the needs of adults who have literacy learning issues. The courses are hard to get to, often taught at locations not easily accessible by poor people. Also, because these folks are lucky if they have full-time minimum-wage jobs—and too often have to work two or three part-time minimum-wage jobs—they tend not to persist in classes long enough to read and write well. Therefore they need help with childcare and transportation costs and supplemental online technology so they can spend more time learning and less on long bus trips to classes."

Integral to the development of an effective adult literacy-teaching program will be research, Lesgold adds, noting that currently those who teach literacy to adults have received no specialized training in that area. Almost all research on effective literacy teaching studied elementary, high school, and college students, not older adults. What has been inferred from studies of these other groups needs to be tested for effectiveness on adults who need to improve their reading and writing skills.

Another important factor is illiteracy's cost to society. According to Lesgold, about \$600 is now spent per adult literacy student taking classes at a community college or local public school, too often with inadequate results. Adults who lack literacy and who have less than a high school education often are a societal cost—they receive more money from the government

than they pay in taxes. A person who graduates from high school may break even, contributing as much in taxes as he or she takes from the government. Once people get more than a high school education, there is a much higher likelihood that their incomes add to the tax base rather than take from it.

"If you spent \$10,000 on each illiterate adult student—the cost now spent on one year of high school for a teenager—instead of \$600, the return on investment in more taxes and less health and welfare payments over the course of a worker's life would be 12 percent a year, and I don't know of any other way that the government could earn 12 percent a year outside of printing money," said Lesgold. "Such an investment would result in increased tax revenue instead of the billions of dollars massive illiteracy currently costs us."

The committee also notes that implementing these recommendations will require leadership from the U.S. Department of Education, the U.S. Department of Labor, and other sponsoring agencies as well as the enlistment of business leaders and community groups in the effort.

The new NRC report was released recently at a Washington, D.C., meeting attended by, in addition to Lesgold, Brenda Dann-Messier, assistant secretary for Vocational and Adult Education in the U.S. Department of Education; Roberto Rodriguez, special assistant to the president for education in the White House Domestic Policy Council; Henry Kelly, senior advisor to the president's science advisor in the Office of Science and Technology Policy; Josephine Reed-Taylor, deputy commissioner of the Technical College System of Georgia; and Andrés Henriquez, program officer in the education division of the Carnegie Corporation of New York.

A professor in Pitt's School of Education, Lesgold also is a professor of psychology and intelligent systems at Pitt. His organizational involvement includes being a Lifetime National Associate of the National Research Council (National Academies), fellow of the American Psychological Association (APA) in experimental, applied, and educational psychology, and a member of the Association for Psychological Science and the American Educational Research Association. In 2001, Lesgold received the APA award for distinguished contributions of applications of psychology to education and training, and, in 1995, he was awarded the Educom Medal. Lesgold served as president of the Applied Cognitive Psychology division of the International Association for Applied Psychology from 2002 to 2006. He also was appointed by then-Pennsylvania Governor Edward G. Rendell as a member of the Governor's Commission on Preparing America's Teachers in 2005 and served on the state's commission on cyber high schools. Lesgold serves on the board of A+ Schools and has served on the board of Youthworks.

Lesgold received his Ph.D. in psychology from Stanford University in 1971 and holds an honorary doctorate from the Open University of the Netherlands.



Alan Lesgold

Titled "Improving Adult Literacy: Options for Practice and Research," the report examined general research on how people learn, on teaching reading and writing to younger populations, and on teaching spoken language.



Four Pitt Students Receive 2012 David L. Boren Awards for International Study

By Patricia Lomando White

Three students from the University of Pittsburgh's Kenneth P. Dietrich School of Arts and Sciences—Noah Haibach, Arielle Ross, and Devani Whitehead—have received 2012 David L. Boren Scholarships, and Pitt School of Law and Graduate School of Public and International Affairs (GSPIA) student Lauren McChesney has been awarded a 2012 David L. Boren Fellowship, all for international study. This is the second year in a row that the law school has had a Boren fellow. Haibach will study in Turkey, Ross in Israel, Whitehead in Brazil, and McChesney in Peru.

For the fourth consecutive year, the Institute of International Education, which administers the awards on behalf of the National Security Education Program (NSEP), received a record number of applications for both the undergraduate Boren Scholarship and the graduate Boren Fellowship. This year, 1,014 undergraduate students applied for the Boren Scholarship, with 161 awarded, and 575 graduate students applied for the Boren Fellowship, with 119 awarded.

This is the 10th consecutive year that at least one Pitt student has been awarded the honor. Since 1997, 29 Pitt students have received Boren Scholarships and 19 graduate students have received Boren Fellowships.

Haibach, from Forest Hills, a suburb of Pittsburgh, Pa., will be a Pitt senior this fall, majoring in mathematics and economics. He will spend one year at Bogazici University in Istanbul, attending the Summer Language and Cultural Program for accelerated Turkish language and, the following two semesters, will take classes in Turkish, international trade, and statistics. He also plans to do an internship with an international trade-consulting firm. His future plans include graduating from Pitt with a BS degree, fulfilling his Boren service requirement with the U.S. Department of State or Department of Defense, and earning a master's degree in either econometrics or applied statistics.

Ross, a Pitt senior from Buffalo, N.Y., is majoring in political science and interna-

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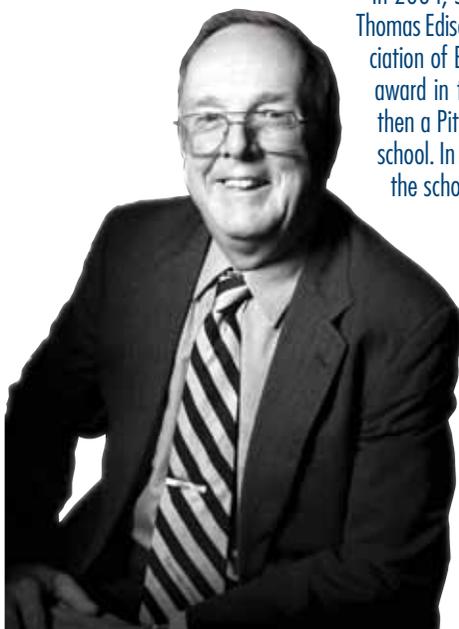
225 Stories to Celebrate

Swanson: Engineering Product Simulations

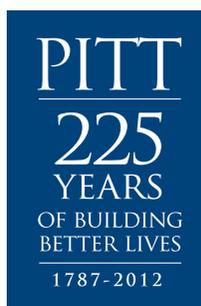
How will heat transfer from one component to another? What is the most efficient shape for a given part? Before John A. Swanson, engineers had to complete tedious calculations to answer these questions.

Swanson envisioned a versatile, integrated computer program that could answer a wide array of engineering questions. When his employer wouldn't let him pursue it, Swanson quit and launched his own company. Founded in 1970, only four years after he graduated from Pitt's School of Engineering with his PhD, the company—ANSYS, Inc.—markets a software code that Swanson created for use by aerospace, automotive, biomedical, manufacturing, and electronics industries to simulate how product design will behave in real-world environments.

In 2004, Swanson joined the likes of Alexander Graham Bell, Thomas Edison, and Orville Wright in receiving the American Association of Engineering Societies' John Fritz Medal, the highest award in the engineering profession. In 2007, Swanson (by then a Pitt trustee) donated \$41.3 million to the engineering school. In recognition of his generosity, the University renamed the school the John A. Swanson School of Engineering.



For more stories about Pitt's legacy of achievement or to share your own stories about the University, visit www.225.pitt.edu.



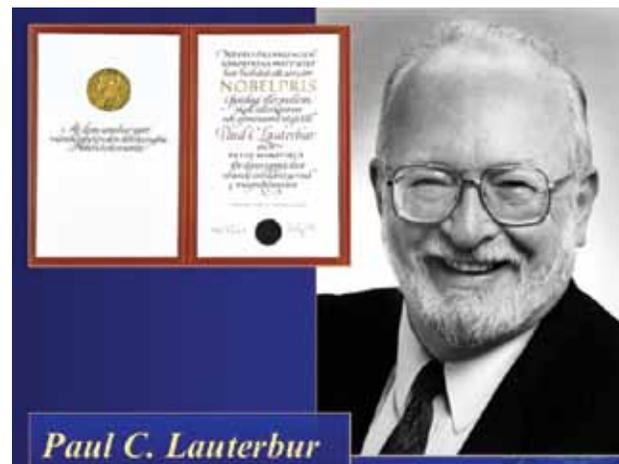
A Triumphant Year for Pitt Despite Daunting Challenges

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blood thinners, magnetic resonance imaging, computers, and rocket fuel are among the countless innovations in which university research has played an essential role.”

Some of you may recall that when the Association of American Universities (AAU) celebrated its centennial it highlighted three advances illustrating the profound impact of a century of university research. Its choices were space exploration, the computer revolution, and the Salk polio vaccine—which won this country’s war against that dread disease and was developed by a Pitt faculty team on this very campus. That listing, by a group as distinguished as the AAU, was a source of special pride for our University.

So is the National Research Council’s (NRC) list. It was a team led by Pitt professor Panayotis Katsoyannis that first synthesized insulin in labs on this campus. And building on work begun during his days as a graduate student here, Pitt alumnus Paul Lauterbur played a



Paul C. Lauterbur



key role in developing the science upon which magnetic resonance imaging was built—work for which he was awarded the Nobel Prize in Medicine.

On the AAU’s centennial list, then, Pitt could claim one of three highlighted advances, and from the NRC’s list, Pitt is closely linked to two of seven. Given all of the research triumphs from which these entries were chosen, that level of Pitt connection is remarkable.

After laying that inspiring foundation, though, the National Research Council creates a different kind of list by cataloguing the critical challenges facing America’s research universities today. Though we are affected by them all, we know one particularly well. As stated in the report, “State funding for higher education, already eroding in real terms for more than two decades, has been cut further during the recent recession.”

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“In valor there is hope.”

Chancellor, Board of Trustees Recognize Bravery of Pitt Police

This is the print version of Chancellor Mark A. Nordenberg’s recognition of the bravery and valor of the Pitt Police who responded to the March 8, 2012, shooting at Western Psychiatric Institute and Clinic (WPIC). This presentation was made during the June 22 Board of Trustees meeting.

Let me begin by stating that I have the strongest feelings of respect, affection, and gratitude for our University of Pittsburgh Police. And those already strong feelings have deepened over the course of recent months—not only for me, but for the entire University community.

Campus policing is a form of law enforcement that takes an unusual combination of professional abilities and personal qualities. That is particularly true for a university of Pitt’s size located in a major city setting. We have more than 27,000 students on our Pittsburgh campus. Most of them are young, and large numbers of them are experiencing the exhilarating freedom of being truly away from home for the first time. Not surprisingly, they do not always act like fully mature adults. For our police officers, this means that every day brings far more “blurry lines” than you would see in almost any other setting.

But our police officers also provide much of the general policing for an urban area that is the third-busiest commercial district in Pennsylvania, trailing only Center City Philadelphia and Downtown Pittsburgh. But just to say that Oakland is “busy” does not fully describe it. It is both the site of some of the most wonderful work done anywhere on the face of the earth, and it sometimes is a magnet for bad people intending to do bad things.

