



## Carnegie Mellon

- 2 Q&A WITH KAREN BOYD
- 3 STAFF HONORED FOR CITIZENSHIP, COMMITMENT, DEDICATION, INNOVATION AND CULTURE
- 10 ST. CLAIR REAPPOINTED DEAN
- 12 SINGER SPREADS BRAZILIAN MUSIC

## You Can Get There From Here

■ Byron Spice

The old Pittsburgh adage doesn't hold true anymore. Everyone has heard by now that the new Gates and Hillman centers will serve as a crossroads for the Carnegie Mellon campus. But the unusual buildings can be confusing to the uninitiated and directional signage is still in short supply. The good news is that the buildings provide lots of choices of routes. Here is a guide to making some of those connections:

**Getting In:** The fifth floor of the Gates Center serves as the front door for people entering from the upper campus, either through the entrance facing Warner and Cyert halls or, once it is complete, via the Randy Pausch Memorial Footbridge that connects to the south end of the Purnell Center.

From the "west campus quad" of Newell-Simon, Hamburg and Smith halls, the exterior entries are on the third floor — a main entrance at the northwest corner of Gates and a couple of side doors facing south toward Doherty and Wean halls that open onto a green roof.

People walking from Forbes Avenue will enter the fourth floor of the Hillman Center.

CONTINUED ON PAGE EIGHT

## On The Cutting Edge



PHOTOS BY KEN ANDREYO



ABOVE, BENEFACTORS BILL GATES, CO-CHAIR AND TRUSTEE OF THE BILL & MELINDA GATES FOUNDATION AND CHAIRMAN OF MICROSOFT CORP., AND HENRY L. HILLMAN, CHAIRMAN OF THE HENRY L. HILLMAN FOUNDATION, OFFICIALLY OPEN THE GATES CENTER FOR COMPUTER SCIENCE AND THE HILLMAN CENTER FOR FUTURE-GENERATION TECHNOLOGIES. TO VIEW GATES' SPEECH AT THE DEDICATION CEREMONY FOR THE AVANT-GARDE HOME OF THE SCHOOL OF COMPUTER SCIENCE (SCS), SEE THE PIPER+ AT [WWW.CMU.EDU/NEWS/NEWS-NOTES/PIPER/INDEX.SHTML](http://WWW.CMU.EDU/NEWS/NEWS-NOTES/PIPER/INDEX.SHTML).

AT LEFT, RAY LANE, CHAIRMAN OF THE CARNEGIE MELLON BOARD OF TRUSTEES AND GENERAL PARTNER OF KLEINER, PERKINS, CAUFIELD AND BYERS, AND HIS WIFE, STEPHANIE, CELEBRATE THE RAY AND STEPHANIE LANE CENTER FOR COMPUTATIONAL BIOLOGY BECOMING A PART OF SCS. THE CENTER IS THE FIRST OF ITS KIND TO BE HOUSED IN A COMPUTER SCIENCE SCHOOL. FOR MORE ON WHAT'S HAPPENING IN SCS, SEE PAGE 8.

## A Prime Time Event



PHOTO BY HEATHER MULL

JUST PRIOR TO THE START OF THE G-20 SUMMIT, THE HONOURABLE KEVIN RUDD, PRIME MINISTER OF THE COMMONWEALTH OF AUSTRALIA, MET WITH CARNEGIE MELLON PRESIDENT JARED COHON AND DELIVERED AN ADDRESS ON CAMPUS CREDITING CARNEGIE MELLON AS HAVING HELPED TRANSFORM PITTSBURGH AND HIGHLIGHTING THE NEED FOR WORLD LEADERS TO ADDRESS ENVIRONMENTAL ISSUES ON A GLOBAL SCALE. RUDD'S VISIT HIGHLIGHTED CARNEGIE MELLON'S MANY CONNECTIONS WITH AUSTRALIA. VISIT THE PIPER+ AT [WWW.CMU.EDU/NEWS/NEWS-NOTES/PIPER/INDEX.SHTML](http://WWW.CMU.EDU/NEWS/NEWS-NOTES/PIPER/INDEX.SHTML) TO WATCH A VIDEO OF RUDD'S SPEECH AND TOUR OF THE ROBOTICS INSTITUTE. FOR MORE G-20 BUZZ, SEE PAGE 6.

# Q&A: Karen Boyd Uses Connections To Relate to Students

■ Abby Houck

Karen Boyd joined the university in July as dean of Student Affairs. She succeeds the Paul Mellon University Professor of Applied Linguistics G. Richard Tucker, who served as interim dean since Jennifer Church left the university in the summer of 2008. Boyd most recently served as a doctoral graduate assistant with the Department of Counseling and Human Development Services at the University of Georgia and has worked at Clemson University, University of Georgia, Georgia Institute of Technology, East Carolina University, Appalachian State University and University of North Carolina at Chapel Hill. While it has recently been an extremely busy time for Boyd, the Piper was able to catch up with her about some of the new initiatives she's brought to campus.

## What has been the focus of your work during your first three months at Carnegie Mellon?

I've been working hard to understand the Student Affairs Division and staff, as well as our external constituencies. The Division of Student Affairs is organized by relationships in order to make students more successful in getting to where they want to go. It's a wonderful way to be organized. And feeding those relationships will create more opportunities for those interactions to occur, especially those relationships that have academic impact. So we're creating opportunities for more interaction among departments and within the schools to result in bottom-up ideas. I think that you've got to remember how smart the people you work with are. My job is to create the structures and get out of the way.

I'm also hosting something called Tartan Teas so I can have conversations

with students to shape the vision of where we are going in Student Affairs. I asked my staff to identify 60 student leaders from across campus who I should know immediately, and I've invited these students to meet with me in my home during the first 60 days of the academic year.

I personally have gotten quite a bit out of these discussions. While listening to the students, I'm able to talk about the big five or six things I want to see happen over my time at the university. They are providing me with some insight on how those goals might be accomplished and what students hope to take away from their Carnegie Mellon experience. I will continue to hold the Tartan Tea on a monthly basis, and occasionally twice a month — one scheduled with selected student leaders and another through a randomly generated list of student invitations.

## What are some other programs your team is initiating this fall?

Indira Nair shared with me the pillar that she and Jennifer Church worked on, which is about defining student learning outcomes and what strategies we



KAREN BOYD

would use to achieve them. Indira and I are planning for Academic Services and Student Affairs departments to work together to identify intentional relationships, as well.

Student Affairs is also bringing together a group of students, administrators and faculty to talk about how we educate students about personal social responsibility in the metacurriculum. This project is linked to an Association of American Colleges and Universities initiative.

In addition, there's a commitment to developing global competencies in our students. You'll begin to see particular attention to infusing the student experience with more interaction with our Qatar campus, which will also benefit the students there. It's a natural place to make it more likely that Carnegie Mellon students will learn how they can work with persons of different cultures to achieve their goals.

## Could you tell us about the University Lectures Series program, "We asked, you answered, and we really listened: How Carnegie Mellon uses student survey data to assess and improve the student experience?"

Primarily we shared the great work that Janel Sutkus has done in conjunction with Indira Nair to pull together information on our undergraduate student body. There are some very interesting results, which tell us a lot about our students. This quantitative data complements the qualitative information I've collected through Tartan Teas.

Gathering student information is what we need to do in order to do our jobs better. That's a pretty big part of what this year is about — setting up the systems, interactions and relationships so that Student Affairs and Academic Affairs can continually improve the student experience.

## You have noted that you expect to complete your doctorate at the University of Georgia in May 2010. What is your dissertation topic?

My topic focuses on the relationship students have with the higher education institution they attend and how students perceive this relationship. The research I'm conducting investigates how this relationship influences student behavior regarding issues such as academic honesty and alcohol use.

## Why did you choose student affairs as a profession?

Students have the potential to change the world, and in this profession, you have the opportunity to make it more likely that they'll succeed.



## the PIPER 10/09 Issue

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Carnegie Mellon University publishes an annual campus security report describing the university's security, alcohol and drug, and sexual assault policies and containing statistics about the number and type of crimes committed on the campus during the preceding three years. You can obtain a copy by contacting the Carnegie Mellon Police Department at 412-268-2323. The security report is available through the World Wide Web at [www.cmu.edu/police/](http://www.cmu.edu/police/). Obtain general information about Carnegie Mellon University by calling 412-268-2000.

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## Upcoming Events

### The Giler Humanities & International Relations and Politics Program Lecture

Andrew Sullivan of The Atlantic is a blogger, author and political commentator "American Politics: A View From Home and Abroad" 7 p.m., Monday, Oct. 19 Rashid Auditorium, Gates Center

### International Relations and Politics Program (IRPP)

Eva Maria Höller-Cladders, the former Senior Vice President International Affairs, Central Division External Affairs, Governmental and Political Relations, at Robert Bosch GmbH "Annotations on Europe after the 2009 Parliamentary Elections" 4:30 p.m., Tuesday, Oct. 20 Margaret Morrison Carnegie Hall 103 (Breed Hall)

### Yahoo! Research Lecture

Yehuda Koren, a senior research scientist at Yahoo!, will give the VISTAS lecture. Noon-1:30 p.m., Wednesday, Oct. 21 Hamburg Hall 1502

### University Lecture Series

Admiral Gary Roughead "America's Global Navy: In the Middle East and Beyond" Noon, Wednesday, Oct. 21 Hamburg Hall 1000

### Hunt Institute Exhibition

"Botanicals: Environmental Expressions in Art, the Alisa and Isaac M. Sutton Collection" Oct. 23-June 30 5th Floor, Hunt Library

### University Lecture Series

Alumnus Vijay Palaparty is the author and performer of the dance theater production "Alekhya: Spilling Ink by the Spilling Ink Project." 7 p.m., Saturday, Oct. 24 Kresge Recital Hall, College of Fine Arts

### TechBridgeWorld Interactive 2009

The showcase will highlight student work and celebrate the program's fifth anniversary. 5-7 p.m., Thursday, Oct. 29 Perlis Atrium, Newell-Simon Hall

### University Lecture Series

William "Red" Whittaker, the Fredkin University Professor of Robotics Alumni Distinguished Achievement Award Recipient Lecture 4:30- 5:30 p.m., Thursday, Oct. 29 Rashid Auditorium, Gates Center

### Homecoming

Carnegie Mellon Campus Oct. 30-31 (See page 5 for featured events)

### University Lecture Series

Deborah Moon, vice president for finance and CFO of Carnegie Mellon "How Does the Financing of a University Work?" 4:30 p.m., Monday, Nov. 2 Porter 100, Gregg Hall

### University Lecture Series

Lance Jones, former vice president of Live Nation Pittsburgh, will discuss "Passages: A Life in Tune; Moving With the Music" in this Journeys lecture. 4:30 p.m., Thursday, Nov. 5 Porter 100, Gregg Hall

### Gender Negotiations Lecture

Professor Linda Babcock will discuss strategies for women to overcome obstacles to negotiating, the importance of negotiating and tools to become more effective negotiators. Noon-1:15 p.m., Monday, Nov. 9 Hamburg Hall 1000

### Humanities Center Lecture

Karen Piper, professor of English at the University of Missouri-Columbia "Is Water 'The New Oil'? The New Water Monopolies and the World's Poor" Co-sponsored by the Center for the Advancement of Applied Ethics and Political Philosophy (CAAEP) 4:30 p.m., Monday, Nov. 9 Porter 100, Gregg Hall

For more events, visit <http://my.cmu.edu/site/events/>



# Staff Honored for Citizenship, Commitment, Dedication, Innovation and Culture

## ANDY AWARDS RECOGNIZE STAFF FOR GOING ABOVE AND BEYOND CALL OF DUTY

■ Bruce Gerson

It is an honor to be nominated for an Andy Award. It's an even greater honor to win one. To win two in your career is exceptional. Win three and you're in a league of your own.

That's the case with **Donna Marano**, who hit the trifecta at the 15th annual Andy Awards ceremony in mid-September, when she received the Andy for **Outstanding University Citizenship**. In 1998, she was a member of the SPEX Development Team that won the award for increasing productivity. In 2001, Marano and Liz Fox earned the Andy for innovation as creators of the Research Administration Training and Development program.

Marano, director of finance and administration in the Civil and Environmental Engineering Department, was nominated this year by Professor James Garrett Jr., head of the department, and Denise Murrin-Macey, business manager for Biomedical Engineering. They chronicled Marano's long history of serving on university committees to benefit research administrators and staff. She co-founded the Research Administrators Council and is a founding member of the Learning & Development Advisory Board, created to initiate and evaluate professional development seminars for university staff. In 2002, she initiated and implemented a university certification program for research administrators.

She served for many years on Staff Council and played key roles on committees that helped to develop the university's Sexual Harassment Policy and revise employment benefits for University Librarians. Marano has represented the College of Engineering on four Financial Management project teams.

Marano, a Carnegie Mellon staff member for 34 years, has also been active in external research administration organizations, including the Society of Research Administrators (SRA) International and the National Council of University Research Administrators. In 2005, she received the SRA Excellence Award for knowledge and performance, and the Hartford-Nicholson Award for outstanding service. In 2007, Marano was designated "Distinguished Faculty" by SRA for her outstanding expertise as a research administrator.

"In a multitude of ways, Donna has contributed more to the training of our research administrators than anyone else at the university," said Ron Placone, assistant vice president for Learning & Development in a supporting letter.

"I can't imagine being anywhere else," Marano said.



NOEL TOM NUHFER, DONNA MARANO, ALISON SCHWARTZ, ELIZABETH YAZEMBOSKI AND CORNELL LESANE WERE AWARDED THE 2009 ANDY AWARDS.

### **Alison Schwartz, Outstanding Innovation**

**Alison Schwartz**, who directs the prospect management, bio data, research and reporting training groups for University Advancement, has created and implemented new ways to track fundraising progress and manage prospective donors that have caught the eye of major gift programs nationwide.

"Alison has been possibly the key participant in a number of new initiatives to strategically overhaul the data management of her division," said her nominator Brenda Graham, project director for Administrative Computing.

Some of her achievements include helping to identify the optimal prioritization of prospect pools, and the reporting of metrics highlighting role model fundraising behavior; spearheading the implementation of sending reports to traveling advancement staff; leading the reporting conversion in the move to the Web-based version of the advancement donor database; increasing the prospect pool from 2,500 to more than 9,000; and implementing a process for alumni to provide prospect information to their peers.

"Alison was instrumental in gathering the resources needed and developing the processes to prioritize the prospective donor list to ensure that the front-line fundraising staff is focusing their attention on the best potential donors for the university," said University Advancement's Jaime Porter, Heidi Tracy and Todd Rheinfrank in support of her nomination.

They also lauded Schwartz for partnering with the fundraising management team to craft a training program and

reporting systems for new development officers. The programs and systems are now models for major universities.

"We have been in the development field for over 50 years collectively at a variety of institutions and have yet to see another person with Alison's knowledge, talent and innovative approach to problem-solving," Porter, Tracy and Rheinfrank added.

Schwartz, a 10-year staff member, said winning the award was a team effort. "I couldn't do what I do without the support from my staff and my supervisor," she said.

### **Cornell Lesane, Commitment to Students**

**Cornell Lesane**, associate director of Admission, was nominated for mentoring and driving Carnegie Mellon students to do their best.

"Many of our underrepresented ethnic minority students especially look to Cornell as a mentor, advisor and advocate," said Director of Admission Michael Steidel. "He makes the time for them, listens, encourages and challenges them to take advantage of all the Carnegie Mellon community has to offer.