Our University has the third-largest police department in Allegheny County. In the opinions of most and to the credit of a number of people, including Executive Vice Chancellor Jerry Cochran, it also is one of the best-trained departments anywhere. Our officers train for situations that they hope will never



Pitt’s Board of Trustees recognized the University’s police force for its bravery in the handling of the March 8 shooting at Western Psychiatric Institute and Clinic. In the front row, from left, are Lt. Holly Lamb, Officer Brian Turak, Sgt. Daniel Papale, Lt. David Basile, Officer Ronald Bennett, and Chief Tim Delaney. In the back row, from left, are Commander Shawn Ellies, Officer Joshua Acre, Officer Joseph Washinski, Officer Brian Veze, and Officer Thomas Laski. Officers Guy Johnson and Stephen Tomovich were also recognized, but were unable to attend the board meeting.

arise. In fact, in the 17 years that I have been Chancellor, no Pitt Police officer had fired his or her gun in the line of duty until March 8, 2012.

I continue to be overwhelmed when I think about the terrible things that could have happened at Western Psychiatric Institute and Clinic if our officers had not arrived so quickly. On that horrifying day, all the good that normally comes from a neighborhood dedicated to education and healing was shattered by the actions of one single person. Were it not for the swift and effective actions of the first responders—our Pitt Police—the list of casualties might have increased to an unimaginable level.

To give just one example, about a month after the shootings at WPIC, I received a letter from a judge from Westmoreland County. He is someone I have known for 30 years; he is a longtime member of the Pitt-Greensburg

Advisory Board; and when we honored him as a Legacy Laureate, I had the chance to meet other members of his family.

What the judge told me in his letter was that one of his sons whom I had met, a fellow in the Child and Adolescent Psychiatry Program, was concealed in his first-floor office as the shooter discharged 20 or 30 shots in the hallway just outside his office door. We do not know how many stories, like this one, would have ended in a different way without the effective intervention of our police, but most of us are convinced those numbers would not have been small.

Standing sentry along the pathways leading to the National Law Enforcement Officers Memorial in our nation’s capital are four bronze sculptures of lions watching over their cubs—a strong symbol of “the strength, courage, and valor that are hallmarks of those who serve

and protect.” Beneath one of those lions are the words that captured the actions of our Pitt Police on March 8: “In valor there is hope.”

When our officers entered the Western Psychiatric Institute and Clinic, they brought hope to the innocent bystanders under siege. They risked their own lives by moving to deal with a dangerous situation. Their actions were a product of their courage, skill, and training and are a testament to the professionalism of the entire Pitt Police force, which we see so vividly every day.

On behalf of the University of Pittsburgh, the Board of Trustees wishes to publicly express—to the involved officers and to the entire department—not only the pride we have in you, but the gratitude we have for your bravery on March 8—and every other day.

JIM BURKE/COPE

A Triumphant Year for Pitt Despite Daunting Challenges

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"Dramatically Disproportionate" Proposed Budget Cuts Will Hurt Pitt's Mission and Impact as Economic Engine, Chancellor Says



This fiscal year, we have been faced with two state funding challenges. One has been coping with reductions imposed for the current fiscal year. Remember that the original state budget cut our basic appropriations by 22 percent, or about \$40 million. Then, in the fall, 50 percent of our capital projects support, or another \$20 million, was taken from us, and, in January, we were directed to place an additional 5 percent, or \$7 million, into "budgetary reserve." That totals \$67 million in reductions to state support in the current fiscal year.

But the bad news continued when the governor proposed an additional set of deep and disproportionate cuts for the next fiscal year, which begins in less than 10

Fiscal Year 2012 Appropriation Cut
\$40 Million

Fiscal Year 2012 Capital Projects Cut
\$20 Million

days [July 1]. Much of our energy during the past few months, then, has been invested in advocating against these cuts.



Pitt Chancellor's Scholar Wins Udall Scholarship
 By Patricia Lomax White

Between budget cuts and bomb threats, it would be easy to characterize this year as a time of major problems for Pitt. That would not be inaccurate, but if we stopped there, we would miss a very important point. Even in the face of those challenges the "people of Pitt" were able to maintain our momentum by crafting another year of remarkable accomplishments. Let me provide just some of the highlights.

Inspiring Students

We opened the year in the very good company of our best-credentialed freshman class ever, drawn from the largest applicant pool in our history. The contrast—going back to 1995, when the most senior among us began working together—is stark. In 1995, we had 7,825 applicants; this past year, we had 23,409 applicants. In 1995, the average SAT score for the incoming class was 1110; for this year's entering class, it was 1280. In 1995, 19 percent of the entering class ranked in the top 10 percent of their high school graduating classes; by this year, that number had climbed to 53 percent.

We welcomed close to 4,000 new students and family members at our Freshman Convocation, and then everyone got to work, building a continuing record of distinction.

In the fall, to give one shining example, Corey Rodgers—a first-generation university student from Somerset, Pa.—became one of just 32 students nationally to be named a 2012 Rhodes Scholar. He is our fourth Rhodes Scholar since 2005—a record equaled by only

When it comes to education, our mission is to give all of our students the chance to be the best that they can be in everything that they do. If we do that job well, then some of our best will become among the best that anyone can be. This remarkable record of student accomplishment reflects the exceptional levels of learning and growth that are occurring in this institution and suggests that we are advancing that critical mission very effectively.

one other public university, the University of North Carolina.

This spring, three Pitt students were selected to receive Goldwater Scholarships, the highest honor available to American undergraduates studying science, engineer-

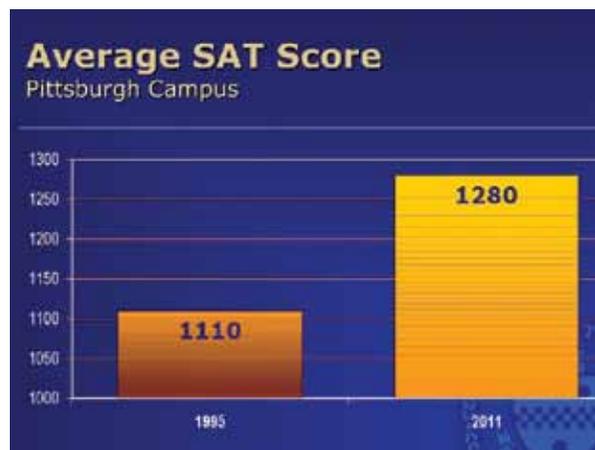
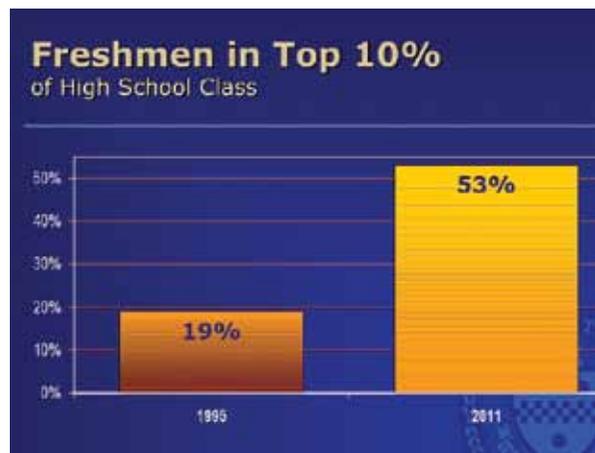
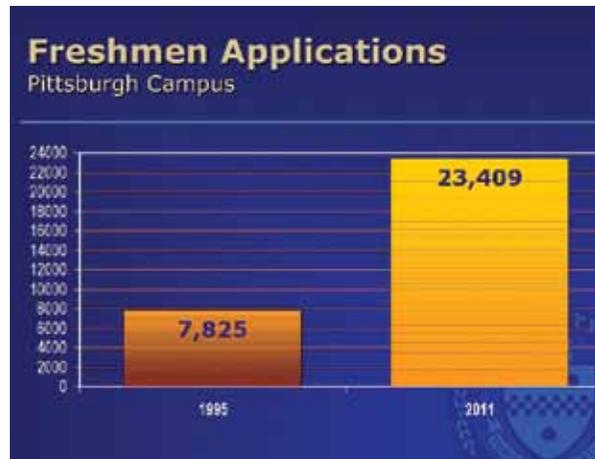
Total Cut in State Support for Fiscal Year 2012
\$67 Million

ing or math. No university can nominate more than four students for a Goldwater Scholarship, so to have three students actually selected is a real coup. And this brings our total of Goldwater Scholars since 1995 to 38, an average of well in excess of two per year.

Three Pitt seniors, all from the Swanson School of Engineering, were among just 45 students nationally to receive 2012 Whitaker International Pre-Doctoral Fellowships, which are designed to bring international insights and experience to bioengineering.

Three graduating seniors and three Pitt graduate students were awarded National Science Foundation Graduate Research Fellowships, the oldest graduate fellowships of their kind, with a long history of selecting recipients who achieve high levels of suc-

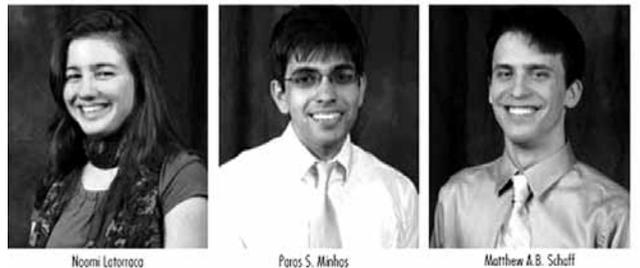
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Rhodes Scholars

Three Pitt Students Receive Goldwater Scholarships

The winners bring Pitt's total number of Goldwater Scholars since 1995 to 38



Pitt Is Again a Top Producer of Fulbright Grant Winners

For the second consecutive year, the University of Pittsburgh is a top producer of Fulbright U.S. Student Program grant winners among research universities, placing 7th among U.S. public research universities and 17th among all U.S. universities, public and private, outperforming its 2010 record, when it placed 12th among publics and 27th among all U.S. universities.

This year of Pitt's 38 applicants, 14 Pitt students—nine undergraduates and five graduate students—won Fulbrights, the most in-

scored higher, for instance, than Bradley, Notre Dame, Emory, Wisconsin, Washington University in St. Louis, Williams and Mary, Duke, UCLA, and NYU. Among the other research institutions in the top 17 spots were Michigan, Northwestern, Yale, Stanford, Chicago, Washington, Columbia, Harvard, North Carolina, and Johns Hopkins.

The award is granted through the U.S. Department of State and the J. William Fulbright Foreign Scholarship Board. More than 1,600 U.S. citizens are traveling abroad for the 2011-12

most of the History of Art and Architecture, received the only Bulgaria-Romania grant offered. Poiana Goculescu (A&S '11) earned one of only two M.A. English Teaching Assistant spots offered, and Kaon Moku (A&S '09, ENGR '11) was selected for one of only two placements available in Slovakia.

In addition, Jonas Cahall, a 2010 College of General Studies (CGS) graduate, who earned his B.Phil through Pitt's Honors College, is the first CGS student to win a Fulbright award. He is studying in the United Kingdom (UK).

Of the approximately 800 applicants for the UK Fulbright—the largest pool of applicants for any country—only 38 were awarded.

A list of this year's Pitt undergraduate recipients as well as their areas of study

A Triumphant Year for Pitt Despite Daunting Challenges

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Pitt Students Receive National Science Foundation Graduate Research Fellowships

By Patricia Lomando White

University of Pittsburgh graduating seniors and current graduate students have been named recipients of National Science Foundation (NSF) Graduate Research Fellowships through the Graduate Research Fellowship Program (GRFP). The six fellowship awards go to three new Pitt graduates and to three students who are pursuing graduate studies at Pitt.