"If students need his support, he provides it. If students need a connection, he makes it. If students need a sounding board, he listens. If students need advice, he gives it. If students need a helping hand, he extends his. I'm proud to know Cornell Lesane. Carnegie Mellon is a better place because of men and women like him and their willingness to go well beyond what is required to enhance the quality of life for others," Steidel added.

Denise LaGamba, assistant to the

director of Summer Pre-College programs, praised Lesane for his willingness to devote time to prospective students. "Cornell is always on the phone helping families and students early in the morning until after work, answering all their questions and concerns. He will go out of his way to help each one of them," she said.

Lesane said it's a great reward to be recognized by your colleagues. "Throughout my time at Carnegie Mellon I've maintained a strong commitment to the students, and I'd like to believe that I've always had the students' best interest at heart. I've never forgotten that this is all about the students," he said.

### **Noel Tom Nuhfer, Outstanding Dedication**

**Noel Tom Nuhfer**, director of Electron Microscopy and Material Characterization for the Materials Science and Engineering (MSE) Department, was nominated for his work in running the department's microscopy facilities.

"His work is always thorough and professional and his knowledge and expertise is superior," said Professor Gregory Rohrer, head of MSE. "His reputation as one of the best facility directors is well known in the academic electron microscopy community.

"Tom goes beyond expectation by bringing in outside work and funds, and in particular his recent efforts to obtain the funding for the new Titan 80-300 microscope must be recognized. The running of the MSE Department's state-of-the-art facilities and juggling so many users is an incredibly large task and we

CONTINUED ON PAGE FOUR



# Clarke-Led Team Receives \$10 Million From NSF

■ Byron Spice

When Winston Churchill described Russia as “a riddle, wrapped in a mystery, inside an enigma,” he could just as easily have been speaking of pancreatic cancer.

The fourth-leading cause of cancer deaths in the United States and Europe, pancreatic cancer is maddeningly hard to diagnose at a treatable stage. And researchers have had trouble understanding this complex disease because no good animal model exists to help study it.

“The death last year of our computer science colleague Randy Pausch, who had pancreatic cancer, made all of us at Carnegie Mellon appreciate the importance of improved models for this disease,” computer scientist Edmund M. Clarke said.

A new multidisciplinary team led by Clarke will try to address this need and other important modeling challenges with the help of a five-year, \$10 million grant from the National Science Foundation’s Expeditions in Computing program. The grant was funded through the American Recovery and Reinvestment Act (ARRA) of 2009, otherwise known as the stimulus bill. They have set out to create revolutionary computational tools that will advance science on a broad array of fronts, from discovering new cancer treatments to designing safer aircraft.

The researchers will combine Model

Checking and Abstract Interpretation, two methods that have been successful in finding errors in computer circuitry and software, and extend them so they can provide insights into models of complex systems, whether they are biological or electronic.

Specifically, computer scientists, biomedical researchers and engineers from eight leading research institutions will use the techniques to better understand what causes deadly pancreatic cancer and the common heart rhythm problem known as atrial fibrillation. At the same time, they will use the techniques to study the embedded computer

approaches to modeling across the spectrum that ultimately will improve health and safety. With this new initiative, I think we finally have achieved the critical mass of expertise and effort needed to crack these puzzles.”

In addition to Clarke, who is one of the co-inventors of Model Checking, the research team includes project Deputy Director Amir Pnueli, a New York University computer scientist and a Turing Award winner for his work on systems verification. Among the other notables on the team are Patrick Cousot, an NYU computer scientist and co-inventor of abstract interpretation, and James Glimm,

can analyze. Abstract Interpretation, by contrast, doesn’t attempt to look at every possible state of a system but to develop a simplified approximation of a system that preserves the particular properties that need to be assessed. This makes it possible to analyze very large, complex systems, such as the one million lines of code in the Airbus A380’s primary flight control system, but with less precision than is possible with Model Checking.

In this new project, the researchers plan to take advantage of the strengths of both methods by tightly integrating the two into what they call MCAI 2.0.

Research will be coordinated through a new Institute for Model Discovery and Exploration of Complex Systems, which will be headquartered in Carnegie Mellon’s newly constructed Gates Center for Computer Science.

Considerable education and outreach activities are planned, which include an interdisciplinary educational program in complex systems science and minority-focused summer workshops on complex embedded and biological systems.

Clarke emphasized that Carnegie Mellon will use the bulk of its project money to support graduate students. In addition to the NSF grant, the School of Computer Science and the Ray and Stephanie Lane Center for Computational Biology at Carnegie Mellon are providing supplemental support for the project.

**“WITH THIS NEW INITIATIVE, I THINK WE FINALLY HAVE ACHIEVED THE CRITICAL MASS OF EXPERTISE AND EFFORT NEEDED TO CRACK THESE PUZZLES.” — EDMUND CLARKE**

systems that are increasingly critical to aircraft and automobiles.

“Biological and embedded computer systems may be on opposite ends of the research spectrum, but they pose similar challenges for creating and analyzing computational models of their behavior,” said Clarke, the FORE Systems University Professor of Computer Science and the 2007 winner of the Association for Computing Machinery’s Turing Award, the computer science equivalent of the Nobel Prize. “Solutions to these problems at either end will enable new

a National Medal of Science winner who heads the Department of Applied Mathematics and Statistics at the State University of New York at Stony Brook.

Model Checking is the most widely used technique for detecting and diagnosing errors in complex hardware and software designs. It considers every possible state of a hardware or software design and determines if it is consistent with the designer’s specifications; it produces counterexamples when it uncovers inconsistencies. It is limited, however, by the size of the systems it

## Andy Awards Recognize Staff for Going Above and Beyond CONTINUED FROM PAGE THREE

are most fortunate to have Tom as part of MSE,” Rohrer added.

Professor Marc De Graef, Nuhfer’s direct supervisor, supported his nomination.

“Tom works long hours, often during the weekend and at night, pushing the instruments to their theoretical limits of resolution, and he consistently manages to obtain high quality (and publishable) scientific results. ... I owe a portion of my own success to Tom’s continuous assistance in training my students, in providing whatever technical support is needed during microscope observations and in identifying which experimental observation modes might be most appropriate for a given sample,” De Graef said.

A member of the university staff for 42 years, Nuhfer called the award a “capping glory” for his work.

### **Elizabeth Yazemboski, Outstanding Culture**

Elizabeth Yazemboski, director of Conference and Event Services, fosters a caring and supportive work environment for her staff, stressing the importance of professional development and a positive work/life balance. She’s even been known to cook breakfast for her staff.

“The staff in our office frequently

comment that they cannot imagine having a supervisor who is more fair, committed and available to her employees than Beth,” said nominator Bethany Rutter. “She exemplifies intelligence, hard work and dedication in her role to her staff every single day.”

Rutter said Yazemboski urges her staff to take advantage of professional development opportunities on and off campus, often accompanying them to various sessions. “She has also fully supported me in my quest for a master’s degree,” Rutter said.

In a supporting letter, Carolyn Manley said Yazemboski, a wife and mother of two young children, “gets the work/life balance ideal and reminds us to do what we have to do to be healthy, spiritually, physically and mentally. I’ve been on campus for 21 years and while I’ve had some great bosses to work for, Beth is the one who is best at fully addressing my needs as more than just an employee. She says we work with her, not for her.”

Monica Galmarini said Yazemboski is always looking for ways to improve the work environment “so that her employees are happy, motivated and enjoy being at work. ... Beth is always giving her staff credit for achievements when credit is due. Her staff frequently receives hand-written thank you notes for

working hard during large events, which greatly improves morale,” Galmarini said.