Fellows receive a three-year annual stipend of \$30,000 along with a \$10,500 cost-of-education allowance for tuition and fees, international research and

Pitt Faculty Member Elodie Ghedin, Alumnus Kevin Guskiewicz Named MacArthur Fellows




Elodie Ghedin is a research and clinical scientist who has made major advances in the diagnosis, treatment, and prevention of sports-related concussions. Each year, approximately 1.5 million athletes in the United States experience mild traumatic brain injuries, or concussions. Through a combination of laboratory and on-the-field research, Ghedin has played an important role in raising awareness about the prevalence and dangers of sports-related brain injuries in both professional and youth athletes.

Kevin Guskiewicz is a researcher and elite-level coach who has made major advances in the diagnosis, treatment, and prevention of sports-related concussions. Each year, approximately 1.5 million athletes in the United States experience mild traumatic brain injuries, or concussions. Through a combination of laboratory and on-the-field research, Guskiewicz has played an important role in raising awareness about the prevalence and dangers of sports-related brain injuries in both professional and youth athletes.

Guskiewicz's recent work focuses on the cumulative effects of repetitive, sub-threshold brain impacts. Using accelerometers embedded in the helmets of college football and youth hockey players, he and colleagues are investigating the relationship between repetitive and

Chang, Moore, and Strick Are Elected To National Academy of Sciences





Yoon Chang, Distinguished Professor in the Department of Neurobiology, whose focus is on understanding the neural circuitry that controls voluntary movement.

The three Pitt Distinguished Professors were among 84 new members and 21 foreign associates from 15 countries who were recognized this year for "their distinguished and continuing achievements in original research," according to the NAS's announcement, which added, "Election to the Academy is considered one of the highest honors that can be accorded a U.S. scientist or engineer."

Pitt had the third-highest number of newly elected members of the National Academy of Sciences among U.S. institutions of higher education, tied with Columbia University, Johns Hopkins University, the Massachusetts Institute of Technology, the University of California-San Diego, the University of Pennsylvania, and the University of Washington. Among the universities

cess in their future academic and professional careers.

- Pitt once again was recognized as one of the country's top producers of Fulbright awards, with 14 Pitt students—nine undergraduates and five graduate students—successfully competing for this honor, jointly awarded by the State Department and the Fulbright Foreign Scholarship Board;
- And among many other high honors, our students claimed a Udall Scholarship; a Woodrow Wilson-Rockefeller Brothers Fund Teaching Fellowship, one of just 25 awarded nationally; a Humanity in Action Fellowship, for the seventh consecutive year; and two German Academic Exchange Service awards for study or research in Germany.

When it comes to education, our mission is to give all of our students the chance to be the best that they can be in everything that they do. If we do that job well, then some of our best will become among the best that anyone can be. This remarkable record of student accomplishment reflects the exceptional levels of learning and growth that are occurring in this institution and suggests that we are advancing that critical mission very effectively.

Professors Davidson and South-Paul, Alum Gitlin, and Residency Alum Offit Elected to IOM






Two University of Pittsburgh faculty members, an alumnus of Pitt's School of Medicine and School of Arts and Sciences, and a medical researcher who completed his residency training at Children's Hospital of Pittsburgh of UPMC have been elected to the Institute of Medicine (IOM).

Nancy L. Davidson, Hillman Professor of Oncology and director of the University of Pittsburgh Cancer Institute, and Jeannette I. South-Paul, who also is a Pitt graduate and who holds the Drew Mathieson Professorship and chairs our Department of Family Medicine.

Each of these new members stands out as a professional whose

Savio Woo Receives 2012 IEEE Gold Medal For Innovations in Healthcare Technology



"Savio Woo is a great scientist and engineer. Dr. Woo has previously been awarded the Olympic Gold Medal in Sports Medicine, the only engineer ever to be so recognized, and this award cements his status as one of the leading healthcare engineers in the world."

Just a few weeks later, we learned that two Pitt faculty members and two Pitt graduates had been elected to the prestigious Institute of Medicine. The faculty members are Nancy Davidson, the Hillman Professor of Oncology and director of the University of Pittsburgh Cancer Institute, and Jeannette South-Paul, who also is a Pitt graduate and who holds the Drew Mathieson Professorship and chairs our Department of Family Medicine.

High-Achieving Faculty and Graduates

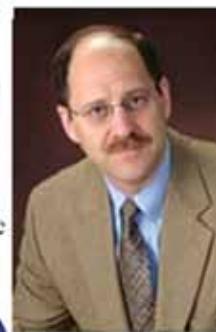
The more professionally mature members of the "Pitt family"—faculty and alumni—also continued to build a remarkable record of achievement and impact.

- Very early in the academic year, we learned that two of just 22 national recipients of what are commonly known as MacArthur Foundation "genius grants"—awarded for exceptional creativity and the promise for future accomplishments that will benefit human society—were claimed by "Pitt people." One grant was awarded to Professor Elodie Ghedin, a parasitologist and virologist in our School of Medicine, who studies the mechanisms employed by parasites to sicken and kill large numbers of people inflicted with dread infectious diseases. The other was awarded to Kevin Guskiewicz, who earned a graduate degree from our School of Education and is the Kenan Distinguished Professor and founding director of the Gfeller Sport-Related Traumatic Brain Injury Research Center at the University of North Carolina.
- Just a few weeks later, we learned that two Pitt faculty members and two Pitt graduates had been elected to the prestigious Institute of Medicine. The faculty members are Nancy Davidson, the Hillman Professor of Oncology and director of the University of Pittsburgh Cancer Institute, and Jeannette South-Paul, who also is a Pitt graduate and who holds the Drew Mathieson Professorship and chairs our Department of Family

Medicine. The other Pitt graduates elected were Jonathon Gitlin, the James Overall Professor and Chair of Pediatrics at Vanderbilt, and Paul Offit, professor of pediatrics at Penn and chief of the Section of Infectious Diseases and director of the Vaccine Education Center at the Children's Hospital of Philadelphia.

- Showing the strength that we continue to build in our more junior faculty ranks, in October, Professor Steven Little, of the Swanson School, received a 2012 Young Investigator Award from the Society of Biomaterials, recognizing his outstanding achievements in that field. In May, Professor Little received the Camille Dreyfus Teacher-Scholar Award, which carries a \$75,000 prize and honors demonstrated leadership in education and research in chemical sciences, including chemical engineering. Recently, Professor Little also was named the chair of the Swanson School's Department of Chemical Engineering.
- Also in October, David Perlmutter, the Vira Heinz Professor and chair of the Department of Pediatrics, received the 2011 Shwachman Award from the North American Society for Pediatric Gastroenterology, Hepatology, and Nutrition in recognition of his lifelong scientific and educational contributions to the field.
- One month later, former MacArthur

David H. Perlmutter, the Vira I. Heinz Professor and Chair of the Department of Pediatrics at the University of Pittsburgh School of Medicine and scientific director and physician-in-chief at Children's Hospital of Pittsburgh of UPMC, has received the 2011 Shwachman Award from the North American Society for Pediatric Gastroenterology, Hepatology, and Nutrition (NASPGHAN). The Shwachman Award is given annually to an individual who has made major, lifelong scientific or educational contributions to the field of

“genius award” winner, Pitt alumnus and Pitt Trustee Bill Strickland, traveled to Japan to receive the 2011 Goi Peace Award for his contributions toward the realization of a peaceful and harmonious world for humanity and for all life on earth. Past recipients of this prestigious award have included Bill Gates and former Costa Rican President and Nobel Peace Prize winner Oscar Arias.

- As the year progressed, Anthony Grace, Distinguished Professor of Neuroscience, and Christian Schunn, professor of psychology—both in the Dietrich School of Arts and Sciences—were named Fellows of

the American Association for the Advancement of Science.

- Early in the new year, something really remarkable occurred. The Society of Critical Care Medicine selected 20 world-renowned intensivists to be the first to receive its highest honor—designation as a Master in Critical Care Medicine. Seven of the 20 members of that inaugural class of honorees came from Pitt. That group included four active members of our medical school faculty: Derek Angus, the current chair of the department, who also holds the Mitchell Fink Endowed Chair; Patrick Kochanek, the director of the Safar Center for Resuscitation Research; Michael Pinsky, the department's vice chair for academic affairs and currently the president of the University Senate; and Ann Thompson, the department's vice chair for faculty affairs and associate dean for faculty affairs in the School of Medicine. Also honored were Mitchell Fink, the founding chair of the department, and two true legends, Distinguished Service Professor Emeritus

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A Triumphant Year for Pitt Despite Daunting Challenges

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Ake Grenvik, and the late Peter Safar, widely known as the “father of CPR” and one of the great Pitt faculty members of all time.

• As the new year continued to unfold, Distinguished University Professor Savio Woo, from the Swanson School, received the 2012 Gold Medal for Innovations in Healthcare Technology from the Institute of Electrical and Electronics Engineers for his “pivotal contributions to biomechanics and its application to orthopaedic surgery and sports medicine.”

• John Wallace, who holds the Philip Hallen Chair in our School of Social Work, received the 2012 Urban Affairs Association—SAGE Marilyn J. Gittell Activist Scholar Award in recognition of his work in establishing the Homewood Children’s Village here in Pittsburgh.

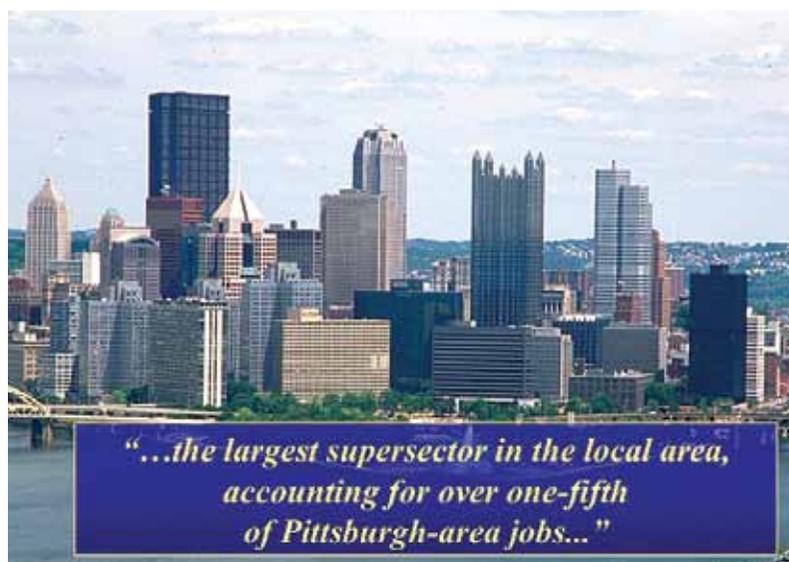
• Sanford Asher, Distinguished Professor of Chemistry, received the fourth annual Charles E. Kaufman Award from the Pittsburgh Foundation in recognition of his “substantial contributions to science for both the betterment and understanding of human life.”

• Then, in early May, we learned that three of our faculty members—Yuan Chang, Distinguished Professor and American Cancer Society Professor in the Department of Pathology in our School of Medicine; Patrick Moore, Distinguished Professor and American Cancer Society Professor in the Department of Microbiology and Molecular Genetics in our School of Medicine; and Peter Strick, Distinguished Professor in the Department of Neurobiology in our School of Medicine and codirector of the Center for the Neural Basis of Cognition—had been elected to membership in the National Academy of Sciences, which is one of the highest honors in the world of scientific research. Only 10 universities had three or more faculty members elected to the National Academy. Stanford led the way with six; Berkeley and Princeton had four; and Columbia, Johns Hopkins, MIT, Penn, UC-San Diego, the University of Washington and Pitt each had three.

Impressive Institutional Strength

What does all of this mean for Pitt? Most basically, it means that we continue to build impressive institutional strength. Among other things, it means that, when records of achievement are compared, we now regularly find ourselves in the company of the very universities that we most admire. And that has been one of our most fundamental, long-term goals.

It means that we are playing a key role in the growth and development of some of this country’s most hard-working, high-potential students—positioning them to lead the lives of impact that have come to characterize Pitt graduates. And remember that, just since the beginning of this new century, Pitt alumni have captured the Nobel Peace Prize, the Nobel Prize in Medicine, the Pulitzer Prize for Fiction, the National Medal of Science, the National Book Award, the Fritz Medal in Engineering, the Shaw and Albany Prizes in Medicine, and many other high honors.



That is an extraordinary record—and it means something to current students, in shaping their own ambitions, to know that Pitt alumni have achieved so much.

It means that our faculty members, across a range of disciplines, are engaged in some of the most impressive work being done anywhere in the world. Hopefully, some sense of that was conveyed as I provided an overview of some of the awards bestowed on faculty members during the past academic year.

But a quick look at the work of our three new members of the National Academy underscores that point. Professors Chang and Moore have discovered two of the seven known cancer-causing viruses—one that causes the most common cancer in AIDS patients and the other that causes a particularly deadly form of skin cancer. Professor Strick studies the neural circuits that are responsible for the control of voluntary movement, cognition and affect. Those same circuits, when dysfunctional, could be responsible for the symptoms of such behavioral illnesses as schizophrenia, obsessive-compulsive disorder, depression, and autism.

What this amazing record also means is that Pitt has become a global powerhouse of pioneering research. Looking just at the numbers, when we closed the books on the last fiscal year we were able to report that our research expenditures had exceeded \$800 million.

What that huge number means, in the comparative sense, became clear last month, when the National Science Founda-

tion released its annual listing of American universities by total federal science and engineering research and development support. Pitt was in the top five—along with Johns Hopkins and the Universities of Washington, Michigan, and Pennsylvania. The next five universities were Stanford, the University of California at San Diego, Columbia, North Carolina, and Wisconsin. As noted above, this is great company, just the kind that we want to be keeping.

And to be clear, this is not the ranking based solely on National Institutes of Health funding, where we have regularly appeared in the top five in recent years. This is total federal grant support, where we never before have cracked the top five. In fact, some members of this Board may recall that in 2000 we had climbed up to 20th place on this list and decided, as what we thought was a stretch goal, to try working our way up to 16th in five years. Obviously, we did that and more. And when you think of the quality of the universities we have passed, every step up that ladder has been a real sign of growing strength.

That \$800 million figure also is one indicator of our impact on the regional economy. Those dollars alone support, directly and indirectly, some 28,000 local jobs. And Pitt sits at the heart of what the U.S. Department of Labor calls the education and health services “super-

These levels of accomplishment and impact also have helped drive our very successful efforts to generate higher levels of private support for Pitt. As I talked about the achievements of students and faculty, I made frequent reference to the Swanson and Dietrich Schools. John [Swanson], of course, is with us and hopefully feels a well deserved sense of pride in hearing references to some of the many good things now being done by those in the school that bears his name. Bill [Dietrich] no longer sits with us at this table, but we cannot forget that this year was launched with the news of his extraordinary gift to Pitt, one that will help power future successes in both education and research.

Vascular Medicine Institute at University of Pittsburgh Receives Up To \$15 Million in Continued Funding

PITTSBURGH, Nov. 18, 2011 – The Vascular Medicine Institute (VMI) of the University of Pittsburgh School of Medicine today received a new commitment of up to \$7.5 million from the Blood Science Foundation and the Institute for Transfusion Medicine (ITxM), as well as an additional commitment of up to \$7.5 million in a phased, five-year renewal from The Hemophilia Center of Western Pennsylvania (HCWP).

Prior commitments of \$7.5 million each from ITxM and HCWP supported the establishment of VMI in 2008 and have fostered its development as a national leader in vascular biology research.

After a ceremony on Friday, Nov. 18, Pitt Levine, M.D., senior vice chancellor for the School of Medicine; Steven D. Shapiro, M.D., UPMB officer; ITxM President and Chief Executive



sector,” which now is responsible for more than one in every five jobs in the Greater Pittsburgh region.

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The R.K. Mellon Foundation is one of Pitt’s oldest and best friends. The Institute for Transfusion Medicine and Hemophilia Center are newer friends. But the contributions made by both are more than just a reflection of friendship. Instead, these are carefully conceived investments in the future of the regional economy and the cause of human health.

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And we never can forget the many other examples of generosity, large and not-so-large, that have come from nearly 180,000 donors and have taken Pitt close to its \$2 billion capital campaign goal—a level of support that consultants would have dismissed as not achievable when we launched this effort. Among the extraordinary contributions of the past year, I need to make special refer-

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A Triumphant Year for Pitt Despite Daunting Challenges

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"...by aggressively supporting the advancement of Pitt's academic mission, we will clearly establish that this is one of the finest and most productive universities in the world."

I also do want to acknowledge the members of the Board who will be formally inducted into the Cathedral of Learning Society tonight [June 22], recognizing their contributions of \$1 million or more to Pitt. Tonight's honorees include Tom and Joan Bigley, George and Ada Davidson, Herb and Barbara Shear, and Janet Swanson—who will be inducted in John's presence but in her own right. They join a roster of distinguished trustees who earlier were recognized as Cathedral of Learning Society members. That group includes Suzy Broadhurst, Henry Hillman, John Pelusi, Dick Simmons, Chuck Steiner, John Swanson, Dick Thornburgh, and Tom Usher.

ence to the \$22 million grant made by the Richard King Mellon Foundation to our Center for Energy and the combined commitment of \$15 million, from the Institute for Transfusion Medicine and the Hemophilia Center of Western Pennsylvania, to our new Vascular Medicine Institute.

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Meeting Challenges

If our record has helped generate ever-greater levels of respect, even higher levels of research support, and record-breaking examples of philanthropy, there is one thing that it has not been able to do. That, of course, is to move beyond the yearly struggle to generate more reasonable levels of state support. That is a real concern, not only for those who care about Pitt, but for those who care about the future of our community, our Commonwealth, and our country.

Let me return, briefly, to the National Research Council's "call to action":

"We believe that America's research universities are today a key asset for our nation's future. They are so because of the considered and deliberate decisions made

in the past by policymakers, even in difficult times. Our future now depends on the willingness of our current policymakers to follow their example and make decisions that will allow us to compete, prosper, and shape our destiny."

To be clear, the report also calls upon research universities to commit to "improve management, productivity, and cost efficiency in both administration and academics." Of course, this Board very publicly made that one of Pitt's never-ending institutional priorities back in February of 1996. This language is from the resolution on operational efficiency and effectiveness passed back then:

"Institutions of higher learning are not insulated from the economic pressures that, in recent years, have affected virtually every other segment of American society. In fact, in a time when a potentially declining resource base is accompanied by increased performance expectations, it is essential that University resources be invested wisely, that programs be managed efficiently, and that the institution be positioned to meet challenges and pursue opportunities in timely and effective ways."

That is a shared commitment that has been advanced by both the Board and the senior management team. Of course, we always can do better, which is why I referred to this commitment as never-ending. However, our record of doing more with less is equal to any university in the country. Looking at things from the other side, it is difficult to examine the record of dramatically diminished public support for Pennsylvania's public research universities without wondering about the plan to keep our state competitive in the innovation economy of the 21st century.

And if implemented and proposed state budget cuts did not represent a big enough challenge, this also was the year in which we endured several weeks of unrelenting bomb threats. Those threats generated real concerns and disrupted campus life. But with a lot of help from our friends—and I cannot be too effusive in expressing gratitude to federal law enforcement, which led



"I recognize that the last few months here at the University have been difficult, with countless evacuations. Your presence here today, and that of your family and friends, reflects your resolve to challenge and overcome the efforts that have sought to disrupt student life."

Lieutenant General Patricia Horoho during her keynote address at this year's commencement ceremonies.

the investigatory efforts, and to the City of Pittsburgh and other municipalities, which provided support throughout our time of need—we made it through this period of challenge.

The fact that we endured this challenge also was a real credit to the people of Pitt. Our police, student affairs staff, and computer network professionals often were working "around the clock"; faculty and staff stepped up to help in wide-ranging ways; and our students demonstrated levels of determination and resiliency that are going to serve them well in meeting the many other challenges that await them in life. In a very real sense, we grew in strength as individuals, and we grew closer as a community.

Maintaining Momentum

This community came together, in the literal sense, at commencement. That ceremony always is special, but this year's stood out. The Petersen Events Center was packed with people who had made the decision that no one was going to keep them from celebrating this major milestone in the lives of our graduates.

Our keynote speaker, Lieutenant General Patricia Horoho—a Pitt graduate and the first woman and first nurse to be nominated by the President and confirmed by the Senate to serve as Surgeon General of the Army and Commander of the U.S. Army Medical Command—captured the spirit of the gathering in her address:

"I recognize that the last few months here at the University have been difficult, with countless evacuations. Your presence here today, and that of your family and friends, reflects your resolve to challenge and overcome the efforts that have sought to disrupt student life. You celebrate not only the

graduating class of 2012, but demonstrate the character of the University of Pittsburgh, the spirit of the city of Pittsburgh, and the resolve of America to overcome adversity."

Building on Lt. Gen. Horoho's theme, it has been said that "adversity causes some to break; others to break records." In the face of varied, and very serious, challenges, Pitt built further momentum during this past year, as it continued down its accustomed path, a path of record-breaking progress.

In traveling that path, we advanced the overarching aspiration proclaimed by this Board 12 years ago—that "[b]y aggressively supporting the advancement of Pitt's academic mission, we will clearly establish that this is one of the finest and most productive universities in the world." Like many of our other goals, that quest is both ambitious and never-ending. But when others look back on this academic year, what they will see is that a group of committed Pitt people did not permit our progress to be impeded, even by challenges that might easily have set us back.

Put another way, what was one of Pitt's most difficult years—its 225th birthday year—also was one of its most triumphant. I am grateful to you for setting an appropriately high standard so many years ago, for being consistently supportive in the face of wide-ranging challenges, and for all that you have done to help propel our already outstanding University to even greater heights.

Faced with very tough challenges, in addition to the stiff competition that always exists in the world of top research universities, the "people of Pitt" joined forces to collectively craft another year of impact and accomplishment. There could not have been a better way to celebrate our rich heritage of 225 years of building better lives.

Pitt Inducts 12 Donors Into Cathedral of Learning Society

Continued from page 1

our important educational mission, likewise is a noble pinnacle from which students, faculty, staff, and community members can draw hope and inspiration. As we celebrate our 225 years of building better lives, I am touched and humbled by these individuals' thoughtful and selfless contributions to the ongoing progress of this University."

The 2012 Cathedral of Learning Society inductees are Leonard "Len" H. Berenfield and the late Barbara G. Berenfield, Joan and Thomas G. Bigley, Ada C. and George A. Davidson Jr., Albert B. Ferguson Jr. and the late Louise E. Ferguson, the late May M. Gregg and the late Richard F. Gregg, the late Bernice L. Lerner and the late Morton "Mort" S. Lerner, the late Edgar L. Levenson, the McKamish Family, the late Anne Salmon and the late Honorable J. Quint Salmon, Cynthia D. and David S. Shapira, Barbara and Herbert S. Shear, and Janet L. Swanson.

Barbara G. and Leonard "Len" H. Berenfield

Leonard "Len" Berenfield received his bachelor's degree in mechanical engineering from the University of Pittsburgh in 1964. He completed his program in three years, spurred in part by his desire to marry fellow Peabody High School graduate Barbara Gelman.