Yazemboski, a 12-year staff member, said she’s very appreciative of her

staff. “We spend so much time together that it’s extremely important to make a personal investment in each person. I am very fortunate to have a staff that is dedicated and hard working,” she said.

## An Electric Week



PRESIDENT JARED COHON (IN THE DRIVER’S SEAT) WRAPPED UP AN ELECTRIFYING G-20 WEEK ON CAMPUS WHEN HE AND PENNSYLVANIA GOVERNOR ED RENDALL (IN PHOTO), ALONG WITH ALLEGHENY COUNTY EXECUTIVE DAN ONORATO AND PITTSBURGH MAYOR LUKE RAVENSTAHL, WELCOMED CT&T, THE LARGEST ELECTRIC VEHICLE MANUFACTURER IN THE WORLD, TO CARNEGIE MELLON. RENDALL ANNOUNCED THAT THE SOUTH KOREAN COMPANY WOULD BE BRINGING 200 TO 300 JOBS TO THE REGION. FOR MORE G-20 BUZZ, SEE PAGES 6-8.

# Interim Director Aims To Increase Number of Alumni Volunteers

■ Heidi Opdyke

If you don't find Jay Price in his downtown office, you might find him roaming campus.

"When I walk on campus and see the energy, the diversity, and the intellectual curiosity of today's students, I know they will bring those same traits when they become tomorrow's alumni. These four or five years are actually a small part of what we hope will be a 60 or 70 year lifelong relationship with the university," said Price (S'66), the interim associate vice president for University Advancement and director of Alumni Relations.

Price is temporarily succeeding Judy Cole who left the university in July to become MIT's Alumni Association executive vice president and chief executive officer.

"Having an alumnus with Jay's strong management experience and deep commitment to the university in this transitional role will allow the division to continue the important work it has started without missing a beat," said Robbee Baker Kosak, vice president of University Advancement.

Price has several plans he hopes to implement while the university conducts a search for Cole's permanent successor. Among them is a goal to increase the number of alumni volunteers.

The Alumni Association is working to create ways for alumni to feel a greater sense of ownership in the university through getting involved with their chapters, reunions, interest groups or through partnership with student services such as the Career Center, student affairs and other outreach organizations.

"The alumni are key stakeholders, and it's a partnership with the university. How well the university succeeds impacts them and future generations of Carnegie Mellon alumni," Price said. "They want to be known as having graduated from a university that's ranked among the top in the country."

One way Price hopes alumni will show their commitment to Carnegie Mellon is by attending Homecoming & Reunion Weekend, which will be held on Oct. 30-31.

"As always, we hope to see many alumni and students participating in the Homecoming festivities," Price said. "The Alumni Awards event is always a highlight. We have many amazing alumni, and it is always a challenge for the Awards Committee to make the final selections."

This year's Alumni Awards

ceremony will take place at 5:30 p.m. on Friday, Oct. 30 in Rangos Hall.

Alumni will be honored for outstanding service to the university and for achievement in their careers. Among the alumni being honored this year are Jeffrey L. Zaslow (HS'80), "The Last Lecture" co-author, and Ralph J. Guggenheim (HS'74, S'79), CEO of Alligator Planet and founding member of Pixar Animation Studios. William "Red" L. Whittaker (E'75, '79) will deliver the Alumni Distinguished Achievement Award Recipient Lecture on Thursday, Oct. 29, at 4:30 p.m. as part of the University Lecture Series. All alumni, students, faculty, staff and friends are invited to attend both the lecture and the Alumni Awards Ceremony.

Homecoming reunion celebrations this year will be for the classes of 1984, 1979, 1974, 1969, 1964, 1959, 1954, 1949, 1944 and 1939, which will complete the current reunion cycle. Starting this spring, all reunions will take place during Spring Carnival & Reunion Weekend.

Prior to joining University Advancement, Price was actively involved with the university as the immediate past-president of the Alumni Association. He graduated from Carnegie Mellon with a bachelor's degree in mathematics and earned an MBA from the University of Pittsburgh. He worked for Procter & Gamble in information technology for 36 years, retiring in January 2004. In addition to his IT responsibilities, for many years he had overall responsibility for all Procter & Gamble recruiting at Carnegie Mellon.

"We used to hire three to five students a year," Price said. "We brought them into information technology, research and development and purchasing. Purchasing is fascinating because students don't usually think about it as a career option, but they really got hooked on it, and they develop very strong negotiating, analytical and communications skills."

Procter & Gamble continues to have a good relationship with the university. "I can tell by the Cincinnati (Alumni) Chapter because it's mainly Procter & Gamble people — a lot of young people — and they've done really well," he said.

Since retiring from the company in 2004, Price has devoted much of his time to working with non-profit organizations including the United Way, currently serving as the Chair of the Cincinnati Hearing, Speech and Deaf Center, and is a past president of the American Jewish Committee's Cincinnati Chapter.

# Industrial Design Program Celebrates 75 Years

■ Eric Sloss

The School of Design is celebrating the 75th anniversary of the official launch of the nation's first industrial design program with a series of events on campus from noon to 5 p.m. on Saturday, Oct. 31 in Margaret Morrison Carnegie Hall during Homecoming weekend. The events are being organized by Stephen Stadelmeier, associate head of the School of Design, Mark Baskinger, associate professor of design, and Sarah Johnson, visiting associate professor of design.

"The 75th anniversary of the industrial design program enables us to reflect upon the forward-thinking attitudes, approaches and pedagogies over the decades that have shaped the way industrial design is practiced and taught today," Baskinger



**ONLINE: FOR MORE INFORMATION OR TO REGISTER FOR EVENTS, VISIT [WWW.DESIGN.CMU.EDU/ID75](http://WWW.DESIGN.CMU.EDU/ID75).**

said. "As we look through the past in assembling a historical profile of our program, we are inspired by the early doctrine of the pioneering faculty that established a professional degree-granting program in 1934, espousing human-centered design and produced students who advanced the discipline and its impact on society."

Events include an exhibition of student work, tours of the School of Design, video booths to share your design memories, faculty and student presentations, alumni panel discussions and a reception and expo. Industrial design students and alumni are being asked to provide examples of their work and share their design stories to provide a rich depiction of the program's history.

Since 1934, the industrial design program has taught and prepared students to design products in support of human activities and interactions. The program encourages human observation, modeling and testing to preserve the richness of the visual and formal traditions in the field.

Industrial design students pursue careers in industrial/manufacturing equipment design, design research and education, medical equipment design, information/technology design, consumer products, exhibits/environments and automotive design, providing the world with services, systems and tangible artifacts.

## Homecoming Highlights

**Thursday, October 29**  
**Alumni Distinguished Achievement Award Recipient Lecture**  
Presented by William "Red" L. Whittaker (E'75, '79)  
4:30-5:30 p.m., Rashid Auditorium, Gates Center  
Online registration is required at [www.cmu.edu/homecoming](http://www.cmu.edu/homecoming).

**An Evening of Comedy & Music**  
Enjoy performances by Argyle's Revenge, the winner of the 2009 Battle of the Bands, before being entertained by Irony City, an improv group featuring alumni Adam Atkinson (HS'06), Chris Gillotti (TPR'05) and Brian Gray (HS'06), followed by comedian Tim Dimond (HS'08).  
9 p.m., Rangos Ballroom, University Center (UC)  
Online registration is required at [www.cmu.edu/homecoming](http://www.cmu.edu/homecoming).

**Friday, October 30**  
**Meet the Next Generation of Artists, Inventors & Scientists: Undergraduate Research at Carnegie Mellon**  
Learn how amazing the current students are and what they are doing. Hear them talk about their exciting, even groundbreaking, research projects.  
2-3 p.m., McKenna, Peter, and Wright rooms, UC

**Alumni Awards Ceremony**  
Join in this celebration as the Alumni Association honors outstanding contributions by alumni, faculty and students to Carnegie Mellon and the world at large. All are welcome. A reception will immediately follow the ceremony.  
5:30-9 p.m., Rangos Hall, UC  
Online registration is required at [www.cmu.edu/homecoming](http://www.cmu.edu/homecoming).