After his graduation from Pitt, Berenfield worked for a year at Westinghouse Electric Corporation, where he designed nuclear reactor components at the Bettis Atomic Power Laboratory. He then joined Berenfield Containers, founded by his grandfather in 1914. As president and chief executive officer, Berenfield led the business through periods of remarkable growth that earned Berenfield Containers a national reputation as an innovator in industrial packaging production.

As the business expanded, the Berenfields moved to Cincinnati, dedicating themselves to their family and their community. Barbara Berenfield volunteered with such organizations as Big Brothers Big Sisters of Greater Cincinnati and the Cincinnati Art Museum, while Len Berenfield extended his expertise to community outreach organizations, including the United Way of Greater Cincinnati.

A family history of heart defects led the Berenfields to commit to supporting advances in cardiac research through the establishment of the Leonard H. Berenfield Graduate Fellowship in Bioengineering and the Berenfield Family Engineering Legacy Fund in the Pitt Swanson School of Engineering's Department of Bioengineering. With their generosity came the hope that physician-scientists could continue pioneering life-saving techniques and products like those that saved the lives of the Berenfields' son and grandson. Their support of important Pitt initiatives extended to other Swanson School programs, as well as to Pitt's Department of Athletics.

Barbara Berenfield passed away in February 2012, but the legacy of generosity that she established in life with Len Berenfield will continue to benefit students at the University of Pittsburgh well into the future.

Joan and Thomas G. Bigley

Joan and Thomas Bigley grew up in Pittsburgh's Mt. Washington neighborhood. They graduated from South Hills High School, where Thomas Bigley was a member of the school's City League championship baseball team. His performance on the baseball diamond so impressed Ralph Mitterling, head coach of the Pitt men's baseball team, that the coach offered Bigley a full scholarship to attend Pitt. Once enrolled, Bigley's involvement on campus took a wide berth: catcher on the varsity baseball team, a Pitt Pathfinder, a participant in Pitt's ROTC U.S. Air Force Reserve program, membership in numerous leadership and honor societies,

and, last but not least, a spot as a walk-on quarterback for Pitt's football team.

After Bigley earned his Pitt Bachelor of Business Administration degree in 1956, he began his career as an accountant and rose to become managing partner of Ernst & Whinney's Pittsburgh office in 1979, a role he kept when the firm merged in 1989 to become Ernst & Young.

The parents of five children, the Bigleys have remained deeply involved with the University of Pittsburgh. Thomas Bigley served more than 20 years on Pitt's Board of Trustees, and Joan Bigley has shared the Pitt tradition of Lantern Night with new female students as well as serving as a guest coach for the women's basketball team. They credit their successes to Thomas Bigley's Pitt scholarship all those years ago and remain loyal fans and supporters of Pitt's scholar-athletes. In an effort to reciprocate for Pitt's investment in Thomas Bigley, the couple supports a wide range of University initiatives, including the Joan Bigley Endowed Baseball Scholarship, the Coach Ralph "Sarge" Mitterling Baseball Scholarship, and the Jim and Helen Bodamer Endowed Baseball Scholarship.

Ada C. and George A. Davidson Jr.

Before enrolling at Pitt, George Davidson worked in the oil fields of New Mexico and Colorado. After graduating in 1961 with his Pitt degree in petroleum engineering, Davidson took a job in Washington, D.C., as an engineer with the Federal Power Commission, where he began his professional career and met his wife, Ada.

The Davidsons returned to Pittsburgh in 1966, and George Davidson began a career with Consolidated Natural Gas that would last 30 years, spanning numerous management and executive positions as well as the company's merger with Dominion Resources. He served as chair of Dominion's board until his retirement in August 2000.

Ada Davidson, meanwhile, cultivated a reputation as one of the region's finest gardeners, and her work was often the centerpiece of garden tours benefiting many civic organizations. Her love for gardening blossomed into Bridgewater Gate, a store in Beaver County that she founded with their daughter, Melissa.

George Davidson has remained active in the University community through, among other things, serving for more than 25 years on the University's Board of Trustees and serving as chair of the Joseph M. Katz Graduate School of Business and Swanson School of Engineering Boards of Visitors. In addition, he was honored by Pitt as a Swanson School of Engineering Distinguished Alumnus and a Legacy Laureate.

Together, the Davidsons have made lasting contributions to Pitt that include gifts to establish the George A. Davidson, Jr. Unit Operations Laboratory in Chemical and Petroleum Engineering, the George A. Davidson, Jr. MBA Endowed Scholarship Fund, and The George Davidson Chemical Engineering Graduate Fellowship Fund.

Louise E. and Albert B. Ferguson Jr.

By 1943, Albert B. Ferguson Jr. was well on his way to establishing a life of professional and personal accomplishment: During that year, he married Louise Enequist,

graduated from Harvard Medical School, and enlisted in the U.S. Marine Corps, where he served as a physician during the final years of World War II. Just 10 years later, the University of Pittsburgh recruited the 34-year-old physician to chair its Department of Orthopaedic Surgery.

At Pitt, Ferguson established both the orthopaedic residency program and the department's first orthopaedic research laboratory; pioneered the use of new materials for hip and knee replacements, setting the medical standard for using metals in the human body; and trained dozens of the world's top orthopaedic surgeons. He also was a pioneer in the field of sports medicine and served as orthopaedic surgeon for the Pittsburgh Ballet Theatre and Pittsburgh Pirates.

His leadership skills and ability earned Ferguson a variety of honors and distinctions, including election as president of the American Board of Orthopaedic Surgery and the American Orthopaedic Association (AOA), and receipt of both the AOA-Zimmer Award for Distinguished Contributions to Orthopaedics and the Pennsylvania Medical Society Distinguished Service Award for Lifetime Achievement.

Louise Ferguson, who passed away in March 2012, was a dedicated volunteer at Children's Hospital of Pittsburgh of UPMC

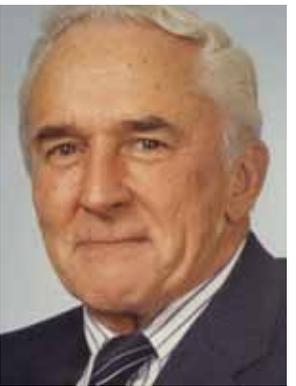


George A. Davidson Jr.

who shared her passion for outdoor sports with her children and grandchildren. During their 70 years together, Albert and Louise crafted lives characterized by commitment to family and the greater good through philanthropy to the School of Medicine Research Fund, the Dr. Albert Ferguson Chair in Orthopaedic Surgery, and the Albert B. Ferguson Orthopaedic Residents Education Fund.

May M. and Richard F. Gregg

The late Richard F. Gregg graduated from Pittsburgh's Peabody High School and enrolled in the University of Pittsburgh, where he earned a Bachelor of Business Administration degree in 1935 and was inducted into the Beta Gamma Sigma National Honorary Scholastic Society. Gregg began his career as a statistician at the Union Trust Company but left to answer the call of duty, serving as a communications liaison officer in the U.S. Navy during World War II.



Albert B. Ferguson Jr.

The late May Masterson immigrated to the United States from Scotland as a child. She graduated from the University of Oregon, where she was a member of the Young Business Women's Club, Kappa Delta Sorority, and the Mortar Board National College Senior Honor Society. The two married in Pittsburgh in 1948.

May Gregg began a career as a schoolteacher, while Richard Gregg joined Mellon National Bank and Trust Company in 1949 as a trust investment assistant, advancing to the position of assistant vice president. His responsibilities included managing Pennsylvania's \$2.8 billion Public School Teachers Retirement Fund.

The Greggs, having benefited from Richard Gregg's Pitt business education, left a bequest—now known as the May M. Gregg Endowed Fund—to the Joseph M. Katz Graduate School of Business to assist aspiring graduate business students.

Bernice L. and Morton "Mort" S. Lerner

As a member of the Pitt Panthers men's basketball team, Student Congress, Men's Council, and Omicron Delta Kappa, Morton "Mort" Lerner took advantage of myriad opportunities the University of Pittsburgh offered. He earned his Bachelor of Business Administration degree from the College of Business Administration in 1949 and his Master of Retailing degree in 1950.

When he moved to New York after graduating from Pitt to work at Bloomingdale's, Lerner began more than just his career. He met Bernice Levenson, a summa cum laude graduate of Duke University, and the two began their 42-year marriage in 1954. Afterward, they moved to his wife's native North Carolina and joined Phil's Shoe Store, which was started by her father in 1922. Morton Lerner purchased the business in 1956, and he and Bernice Lerner served as chief operating officer and president, respectively.

The family business became Lerner Shoes, a leading innovator in the shoe industry that was purchased in 1984 by the German-based shoe retailer The Deichmann Group. By the time Morton Lerner retired in 1993, the former Phil's Shoe Store had grown to become the Rack Room Shoes national chain.

The Lerner family contributed generously to a number of institutions, including the University of Pittsburgh. They established the Bernice L. and Morton S. Lerner Chair in the University Honors College, the Morton S. and Bernice L. Lerner Scholarship in the Department of Athletics, as well as a gift supporting the state-of-the-art Petersen Sports Complex.

Morton Lerner, who passed away in 1996, was honored as a Pitt Varsity Letterman of Distinction, and he also received the Bicentennial Medallion of Distinction. In 1987, both Bernice Lerner, who passed away in 2010, and Morton Lerner were named Golden Panthers of the Year.

Edgar L. Levenson

The late Edgar Levenson was born in 1922 to Eva Mae and David Levenson in Pittsburgh and grew up in Squirrel Hill. He graduated with honors from Taylor Allderdice High School and then enrolled at the University of Pittsburgh. He graduated from Pitt in 1943 with a Bachelor of Science degree in psychology.

After graduation, Levenson served in the U.S. Navy during the final days of World War II. Upon his return to Pittsburgh in 1946, Edgar Levenson joined the wholesale furniture business started by his father, which included Retail Furniture Stores, Inc., and its subsidiaries, Standard Furniture and Reichart Furniture Company. After his father's death in 1953, Edgar Levenson served as president of Standard Furniture until the store's closing in 1968.

He was also among six investors in the Wheeling Antenna Company, Inc., which was founded by his brother Donald in 1952 and acquired in 1980 by Tele-Communications, Inc. (TCI), then one of the largest cable systems in the United States.

During retirement, Edgar Levenson devoted himself to travel, to caring for his mother, and to philanthropy, quietly supporting a wide range of Pittsburgh institutions. He established the Edgar L. Levenson Grant Fund in the Kenneth P. Dietrich School of Arts and Sciences and supported several other scholarship funds as well as the Israel Heritage Classroom before he passed away in 2011.

The McKamish Family

In 1975, Harold McKamish established McKamish Metals, Inc., a Pittsburgh-based sheet metal contracting company. After his retirement in 1983, his sons, David and

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Cathedral of Learning Society

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Dennis, partnered to expand the business into a full-service mechanical contracting company, now known as McKamish Inc. David McKamish is president and CEO, while Dennis is chief financial officer.

McKamish Inc. is one of the region's premier mechanical contracting companies and is a pioneer and leader in building-information modeling, a technology that generates 3-D models that detect potential design problems prior to construction. In 2008, the *Pittsburgh Business Times* named McKamish Inc. one of the fastest-growing privately held companies in Western Pennsylvania, and in 2011, the *Pittsburgh Post-Gazette* named it one of Pittsburgh's Top Workplaces.

McKamish Inc. has been integral in the construction of many prominent new facilities, including the CONSOL Energy Center, Children's Hospital of Pittsburgh of UPMC, Hillman Cancer Center, Google Pittsburgh's offices at Bakery Square, Pitt's Biomedical Science Tower 3, and Pitt's Mascaro Center for Sustainable Innovation (MCSI) at Benedum Hall.

A strong corporate culture of philanthropy has encouraged McKamish Inc. employees to donate time and money to the Bethel Orphanage in Mexico and to support such nonprofit organizations as the Make-A-Wish Foundation, Food for the Hungry, and the Cystic Fibrosis Foundation. Leading by example, McKamish Inc., also has supported the University of Pittsburgh through contributions to the Petersen Sports Complex and has also made gifts to establish the David "Buck" Buchanan Fund for Blood Vessel Research, The McKamish Family Complex in MSCI, the McKamish Family Endowed Scholarship, and the McKamish Family Fox Chapel Scholarship.

Anne and the Honorable J. Quint Salmon

The late J. Quint Salmon left his native New York City to study at the University of Pittsburgh, where he earned his Bachelor of Business Administration degree in 1928. After earning his LLB degree from Pitt's School of Law in 1931, Salmon established a legal practice in Beaver, commencing a career that would include the holding of executive positions in several professional societies.

The late Anne Daniels, also a New York City native, earned her master's degree in mathematics from Columbia University. She taught school for eight years in New York before moving to Pittsburgh in 1941 to begin what would become a 65-year marriage with J. Quint Salmon.

In 1970, J. Quint Salmon was appointed Judge of Court of Common Pleas of Beaver County, the county's first Jewish judge. One year later, he was elected to a 10-year term on the bench before being designated Senior Judge in 1977, serving assignments in 30 judicial districts.

J. Quint Salmon maintained close ties to his alma mater as a member of the Pitt Alumni Association, through service on the School of Law Board of Visitors and the Alumni Council, as a charter member of the Law Fellows, and as chair of the University of Pittsburgh Alumni Giving Fund. He actively recruited talented students from Beaver County, coordinating with the Beaver alumni group to ensure deserving students could attend Pitt.

J. Quint Salmon's belief that "the best thing alumni can do is to champion the cause of higher education" was shared by his wife, and the couple established the Judge J. Quint and Anne Salmon Chair in Law to provide support for a professor with eminence in the field of dispute resolution. Additionally, they provided support for the College of Business Administration, the Department of Athletics, and the Joseph M. Katz Graduate School of Business.

"As the centerpiece of our campus, the Cathedral of Learning is a beacon for those seeking the highest quality higher education from a world-class university. The exceptional generosity of the members of our Cathedral of Learning Society, as well as their belief in our important educational mission, likewise is a noble pinnacle from which students, faculty, staff, and community members can draw hope and inspiration. As we celebrate our 225 years of building better lives, I am touched and humbled by these individuals' thoughtful and selfless contributions to the ongoing progress of this University."

—Mark A. Nordenberg

Cynthia D. and David S. Shapira

In 1971, David Shapira joined Giant Eagle, Inc.—the Southwestern Pennsylvania retail grocery chain cofounded by his grandfather, Joseph Goldstein, in 1931. During the course of a 40-year career in which he served in a number of executive positions, Shapira oversaw the grocery chain's growth into a major fuel and food retailer that employs almost 40,000 people who serve nearly five million customers annually. Since retiring as chairman, CEO, and president in January 2012, Shapira has served as executive chairman.

Cynthia Shapira began her career as a senior consultant with KPMG Peat Marwick before joining the Pappas Consulting Group Inc. as executive vice president. She went on to serve as executive director of Chatham University's Pennsylvania Center for Women and Politics and executive director of the National Council of Jewish Women, Pittsburgh Section. Currently, she assists nonprofit organizations throughout the United States as an independent management consultant.

The Shapiras share a deep commitment to the Pittsburgh region. David Shapira serves on the boards of the Allegheny Conference on Community Development, the Pittsburgh Symphony Orchestra, and the Extra Mile Education Foundation. Cynthia Shapira gives her time to the boards of the Jewish Federations of North America, the Children's Institute, A+ Schools, and the Jewish Federation of Greater Pittsburgh. Together, they also volunteer with the United Way of Allegheny County and the Pittsburgh Cultural Trust.

The Shapiras have extended their generosity in multiple ways, including the establishment of the Frieda G. and Saul F. Shapira BRCA Cancer Research Fund and the Frieda G. and Saul F. Shapira BRCA Endowed Cancer Research Fund at the University of Pittsburgh Cancer Institute. Both funds honor David's mother and father—who was himself a 1934 graduate of Pitt.

Barbara and Herbert S. Shear

Herbert Shear represents the third successive generation of family leadership in a business that dates back to 1898, when his grandfather Hyman Shear bought a wagon and a blind horse. That purchase laid the foundation for a business that became the H. Shear Trucking Company. Herbert Shear's father, Samuel—a graduate of Pitt's School of Pharmacy—eventually expanded the firm into public warehousing and distribution services and changed its name to the General Commodities Warehouse and Distribution Company (GENCO). Herbert Shear joined GENCO in 1971 and began implementing changes that would transform the firm into GENCO ATC.

Since then, Herbert Shear's contributions, as GENCO ATC chair and CEO, to his company and the logistics industry have earned him honors that include the Council of Supply Chain Management Professionals' Distinguished Service Award, the Salzberg

Medallion from Syracuse University's Whitman School of Management, and Ernst & Young's Western Pennsylvania Entrepreneur of the Year award.

Shear's wife, Barbara, earned her Master of Education degree from the University of Pittsburgh in 1973 and taught in the McKeesport Area School District. She has been a civic leader in the region, serving on the boards of Rodef Shalom Congregation, the Pittsburgh Symphony Association, and the Jewish National Fund. As secretary of GENCO ATC, Barbara Shear has partnered with her husband, and the couple has built the company into North America's second-largest third-party logistics company and a leader in reverse logistics.

Together, the Shears have followed the example of Herbert Shear's father, quietly giving back to the community with philanthropy that both the Greater Pittsburgh Food Bank and the Association of Fundraising Professionals have recognized with public honors. They have extended their University commitments—including Herbert Shear's service on Pitt's Board of Trustees—through gifts to the Petersen Sports Complex, the University of Pittsburgh Cancer Institute, and the schools of the health sciences, including the School of Pharmacy, where they established the Samuel T. and Herbert S. Shear Family Scholarship.

Janet L. Swanson

Janet Swanson earned her undergraduate degree from Pennsylvania State University and lived in Israel for two years before returning to the United States. She came to Pittsburgh to pursue her master's degree in library and information science at the University of Pittsburgh, a course of study that she completed in 1976. She met Pitt alum John Swanson at a New Year's Eve party and when the couple married in 1983, she became a loving stepmother to John's three sons and—later—a much-adored grandmother. Out of a desire to share with those less fortunate, the couple established a tradition of donating to each other's favorite charities for special occasions such as anniversaries and birthdays.

In addition to devoting her attention to her family, Swanson dedicates herself to strengthening the animal-human bond, caring for a number of companion pets both in and outside of the Swanson home. Her commitment extends to her unparalleled support of some of the nation's top wildlife health centers and veterinary programs.

Acting on her long-held belief that "education is the key to everything," Swanson established the Janet L. Swanson Director of Jewish Life at the University of Pittsburgh in partnership with The Edward and Rose Berman Hillel Jewish University Center of Pittsburgh. Her gift ensures that a vibrant Jewish student campus life can continue to be nurtured, helping Pitt students to enjoy a strong community to engage in studies of Judaism, Jewish history, and Jewish culture during their time at Pitt.

Four Pitt Students Receive 2012 David L. Boren Awards for International Study

Continued from page 2

tional relations with a minor in German. In addition, Ross holds certificates in Arabic, Jewish, and Global Studies. Ross will receive a BA degree from Pitt next year. With her Boren, she will be spending the year in Israel in Arab villages around the Mount Carmel and Wadi Ara region, studying modern standard and colloquial (Palestinian dialect) Arabic. Upon completion of her Pitt degree, Ross plans to fulfill her Boren service requirement through the U.S. Department of State or Department of Defense in work that involves national security.

Whitehead, a New York City resident who was raised in Bear, Del., will be a Pitt senior this fall, majoring in communication with a minor in Portuguese. With her Boren, she will study Portuguese and communication at the Pontificia Universidade Católica do Rio de Janeiro. Whitehead hopes to obtain an internship with a non-governmental organization working with children and teaching them English. She will graduate from Pitt with a BS degree next year. To fulfill her required government service, Whitehead plans to work for the U.S. Department of State.

McChesney, from Upper Marlboro, Md., is a joint-degree student who will be graduating with a JD from Pitt's School of Law and a master's degree in international development from Pitt's Graduate School of Public and International Affairs. She will take part in a 10-month project in Urubamba, Peru, that will focus on linguistic and cultural immersion within a Quechua-speaking community as well as volunteering in projects to address sustainable development, environmental degradation, global disease and hunger, and economic development. McChesney will collaborate with her Quechua professor, a native Quechua-speaking tutor, and Nexos Voluntarios, a nonprofit organization in Peru. The collaborations will allow McChesney to engage in projects to help educate the indigenous population of Urubamba. Her objectives are to attain fluency in Quechua, to use her skills and educational background to improve the lives of community members, and to strengthen American national security by elevating the United States' reputation abroad and the effectiveness of U.S. developmental aid programs.

Boren Scholarships and Fellowships are sponsored by NSEP, a major federal initiative designed to build a broader and more qualified pool of U.S. citizens with foreign language and international skills. Boren Awards provide U.S. undergraduate and graduate students with the resources and encouragement to acquire language skills and experience in countries critical to the future security and stability of the nation. In exchange for funding, Boren award recipients agree to work in the federal government for a period of at least one year following graduation.

The mission of NSEP, established by the National Security Education Act of 1991, is to develop the national capacity for educating U.S. citizens, understanding foreign cultures, strengthening U.S. economic competitiveness, and enhancing international cooperation and security.

The Boren Scholarship is named for David L. Boren, principal author of the legislation that created NSEP in 1991. Boren served as the governor of Oklahoma from 1974 to 1978 and as a U.S. senator from Oklahoma from 1979 to 1994. He currently serves as the president of the University of Oklahoma. Boren is widely respected for his academic credentials, his longtime support for education, and his distinguished political career as a reformer in the American political system.

Amara, Grandis, Michalopoulos, Peitzman, Shroff Are Named Distinguished Professors; Shuman Named Distinguished Service Professor

Continued from page 1

as professor of pharmacology and chemical biology. Before joining Pitt, she held positions as a faculty member and Howard Hughes Medical Institute investigator at Yale and later, as a senior scientist and a Howard Hughes Medical Institute investigator at the Vollum Institute in Portland, Ore. She has received a number of coveted awards and fellowships, among them the 1992 Young Investigator Award from the Society for Neuroscience, the 1993 John J. Abel Award from the American Society for Pharmacology and Experimental Therapeutics, an investigator award from the McKnight Foundation, a 1997 MERIT Award from the National Institute on Drug Abuse, and the 2006 Julius Axelrod Award from the Catecholamine Society. She was elected to the National Academy of Sciences in 2004 and, in 2007, was elected a fellow of the American Association for the Advancement of Science for her outstanding contributions to neuroscience. In 2011 she served as president of the Society for Neuroscience, a scientific organization with more than 41,000 members worldwide.

Amara received a B.S. degree in biological sciences from Stanford University and a Ph.D. in physiology and pharmacology from the University of California, San Diego.