**Highland Games**  
The Student Homecoming Committee hosts a family friendly event filled with Scottish heritage!  
8 p.m., The Cut

**Saturday, October 31**  
**President's Address & Student Life Panel**  
President Jared L. Cohon will address alumni, faculty, staff, friends and students on the current state of the university and what lies ahead. Current students will share their perspectives on Carnegie Mellon life today.  
10-11:30 a.m., McConomy Auditorium

**Pittsburgh Then and Now: An Environmental Transformation**  
Join the Steinbrenner Institute and CIT for its Fifth Annual Environmental Dialogue.  
11:30 a.m.-1 p.m., Tartans Pavilion  
Online registration is required at [www.cmu.edu/homecoming](http://www.cmu.edu/homecoming).

**All Campus Tailgate**  
The excitement is building as the Tartans get ready to take on the Bears. Join the Kiltie Band and cheerleaders for lunch and fun!  
11:30 a.m.-1:30 p.m., Wiegand Gym, UC

**Carnegie Mellon Tartans vs. Washington University Bears**  
1 p.m., Gesling Stadium

**Industrial Design Faculty & Student Presentations**  
See the incredible projects students engage in and learn how the courses deliver a world-class education. View presentations of past and current work. For more information, please visit [www.design.cmu.edu/id75/](http://www.design.cmu.edu/id75/).  
1-2:30 p.m., A14 Margaret Morrison Carnegie Hall (MMCH)

**Industrial Design 75th Anniversary Panel Discussion**  
Come hear stories and historical accounts from key alumni and learn how the Industrial Design program has had an incredible impact over its 75 years.  
2:30-4 p.m., A level, MMCH

For a complete list of events visit [www.cmu.edu/homecoming](http://www.cmu.edu/homecoming).



# G-20 Buzz: Carnegie Mellon's Community Created

## Students Welcome the World, Engage in G-20 Issues

■ Abby Houck

As the G-20 descended upon Pittsburgh, news outlets around the world spread the message about Pittsburgh's transformation. Carnegie Mellon students sent a clear message of their own: They are passionate about engaging the global community and contributing to thoughtful discussions about issues of international importance.

Many faculty members, including Candace Skibba of the Department of Modern Languages, noted a high level of engagement in classroom discussions. "I have been privy to many insightful, interested and opinionated conversations by my students regarding the purpose of the G-20 and the demonstrations in support of and against the delegation," she said.

The following is a sample of the many efforts students led to raise awareness of international issues related to the G-20 and the ways they assisted community organizations in welcoming Pittsburgh's visitors.

In August, students and others traveled to the West End Overlook and Washington's Landing to tape welcome messages for international visitors in their native languages. The messages, created in partnership by the Allegheny Conference on Community and Economic Development and VisitPittsburgh, were played at kiosks in downtown hotels and businesses. They also are available at <http://www.youtube.com/user/PghG20Partnership>.

During the week prior to the G-20 Summit, students organized on-campus activities to increase awareness of the issues world leaders would be discussing at the David L. Lawrence Convention Center. Students from Sustainable Earth planted a "G-20 tree" near Scaife Hall to send a symbolic message that the economy and ecology can and should grow stronger together. Student Government and the Activities Board Special Events hosted a G-20 Awareness Fair

CONTINUED ON PAGE NINE

STUDENTS FROM SUSTAINABLE EARTH AND CIVIL AND ENVIRONMENTAL ENGINEERING RELEASE DOVES DURING THE G-20 TREE PLANTING CEREMONY DESIGNED TO BRING ATTENTION TO GLOBAL ENVIRONMENTAL ISSUES.

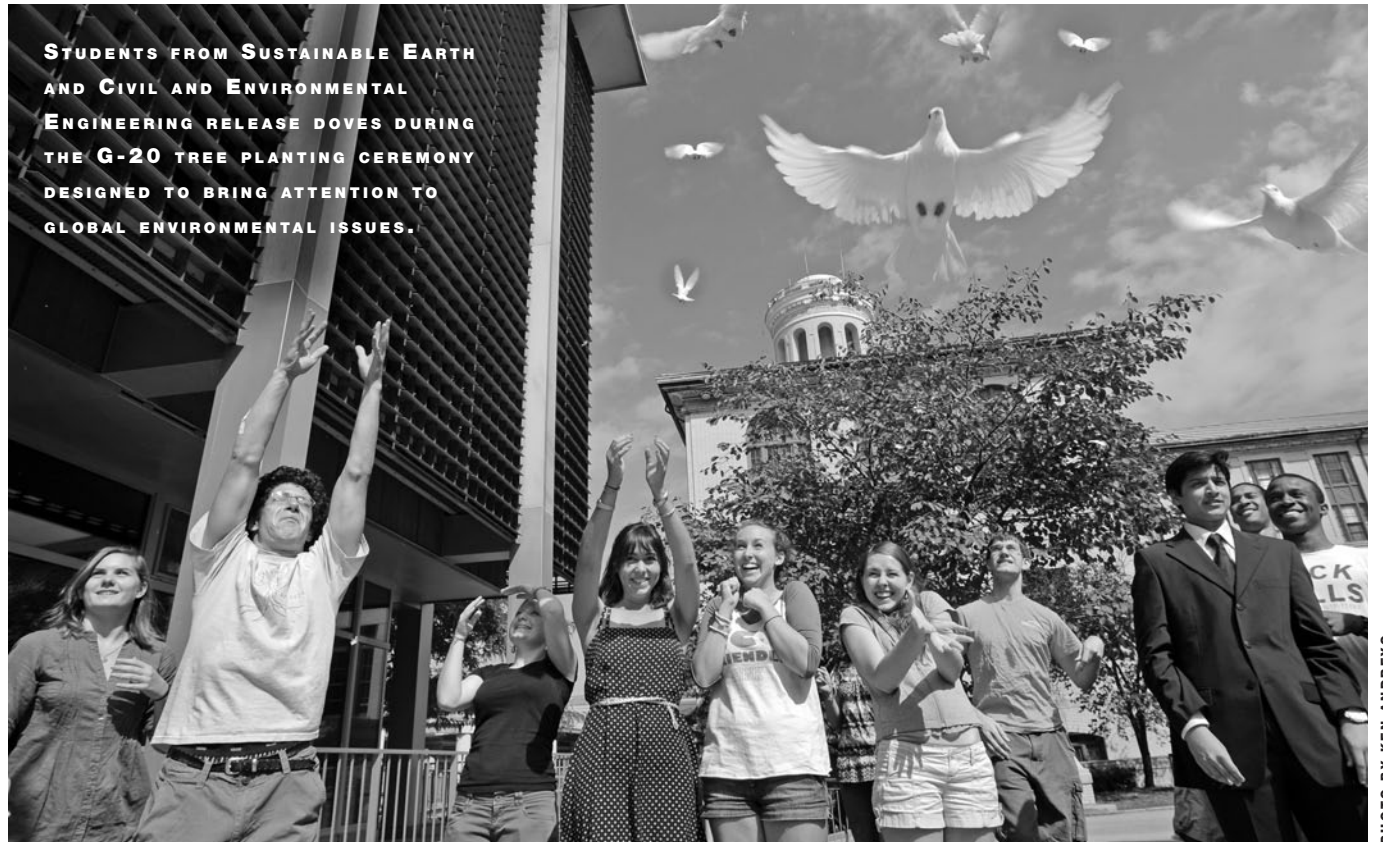


PHOTO BY KEN ANDREYO

RIGHT: SARAH STRANO AND OTHER STUDENTS TIE NATIONAL FLAGS TO A BLACK GUM TREE PLANTED IN FRONT OF SCAIFE HALL AS PART OF THEIR MESSAGE THAT THE ECONOMY AND ECOLOGY CAN AND SHOULD GROW STRONGER TOGETHER.