Jennifer Grandis (MED '87) is the UPMC Endowed Chair in Head and Neck Cancer Surgical Research in the School of Medicine's Department of Otolaryngology and director of the Head and Neck Program in the University of Pittsburgh Cancer Institute. A physician-scientist, Grandis has devoted her research career to studying the critical genetic alterations that characterize head and neck cancers, with the ultimate goal of improving patient treatment and survival.

Grandis, who is also the assistant vice chancellor for research program integration in the Pitt Schools of the Health Sciences, began her career at Pitt in 1987 as an intern in the Pitt's School of Medicine's Department of Surgery. She completed her residency in Pitt's Department of Otolaryngology in 1993 and became a research fellow for the School of Medicine's Division of Infectious Diseases in 1991.

Through her teaching, many of Grandis' doctoral students have developed successful careers as faculty members in tenure-stream positions and as researchers at prominent cancer centers and hospitals. On the national level, Grandis secured funding in 2005 for a conference on research training, which resulted in a new National Institutes of Health funding opportunity aimed at training ear, nose, and throat physicians to conduct research.

Grandis is a deputy editor for *Clinical Cancer Research* and the scientific editor for *Cancer Discovery*. She serves on the American Association for Cancer Research's board of directors (2010-13 term). She received a B.A. in biology and art history from Swarthmore College in 1982 and an MD from Pitt in 1987.

George Michalopoulos is professor and chair in the School of Medicine's Department of Pathology. He has been widely recognized for his contributions to understanding the pathways of growth factors leading the liver to regenerate. In 1989, his laboratory, in conjunction with two other laboratories, independently discovered Hepatocyte Growth Factor (HGF), a protein that is a major driver of the regeneration of liver and other tissues. His laboratory

subsequently identified the receptor for that protein.

Michalopoulos joined the Pitt School of Medicine faculty in 1991, also serving as associate vice chancellor for the Schools of the Health Sciences and as interim dean for the School of Medicine from 1995 to 1998. Prior to his tenure at Pitt, he was an assistant professor at Duke University. He is a member of several professional associations and has worked as a consultant for many pharmaceutical and biotechnology companies. He is cofounder of Kytaron, Inc., a local biotech company working on building small tissues in culture and capitalizing on several new lines of biotechnology, including some that were invested in and patented by him and his collaborators. In addition to chairing the Department of Pathology, Michalopoulos continues his research in liver regeneration and the connection of growth regulation of normal liver and the genomically altered pathways seen in liver cancer. For his work, he received the Rous-Whipple award from the Society for Investigative Pathology and the Distinguished Research Award from the American Liver Foundation.

Michalopoulos received an MD from the Athens University School of Medicine in 1969. He completed a residency in anatomic pathology and a PhD in oncology at the Wisconsin Medical Center in Madison in 1977. He received a Distinguished Alumnus Award from the University of Wisconsin in 2010.

Andrew B. Peitzman is the Mark M. Ravitch Professor of Surgery and vice chair for clinical services in Pitt's School of Medicine. His career has focused on all aspects of trauma care with extensive international involvement, particularly in Latin America. In 1984, Peitzman started what has become one of the busiest trauma centers in the country at UPMC-Presbyterian Hospital. Peitzman led the paradigm shift toward non-operative management of blunt abdominal injury and helped establish equipoise in the management of blunt splenic injury. In conjunction with the liver surgeons at UPMC, Peitzman helped change the operative approach to major liver injury, with a threefold decrease in mortality. Peitzman continues his career-long interest in hemorrhagic shock and remains heavily involved in trauma care globally, particularly in Latin America, as outlined in his Panamerican Trauma Society Presidential Address, "Our Global Village."

Before joining the Pitt faculty, Peitzman earned his MD degree at the University of Pittsburgh and completed his residency here. During his residency, he spent two years engaged in basic science research under the direction of G. Tom Shires at Weill Cornell Medical College (formerly known as Cornell Medical Center), which is affiliated with New York Hospital.

Peitzman is a past president of the Panamerican Trauma Society and a past president of the American Association for the Surgery of Trauma. He served as executive director of the Panamerican Trauma Society and chair of the board of the Pennsylvania Trauma Systems Foundation. He has authored more than 180 peer-reviewed publications and 80 book chapters. Additionally, he has written nine books, including *The Trauma Manual* (Lippincott Williams & Wilkins, 2002), which is now in its fourth edition and published in Spanish and Portuguese as well, and the recently published *Acute Care Surgery* (Lippincott Williams & Wilkins, 2012). His recent honors include

The rank of Distinguished Professor recognizes extraordinary, internationally recognized scholarly attainment in an individual discipline or field. The title of Distinguished Service Professor recognizes distinctive contributions and outstanding service (e.g., professional, regional, national, international) to the University community in support of its multifaceted teaching/research/service mission, as well as performance excellence in the faculty member's department or school and national stature in his or her discipline or field.

honorary membership in the Colombian Trauma Society, Chilean Society of Surgeons, Asociación Mexicana de Medicina y Cirugía del Trauma, and Sociedad de Cirujanos Generales del Peru. He is also a founding member of the European Society of Trauma and Emergency Surgery.

Sanjeev G. Shroff is professor and Gerald E. McGinnis Endowed Chair in Bioengineering in the Swanson School of Engineering; professor of medicine in the School of Medicine; and professor of clinical and translational science in the University of Pittsburgh Clinical and Translational Science Institute. Additionally, he is a core faculty member in the Pitt-UPMC McGowan Institute of Regenerative Medicine and an affiliated faculty member at the Magee-Womens Research Institute. Shroff has served as associate chair of the Department of Bioengineering since 2008.

Shroff received his PhD in bioengineering from the University of Pennsylvania in 1981 and the next year completed a postdoctoral fellowship at Penn within the Cardiovascular-Pulmonary Division of the Department of Medicine. Prior to joining the Pitt faculty in 2000, Shroff was for 18 years a faculty member in the Cardiology Section of the University of Chicago's Department of Medicine.

Shroff's research interests involve studies of the cardiovascular system—including the evaluation of contractile and regulatory proteins and overall whole heart function; vascular stiffness and cardiovascular function; and large-scale mathematical simulations of biological systems for research, education, and engineering design. He has published more than 120 peer-reviewed journal articles and has received significant research funding from the National Institutes of Health (NIH), American Heart Association, and National Science Foundation. He also is an elected fellow of the American Physiological Society, the American Institute for Medical and Biological Engineering, and the Biomedical Engineering Society.

Shroff is the recipient of the 2007 Carnegie Science Center Award for Excellence (University/Post-Secondary Educator). He also received the Chancellor's Distinguished Teaching Award in 2011 for his passion for teaching students both in the classroom and in the laboratory. In particular, he was praised for his pioneering contributions to innovative, simulation-based teaching tools that are having a national impact on the training of bioengineers, health care providers, and medical students. Shroff is the principal investigator of a National Institutes of Health T32 training grant titled "Training Program in Cardiovascular Bioengineering," which was initiated in 2005 and is currently in its second five-year cycle of funding.

Larry Shuman is professor of industrial engineering and senior associate dean for academic affairs in the Swanson School of Engineering. Shuman is recognized for his work in improving the engineering educational experience and his studies of the ethical behavior of engineers and engineering managers. Previously, he had studied the application of operations research to health delivery systems and had been involved with the design and simulation of prehospital care systems, the evaluation of care delivery processes, and the design of particular hospital subsystems, including simulation studies of diagnostic imaging, emergency departments, operating rooms, nurse scheduling, and staffing. In his administrative role, he is primarily responsible for supervising the Swanson School's cooperative engineering education program and developing the school's international education program. Approximately half of the school's undergraduate engineering students now participate in the co-op program, while last year 37 percent of the graduating seniors had an international experience.

Shuman, who previously served as interim dean of the Swanson School of Engineering, joined the department in 1969. He served as cochair of the 1997 Frontiers in Education Conference, held in Pittsburgh. He is the founding editor of *Advances in Engineering Education*; he also served as a senior associate editor of the *Journal of Engineering Education*, both published by the American Society of Engineering Education. Previously, he was co-editor of the *Journal of the Society for Health Systems*. He has directed National Science Foundation-funded studies focused on models and modeling (with six partner institutions), as well as studies focused on the ethical behavior of engineers. His assessment of engineering education outcomes (with five partner institutions) resulted in methodologies for assessing changes in student attitudes and predicting those students most likely to leave engineering; his assessment technique was adopted by a number of other engineering programs. In total, Shuman has been principal or coprincipal investigator on more than 30 sponsored research projects funded by federal and state government agencies and private foundations. During his career at Pitt, he has collaborated closely with a number of colleagues, most notably Harvey Wolfe, professor emeritus of industrial engineering throughout most of his career, and more recently and currently with Mary Besterfield-Sacre, a professor of industrial engineering.

Shuman received his PhD in operations research from the Johns Hopkins University, and the Bachelor of Science in Electrical Engineering degree from the University of Cincinnati.

Happenings



Il Divo,
Heinz hall,
August 6

Concerts

The Legend of Zelda: Symphony of the Goddesses, featuring video accompanied by live orchestra, bringing to life the popular video game series, 8 p.m. **July 27-28**, Heinz Hall, 600 Penn Ave., Downtown, Pittsburgh Symphony Orchestra, 412-392-4900, www.pittsburghsymphony.org, PITT ARTS Cheap Seats, 412-624-4498, www.pittarts.pitt.edu.

Il Divo, multinational operatic pop vocal group, 8 p.m. **Aug. 6**, Heinz Hall, 600 Penn Ave., Downtown, Pittsburgh Symphony Orchestra, 412-392-4900, www.pso.culturaldistrict.org.

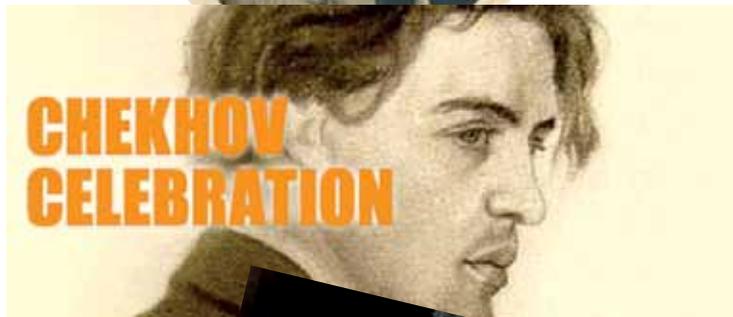
Exhibitions

Carnegie Museum of Art, Impressionism in a New Light: From Monet to Stieglitz, includes more than 150 works by many of the most important artists of the late-19th and early-20th centuries, **through Aug. 26**; **Henri Matisse: The Thousand and One Nights**, multipanel, painted paper cutout, created when the artist was 81 and confined to his bed, **through July 15**, 4400 Forbes Ave., Oakland, 412-622-3131, www.cmoa.org.

Heinz History Center, The Story of Negro League Baseball: We Are the Ship, and A Bedrock of Faith: Presbyterian Pioneers in Western Pennsylvania, **both through Aug. 26**, 1212 Smallman St., Strip District, 412-454-6000, www.heinzhistorycenter.org.

The Frick Art and Historical Center, Three Centuries of Printmaking, built around Frick's permanent collection of 18th-century mezzotints and 19th-century chromolithographs, **through Sept. 2**; **Riding and Gliding With the Air-Cooled Franklin**, display of a 1932 Franklin Series 16A Convertible Coupe automobile in the Frick's Car and Carriage Museum, highlighting the unique history of the H.H. Franklin Manufacturing Company, which operated in Syracuse, N.Y., from 1902 to 1934, **through Sept. 16**, 7227 Reynolds St., 412-371-0080, www.thefrickpittsburgh.org.

The Warhol, Donald Moffett: The Extravagant Vein, the first comprehensive survey of Donald Moffett's investigations into art history, paint, politics, and form; **Factory Direct: Pittsburgh**, showcases the artwork of 14 established contemporary artists invited to conduct residencies in Pittsburgh-based factories, **both through Sept. 9**, 117 Sandusky St., North Side, 412-237-8300, www.warhol.org.



CHEKHOV CELEBRATION



The Chekhov Celebration,
Three Sisters and Ivanov,
Charity Randall and Henry Heymann
Theatres,
July 19-August 26

Opera/Theater/ Dance

Opera Theater of Pittsburgh Summer Fest, Carmen—The Gypsy, July 12 and 14; Night Caps, July 12-15; Candide, July 13, 15; The Magic Flute, July 14; theatrical musical performances, Hillman Center for Performing Arts, 423 Fox Chapel Road, Fox Chapel, www.operatheaterpittsburgh.org, 412-621-1499.

Fiddler on the Roof, award-winning musical, **July 13-22**, Benedum Center, 237 7th St., Downtown, Pittsburgh CLO, www.pittsburghclo.org, 412-325-6766, PITT ARTS Cheap Seats, 412-624-4498, www.pittarts.pitt.edu.

The Chekhov Celebration with works by Anton Chekhov, including **Three Sisters** and **Ivanov** as well as two shorter programs, **July 19-Aug. 26**; performances in the Charity Randall and Henry Heymann theatres, both inside Pitt's Stephen Foster Memorial, 4301 Forbes Ave., Oakland, Pittsburgh Irish & Classical Theatre, www.picttheatre.org, 412-561-6000, PITT ARTS Cheap Seats, 412-624-4498, www.pittarts.pitt.edu.

Sunset Boulevard, Andrew Lloyd Webber musical based on the 1950 Hollywood film noir of the same title, **July 24-29**, Benedum Center, 237 7th St., Downtown, Pittsburgh CLO, www.pittsburghclo.org, 412-325-6766, PITT ARTS Cheap Seats, 412-624-4498, www.pittarts.pitt.edu.

The Addams Family, musical comedy by composer-lyricist Andrew Lippa based on the 1960s hit television series, **July 31-Aug. 12**, Benedum Center, 237 7th St., Downtown, PNC Broadway Across America-Pittsburgh and Pittsburgh CLO, www.trustarts.org, 412-456-4800, PITT ARTS Cheap Seats, 412-624-4498, www.pittarts.pitt.edu.

The Golden Dragon, a tragicomic tale of globalization by German playwright Roland Schimmelpfennig, **Aug. 2-26**, Lake Carnegie, Highland Park, Quantum Theatre, 412-362-1713, www.quantumtheatre.com, PITT ARTS Cheap Seats, 412-624-4498, www.pittarts.pitt.edu.

Girls Only—The Secret Comedy of Women, candid look at what it means to be female, **through Sept. 2**, CLO Cabaret, 655 Penn Ave., Downtown, Pittsburgh CLO Cabaret, www.pittsburghclo.org, 412-325-6766, PITT ARTS Cheap Seats, 412-624-4498, www.pittarts.pitt.edu.

Pitt PhD Dissertation Defenses

Brian D. Herman, School of Medicine's Molecular Virology and Microbiology Graduate Program, "Structure-Activity-Resistance Relationships of Novel Nucleoside and Nucleotide HIV-1 Reverse Transcriptase Inhibitors," 10 a.m. **July 9**, 1105 Scaife Conference Center.

Marguerite Matthews, Center for Neuroscience at the University of Pittsburgh, "Characterizing Dopamine Function in Adolescent Rats," 11 a.m. **July 9**, 2nd-Floor Auditorium, Pitt Learning Research and Development Center.

Sharon Hsiao, School of Information Sciences, "Navigation Support and Social Visualization for Personalized E-learning," 3 p.m. **July 9**, 522 Information Sciences Building.

Chad P. Kimmel, School of Medicine's Biomedical Informatics Graduate Program, "The Incorporation of Knowledge for Network-Based Gene Prioritization," 1 p.m. **July 10**, Room 407A, 5607 Baum Blvd.

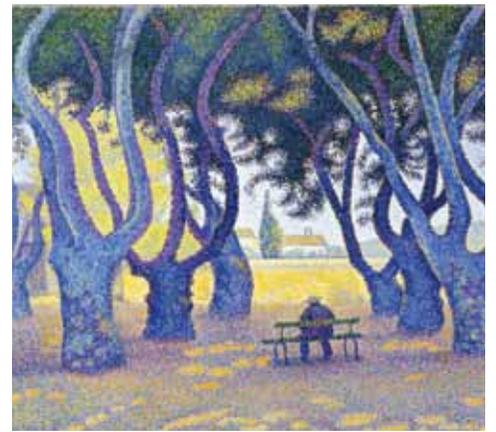
Mary Hawk, Graduate School of Public Health's Behavioral and Community Health Sciences Program, "Evaluation of a Community-Developed Intervention to Reduce HIV Risk Among African American Women," 1 p.m. **July 12**, 210 Parran Hall Conference Room.

Pavle Milutinovic, School of Medicine's Cellular and Molecular Pathology Graduate Program, "The Receptor for Advanced Glycation End Products Is a Central Mediator of Asthma Pathogenesis," 9 a.m. **July 17**, 995 Starzl Biomedical Science Tower.

Ibrahim M. Altubasi, School of Health and Rehabilitation Sciences, "The Effect of Neuromuscular Electrical Stimulation in Inducing Muscle Hypertrophy and Improvement in Muscle Torque Within the Quadriceps Muscle of Elderly People," 10 a.m. **July 17**, 4060 Forbes Tower.

Swarna Mohan, Dietrich School's Department of Biological Sciences, "The Regulation of Apical Constriction: Rock 'n' Shroom Structures," 10 a.m. **July 17**, A219B Langley Hall.

Yilan Xu, Dietrich School's Department of Economics, "Three Essays on Housing and Credit," 10 a.m. **July 18**, 4716 Posvar Hall.



Place des Lices, St. Tropez by Paul Signac

The Carnegie Museum Impressionism in a New Light: From Monet to Stieglitz,
through August 26

Kelley Kidwell, Graduate School of Public Health's Department of Biostatistics, "Survival Analysis of Shared-Path Adaptive Treatment Strategies," 1 p.m. **July 18**, A215 Crabtree Hall.

Chetachi Akunna Emeremni, Graduate School of Public Health's Department of Biostatistics, "Analysis of Variance for Right Censored Survival Data," 1 p.m. **July 19**, A622 Parran Hall.

Sarah J. Hainer, Dietrich School's Department of Biological Sciences, "Examining the Contribution of Chromatin and Chromatin-Associated Factors to Transcription Regulation," 1 p.m. **July 19**, A219B Langley Hall.

Lauren M. Wagner, School of Medicine's Biochemistry and Molecular Genetics Graduate Program, "HSV-1 ICP4, A Multifaceted POLII Transcription Factor," 2 p.m. **July 20**, 503 Bridgeside Point II, 450 Technology Drive, Hazelwood.

Melissa Liberatore, Dietrich School's Department of Chemistry, "Synthesis and NMR Studies of a Beta-Turn Mimetic Molecular Torsion," 10 a.m. **July 23**, 307 Eberly Hall.

Kim Frost, Dietrich School's Department of Philosophy, "Mental Capacities and Their Imperfect Exercises: The Essential Normativity of the Mind," 2 p.m. **July 23**, 1001B Cathedral of Learning.

Abidemi Adeniji, Graduate School of Public Health's Department of Biostatistics, "Incorporating Diagnostic Accuracy Into the Estimation of Discrete Survival Function," 11 a.m. **July 26**, 109 Parran Hall.

Jesse D. Troy, Graduate School of Public Health's Department of Epidemiology, "HPV and Lifestyle in the Translational Epidemiology of Head and Neck Cancer," 1 p.m. **July 26**, UPMC Cancer Pavilion.

Alexandra Valint, Dietrich School's Department of English, "Collaboration and Contestation: The Victorian Multiple-Narrator Novel," 1 p.m. **July 27**, 602 Cathedral of Learning.

Jiin Choi, Graduate School of Public Health's Department of Biostatistics, "Prediction in the Joint Modeling of Mixed Types of Multivariate Longitudinal Outcomes and a Time-to-Event Outcome," 2 p.m. **Aug. 8**, A622 Crabtree Hall.



The Addams Family,
Benedum Center,
July 31-August 12



Newsmakers

PAYING HOMAGE TO ACTRESS ELEONORA DUSE



JOE KAPREWSKI/CODIE

Pitt Chancellor Mark A. Nordenberg welcomed the Italian actress, pianist, and writer Daniela Musini to campus on May 29. Musini was in Pittsburgh to perform *Gabriele and Eleonora: A Scarlet Passio* in its U.S. premiere, which was hosted by, and held at, Duquesne University. The musical monologue tells the story of the love affair between the man considered to be the leading Italian writer of his time—poet, dramatist, journalist, and novelist Gabriele D’Annunzio (1863-1938)—and the internationally celebrated Italian actress Eleonora Duse (1858-1924). The setting for the entire show is Room 524 of the Schenley Hotel, now the University’s William Pitt Union. Duse gave the last performance of her life in Pittsburgh in 1924. Sick with tuberculosis and pneumonia, Duse was unable to travel home, and she passed away at the Schenley on April 24 of that year. In 1949, the Italian Sons and Daughters installed a bronze tribute to Duse in the Schenley outside of Room 524. Today the plaque is prominently displayed in the William Pitt Union’s Tansky Family Lounge, where this photograph of the Chancellor and Musini was taken.

RACIAL DISPARITIES IN HEALTH CARE



MIKE DRAZDZINSKI/CODIE

Jeannette South-Paul, Andrew W. Mathieson Professor and chair in the School of Medicine’s Department of Family Medicine at the University of Pittsburgh, presented a lecture titled “Overview of Racial Health Disparities in Allegheny County” during a June 28 summer institute sponsored by Pitt’s Center on Race and Social Problems (CRSP). CRSP, part of the School of Social Work, is hosting two more institutes on July 18 and 26 that will address racial disparities within different contexts. The sessions will examine the problems surrounding, and the causes of, the disparities and also will develop specific actions that can be taken on a local level to lessen them. The summer institutes, which are free of charge, are held in the Cathedral of Learning’s 20th-Floor Conference Center.

URBAN ENTREPRENEURSHIP



MARY JANE BERTY/CODIE

A June 2 conference, “Make It Happen! Urban Entrepreneurship in Pittsburgh,” brought together local business entrepreneurs to share innovative business plans, enthusiasm, and creativity. The event, held in the Kaufmann Center, 1825 Centre Ave., Hill District, was sponsored by Pitt’s Institute for Entrepreneurial Excellence (IEE) in the Joseph M. Katz Graduate School of Business and College of Business Administration. Featured as the keynote speaker was Josh Linkner, author of *The New York Times* bestseller *Disciplined Dreaming* (Dreamscape Media, 2011) and business partner of basketball Hall-of-Famer Earvin “Magic” Johnson in Detroit Venture Partners. From left are Christine Kush, IEE associate director; Linkner; and Ann Dugan, IEE founder and director.

PittChronicle

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PUBLICATION NOTICE The next edition of *Pitt Chronicle* will be published Aug. 21. Items for publication in the newspaper’s *Happenings* calendar (See page 11) should be received at least two weeks prior to the event 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, or sent by campus mail to 422 Craig Hall. For more information, call 412-624-1033 or e-mail robinet@pitt.edu.