PHOTO BY KEN ANDREYO

BELOW: SARAH CEURVORST DIRECTED FELLOW STUDENTS IN CREATING AN ENORMOUS "HELP WANTED" SIGN ON THE INTRAMURAL FIELD TO SUPPORT FINDING COMMON GROUND AND AIDING OTHERS IN PEACE. A GIGAPAN IMAGE OF THE HELP WANTED SIGN IS AVAILABLE AT THE PIPER+.



PHOTO BY HEIDI OPDYKE



PHOTO BY NINA SARNELLE

AN INSTALLATION ART PROJECT TITLED "WE ARE WATCHING YOU" COULD BE SEEN AROUND CAMPUS FOR TWO WEEKS.

A SHANTYTOWN SURROUNDING THE FENCE SERVED AS A MEETING PLACE FOR PEOPLE TO EXPRESS DIFFERENT VIEWPOINTS DURING THE WEEK OF THE G-20 SUMMIT.



PHOTO BY HEIDI OPDYKE



# a Wealth of Activity Around the G-20 Summit



PHOTO BY KEN ANDREYO

FACULTY, STAFF AND STUDENTS PROVIDED TOURS AND DEMONSTRATIONS DURING THE WEEK FOR VISITORS. MASAAKI KUMAGAI, VISITING PROFESSOR IN THE ROBOTICS INSTITUTE, AND PH.D. STUDENT UMASHANKAR NAGARAJAN, DISCUSS BALLBOT, A ROBOT WITH A HIGH CENTER OF GRAVITY AND A SMALL FOOTPRINT.



PHOTO BY KEN ANDREYO

FROM LEFT, GUY COSTA, PITTSBURGH PUBLIC WORKS DIRECTOR, AND JURIJ PARASZCZAK, DIRECTOR OF EMERGING BUSINESS RESEARCH AND THE SMARTER PLANET INITIATIVE AT IBM, TALK WITH JAMES H. GARRETT JR., HEAD OF CIVIL AND ENVIRONMENTAL ENGINEERING, AND ANTHONY ROWE, AN ENGINEERING STUDENT, ABOUT ROWE'S WORK AFTER A PRE-G-20 PANEL SESSION RELATED TO "SMART" INFRASTRUCTURE TECHNOLOGIES.



**ONLINE: FOR VIDEOS AND IMAGES CAMPUS ACTIVITY DURING THE G-20 SUMMIT, VISIT THE PIPER+ AT [WWW.CMU.EDU/NEWS/NEWS-NOTES/PIPER/INDEX.SHTML](http://www.cmu.edu/news/news-notes/piper/index.shtml)**



PHOTO BY LARRY RIPPEL

G. GRANGER MORGAN, HEAD OF ENGINEERING AND PUBLIC POLICY, MODERATED A PANEL OF JOURNALISTS ABOUT COVERING THE G-20 SUMMIT. PARTICIPANTS INCLUDED JAMES R. (BOB) HAGERTY, FROM THE WALL STREET JOURNAL.

RIGHT: ALLAN MELTZER, THE ALLAN H. MELTZER UNIVERSITY PROFESSOR OF POLITICAL ECONOMY, SAID BANKS SHOULD BE ALLOWED TO GROW, BUT FORCED TO HOLD MORE CAPITAL TO BUTTRESS THEMSELVES AGAINST LOSSES FROM BAD LOANS, DURING A PANEL DISCUSSION SPONSORED BY THE NATIONAL FLAG FOUNDATION.



PHOTO COURTESY OF THE ART INSTITUTE



PHOTO BY KEN ANDREYO

LEFT: U.S. AMBASSADOR TO IRELAND DANIEL ROONEY JOINED TOP MINDS FROM GOVERNMENT, BUSINESS, POLICY AND EDUCATION FOR A CONFERENCE TITLED "RENEWING GLOBALIZATION IN A POST-CRISIS WORLD: THE FUTURE OF THE G20 AGENDA." IN CONJUNCTION WITH THE EVENT, CO-HOSTED BY THE ATLANTIC COUNCIL OF THE UNITED STATES AND CARNEGIE MELLON AND SUPPORTED BY THE U.S. CHAMBER OF COMMERCE, CARNEGIE MELLON UNIVERSITY PRESS RELEASED A REPORT, WHICH CAN BE DOWNLOADED AT THE PIPER+, FEATURING ESSAYS BY MANY OF THE SPEAKERS. "THE ISSUES THAT AFFECT OUR LIVES ARE NOT SOLELY ECONOMIC, POLITICAL OR SOCIAL, BUT ARE RATHER SOME COMBINATION OF ALL OF THEM," SAID KIRON K. SKINNER, AN ASSOCIATE PROFESSOR OF SOCIAL AND DECISION SCIENCES AND DIRECTOR OF THE INTERNATIONAL RELATIONS AND POLITICS PROGRAM, WHO ALONG WITH ALEXEI MONSARRAT OF THE ATLANTIC COUNCIL, LED THE DAYLONG CONFERENCE AND REPORT.



PHOTO BY HEIDI OPDYKE

IN THE RUN-UP TO THE SUMMIT, PRESIDENT COHON, UNIVERSITY OF PITTSBURGH CHANCELLOR MARK NORDENBERG AND UPMC PRESIDENT AND CEO JEFFREY ROMOFF DISCUSSED PITTSBURGH'S TRANSFORMATION INTO A KNOWLEDGE-BASED ECONOMY AT SOLDIERS AND SAILORS MEMORIAL HALL. WATCH A VIDEO OF THE DISCUSSION ONLINE AT THE PIPER+.

RIGHT: LEE BRANSTETTER, ASSOCIATE PROFESSOR OF ECONOMICS AT THE HEINZ COLLEGE, MAKES A POINT DURING A G-20 PRIMER FOR THE CAMPUS COMMUNITY IN MID-SEPTEMBER. JOINING BRANSETTER ON THE DAIS WERE (LEFT TO RIGHT) GABRIEL SOD HOFFS, AN ECONOMIC STRATEGIST AT FARALLON CAPITAL MANAGEMENT; MARVIN GOODFRIEND, PROFESSOR OF ECONOMICS AND CHAIRMAN OF THE GAILLIOT CENTER FOR PUBLIC POLICY AT THE TEPPER SCHOOL; ROBERT WILBURN, DISTINGUISHED SERVICE PROFESSOR AND DIRECTOR OF THE HEINZ COLLEGE IN WASHINGTON, D.C.; AND JENDAYI FRAZER, DISTINGUISHED SERVICE PROFESSOR AT THE HEINZ COLLEGE AND THE COLLEGE OF HUMANITIES AND SOCIAL SCIENCES.



PHOTO BY GLENN BROOKES



# Lane Center Becomes New SCS Academic Unit

■ Byron Spice

Carnegie Mellon's School of Computer Science (SCS) has added computational biology to its educational mix by incorporating the Ray and Stephanie Lane Center for Computational Biology as a new academic unit.

The interdisciplinary research center, established two years ago, will function as a department within SCS, making it the first computational biology department in the country to be part of a computer science school.

"Carnegie Mellon has strong traditions of interdisciplinary research and of pioneering new fields, such as computational biology, that occur at the intersections of those disciplines," said Randal E. Bryant, SCS dean. "The Lane Center, under the leadership of Robert F. Murphy, has demonstrated the powerful synergy that occurs when computational thinking is applied to biological science. We believe computational biology will continue to flourish as part of SCS."

The announcement was made Sept. 22 at a ribbon-cutting ceremony marking the Lane Center's move into the new Hillman Center for Future-Generation Technologies. That ceremony preceded the dedication later that day of both the Hillman Center and the adjoining Gates Center for Computer Science.

Pittsburgh native Ray Lane, chairman of the Carnegie Mellon Board of Trustees and general partner of Kleiner,

Perkins, Caufield and Byers, and his wife Stephanie gave \$5 million to the university in 2007 to establish the Lane Center, endow a professorship and support doctoral and post-doctoral training in computational biology.

"Two years ago, we believed that computational biology and especially Carnegie Mellon's computational and imaging capabilities held great promise to advance research on devastating diseases such as cancer," Lane said. "The scientific progress we've seen since then has only underscored this belief. We look forward to what these remarkable scientists can achieve as part of one of the world's leading computer science schools."

The Ph.D. Program in Computational Biology, a joint program of Carnegie Mellon and the University of Pittsburgh that started in 2005, already has graduated its first student, Byoungkoo Lee. Lee's thesis, "Stochastic Off-Lattice Simulations of Binding Chemistry in Crowded Conditions," was advised by Associate Professor of Biological Sciences Russell Schwartz. Lee plans to continue working with Schwartz as a post-doctoral researcher.

Among other accomplishments, Lane Center researchers have developed analytical techniques for determining the genes that contribute to complex disease syndromes such as diabetes, asthma and cancer; invented tools for showing



PHOTO BY KEN ANDREYO

BYOUNGKOO LEE IS THE FIRST GRADUATE OF THE PH.D. PROGRAM IN COMPUTATIONAL BIOLOGY.

how genetic networks evolve as organisms develop; detected mechanisms that allow genes to fill-in for similar genes that have been disabled; developed methods for checking the consistency of biochemical models; identified more than 100 genes that are inactivated in malignant cells and are potential targets for drug therapy; created complex simulations of molecular events within cells; and developed methods for accelerating the automated analysis of cell behaviors.

"Many of the Lane Center's investigators already are SCS faculty members, so that makes the school a natural home for computational biology," said Murphy, the center director and the Ray and Stephanie Lane Professor of Computational Biology. "But this field will always be highly interdisciplinary."

## You Can Get There

CONTINUED FROM PAGE ONE

**Mastering the Helix:** In the heart of the Gates Center is a giant spiral walkway called the Helix that connects the third through fifth floors. It has a gentle slope and is ADA-compliant. But it's not equally convenient for all entrances and not necessarily the fastest way through the building.

The Helix will be most handy to people entering via the Pausch footbridge and heading toward Newell-Simon Hall — the uppermost entry to the Helix is directly across from the entrance to the footbridge, and the fourth-floor access to the Helix is at the southwest corner of the building.

By contrast, people entering from the fifth-floor entrance facing Warner Hall would have to cross the building to reach the Helix and people entering from Forbes Avenue would have to walk the entire length of the two buildings to reach the Helix.

Access to the base of the Helix is opposite the entry door on the third floor.

**Stairing Contest:** Stairs are often a quicker alternative. One stairwell is behind the elevators; the elevators are located to the left of the fifth-floor entrance facing Warner Hall and, on the third floor, straight in from the third-floor main entrance. A second stairwell is on the south side of the building.

**Forget the Weather:** People entering from Forbes Avenue now have a long, dry route across campus in all types of weather. By walking through the Hillman Center, turning left at the elevators and then right, people are on a path that sends them to the left toward the fourth-floor enclosed bridge to Newell-Simon, which in turn has an enclosed fourth-floor bridge to Wean Hall. From Wean, walkers can connect to Doherty Hall on the fifth floor or, by following the 4600 corridor and then heading outside.

**Green Walk:** People who are looking for an open-air route from The Cut to the west campus quad now have one, via the Gates green roof. By taking the outdoor stairs from The Cut (or the Doherty East elevator to the C level), people can connect with a new path leading across the Gates green roof; they can enter Gates through the side stairwell or directly into the Café Cluster, or continue on the path beyond Gates.

**Meet Me in Hillman 3101:** The Hillman Center presents a prank waiting to happen on the unsuspecting — the bottom floor of the Hillman Center is the fourth floor. For that matter, floors 1-2 of the Gates Center would probably be called the basement and sub-basement in any other building.

Planners were trying to simplify campus navigation: the fourth floor of the Gates and Hillman Centers corresponds to the fourth floors of Newell-Simon and Wean halls.

**Other stuff, sites:** A café is slated to open on the third floor of Gates this month. Classrooms and the 246-seat Rashid Auditorium are on the fourth floor. A public terrace with seating facing west is on the sixth floor. A popular view is in the ninth-floor Reading Room, overlooking The Cut. The unusually shaped stairs are popularly known as "Hogwarts stairs."

# Architects Design Centers To Foster Community

■ Byron Spice

People ask architect Mack Scogin lots of questions about the Gates Center for Computer Science and the Hillman Center for Future-Generation Technologies but perhaps none so often as this one: Why are they so complicated?

"Visitors here will be a little disoriented," Scogin acknowledged during a walkthrough prior to the Sept. 22 dedication. Each floor is different in size, shape and layout. Entry is via five main entrances and two side doors on three levels. Hallways veer off in every direction. Even from the outside, the zinc-clad building can look dramatically different depending on the angle of one's gaze.

But what a first-time visitor might see as complexity, Scogin sees as choices — options that allow people to use and experience the building in their own way. "Every single person who comes into this building has to feel that they own it," he maintained. All of those entrances, for example? "In our minds, that's an advantage," he said, giving people lots of ways to get in, out or through the building.

To foster that feeling of ownership, Scogin and his colleagues at Mack Scogin Merrill Elam Architects in Atlanta treated each part of the building as if it were a separate neighborhood,

each with its own look and feel. Three-story atriums in the upper floors of both the Gates and Hillman buildings feature zig-zag stairways that have become known as "Hogwarts stairs." A four-story, glass-walled "impluvium," open at the roof line, draws in natural light, as well as rain and snow (which drain from a sixth-floor rock garden) to the interior of the Gates Center. A winter garden lies in a courtyard formed by the two buildings, which feature five green roofs. A sixth-floor terrace overlooks the western campus; a ninth-floor Reading Room offers dramatic views of The Cut.

A 630-foot-long spiral walkway, called the Helix, connects floors 3-5 of Gates and wraps around two of the building's 10 classrooms, housed in a structure that Scogin calls "The Rock." The third floor will feature a café, due to open this month, along with tables equipped with outlets for power-hungry laptops.

"People work together here, and they work together in all sorts of ways," Scogin said. So the building's 310 offices enable people to work alone if they choose, but also feature four-foot-wide doors that encourage colleagues to poke their heads inside. Lots of informal

meeting spaces are interspersed throughout the building.

The combination of almost 21,000 square feet of interior glass and seven atriums create long interior sightlines, while the unusual building shapes and 72,000 square feet of exterior glass present additional opportunities for people to see each other.

"You will find all sorts of visual connections as you walk through the buildings," said Guy Belloch, the School of Computer Science associate dean for planning. "From my office I can see across to Carlos Guestrin and Manuela Veloso's offices. I find myself calling them and then talking while we see each other through our large windows."

Creating those visual connections was one of many goals established at the outset of the building project by a faculty-staff committee headed by Belloch.

"We made what we thought was an impossible request, which was to have natural daylight in all offices, in all conference rooms, in all open project spaces, in all hallways, and in most classrooms," he said. The architects "met and surpassed our seemingly impossible demand."



# H&SS Dean Celebrates 40 Years at Carnegie Mellon

■ Shilo Raube

When statistics professor Stephen Fienberg realized that his longtime colleague and friend John Lehoczky, dean of the College of Humanities and Social Sciences (H&SS) and the Thomas Lord Professor of Statistics, had been at Carnegie Mellon for 40 years, he knew he had to do something to mark the occasion.

“Not only is John the only person in the history of the Statistics Department to reach the 40-year milestone, without him, Carnegie Mellon wouldn’t be the great institution it is today,” Fienberg said.

So, Fienberg organized a surprise seminar to honor Lehoczky in mid-September in the Giant Eagle Auditorium. Fienberg and Steven Shreve, professor of mathematical sciences, introduced Lehoczky. UCLA’s Thomas Liggett, an acclaimed probabilist who was recently elected to the National Academy of Sciences and a friend of Lehoczky from their undergraduate days at Oberlin College, gave a lecture.

Fienberg noted that in the last 25 years, Lehoczky has been increasingly involved in the administration of H&SS,

servicing roles from acting department head to department head and now dean. “His insightfulness, attention to detail and commitment to students, colleagues and Carnegie Mellon are why H&SS and the Statistics Department keep growing,” he said.

Lehoczky isn’t slowing down, either. He continues to build the humanities programs and strengthen the college’s pioneering role in cognitive science, decision sciences and philosophy, while working on his own research to develop methods that combine system scheduling with performance evaluation. He still teaches in the Master of Science in Computational Finance (MSCF) program that he helped to create — a first of its kind joint interdisciplinary degree from the Tepper School of Business, the Mathematical Sciences Department, the Statistics Department and the H. John Heinz III College.

“John is more than a partner in research,” said Shreve, who has worked with Lehoczky for 15 years. “He’s a better mentor than anyone could ask for, and without John, there wouldn’t be a MSCF.”



JOHN LEHOCZKY (SECOND FROM LEFT) TALKS WITH PROFESSOR STEPHEN FIENBERG BEFORE THE SYMPOSIUM HELD IN LEHOCZKY’S HONOR. ALSO IN THE PHOTO ARE PROFESSORS STEVE SHREVE AND BILL EDDY.

Speaking at the surprise seminar, Lehoczky admitted he heard about the special tribute beforehand but was truly honored.

“As dean, I actively try to stay out of the limelight and instead showcase my colleagues’ outstanding work,” he said. “It’s been a pretty interesting ride.”

## Students Welcome G-20 CONTINUED FROM PAGE SIX

at the Fence, which brought together student organizations such as Amnesty International, FORGE, Atheist Humanist Agnostics and the International Student Union.

Media visits on campus increased during G-20 week, beginning with Carnegie Mellon’s involvement in the Eds-Meds Partnership event with the University of Pittsburgh and UPMC. Civil and environmental engineering Ph.D. student Eric (Zhiqiang) Li of Zhengzhou City, China, served as an interpreter for visiting journalist Judith Chen of Radio France Internationale. Chen interviewed Christopher Weber, a research assistant professor in the Department of Civil Environmental Engineering, about his research on the environmental implications of globalization and international trade.

Student journalists from The Tartan worked alongside hundreds of professional journalists to cover events unfolding downtown. CmuTV provided television coverage of the Gates and Hillman centers dedication and Australian Prime Minister Kevin Rudd’s address.

Students from the Persian Students Association also got in the game. The group joined with the University of Pittsburgh’s Iranian Cultural Organization to host a co-ed soccer match at Gesling Stadium to show solidarity with the Iranian reform movement.

The arts played an important role in student activism. A group of 10-15 students led by Austin Redwood and Carolina Ramos, seniors in the Bachelor of Humanities and Arts program, created a shantytown surrounding the Fence. Small windmills jutted from the roof of

one shanty, while “defend life, not profits” was written on the side of another structure.

After living at the Fence for more than a week, Redwood was pleased at the impact of the shantytown.

“We wanted to deliver a message of coherence while being as apolitical as possible,” he said. “This project united everyone to build something together while expressing many different viewpoints about issues related to the G-20.”

These issues included global economic policy, financial revisions and climate change.

Nina Sarnelle, an MFA student, created an installation art project titled “We Are Watching You” to demand more transparency surrounding decisions made by financial ministers and heads of state engaged in the G-20. Four-foot cut-outs of George Orwell’s “Big Brother” gazed from windows and buildings throughout campus for two weeks. Sarnelle encouraged fellow students to engage in “a method of counter-surveillance” culminating in a silent protest on the Cut during the Thursday, Sept. 24 dinner for world leaders at Phipps Conservatory. Protesters received masks resembling the Orwellian Big Brother and faced the Phipps Conservatory.

“The G20 Summit can lock the doors, barricade the streets, flood the city with police, but it cannot escape the gaze of our discontent,” Sarnelle said.

First-year art majors Courtney Wittekind and Lauren Faigeles also brought a class project to life by utilizing humor

to relieve some of the tension surrounding the G-20. They designed “Heads of State” — large, inflatable balls depicting the faces of leaders from the United States, United Kingdom, Saudi Arabia, Mexico and China — and rolled them around the Cut on Thursday, Sept. 24.

On the other side of campus, first-year student Sarah Ceurvorst directed fellow students in creating a 60 by 100 yards “Help Wanted” sign on the intramural sports field. “Heads of State” and “Help Wanted” originated from an assignment in Associate Professor of Art Andrew Johnson’s Concept Studio I course — propose a creative, whimsical response to the G-20.

Many challenges were involved in executing this project, from securing a space for the sign to dealing with occasional rain. However, the completed sign, made of white tarps and red paint, was completed in less than two days. Ceurvorst said classes and individuals assisted in creating the sign.

“We need to come together, find common ground and aid each other in our time of need,” Ceurvorst, a Bachelor of Humanities and Arts student, said about the concept for her project. “‘Help Wanted’ means that we do not need violent protests that will only cause chaos and fear. We need to remember that the G-20 is about coming together to try to find a solution to some of the world’s major problems.”



THE ART INSTALLATION “HEADS OF STATE” ROLLED ONTO THE CUT ON THURSDAY, SEPT. 24.

PHOTO BY COURTNEY WITTEKIND

PHOTO BY GLENN BROOKES



# Heinz Talks! Explores Oil Issues

■ Thomas Catalano

A current Carnegie Mellon student and recent alumna were selected to participate in the second annual Heinz Talks! event, titled "Profitable Solutions to Climate, Oil and Proliferation," at 4:30 p.m., Tuesday, Oct. 27 in The Russell Senate Office Building in Washington, D.C. Michael Spotts (HNZ '10) and Zhimin Mao (HNZ '09) will join energy expert Amory Lovins and sustainable development entrepreneur André Heinz to explore the path to oil independence.

Mao is a graduate of the inaugural class of the Heinz College's Washington, D.C., program, where she completed her master's degree in public policy and management. She works as an energy and climate policy analyst at the University Corporation of Atmospheric Research in collaboration with the H. John Heinz III Center for Science, Economics and the Environment. She focuses on carbon capture and storage technology development in China as well as the development of US-China climate change policy.

Spotts is a public policy and management student in the Heinz College's Washington, D.C., program. His policy interests are focused on sustainable community development. Spotts serves as a legislative and policy intern for Enterprise Community Partners.

Heinz Talks! is presented by the Heinz Family Philanthropies and Carnegie Mellon's Heinz College. It is held in conjunction with the Heinz Family Philanthropies' annual Heinz Awards, and features talks by previous award recipients. Lovins was selected for a Heinz Award in 1998 for his environmental leadership.

Established by Teresa Heinz in 1993 to honor the memory of her late husband and Heinz College namesake, U.S. Senator John Heinz, the Heinz Awards recognize outstanding individuals for their contributions in arts and humanities, the environment, the human condition, public policy and technology, the economy and employment.

To attend, contact Robin Cole at 202-403-8600 no later than Wednesday, Oct. 21.

# Dean Leads Digital Initiative

■ Ken Walters



Gloriana St. Clair, newly reappointed dean of University Libraries, is leading a digital initiative called the Research Showcase to support scholarly communication and access to information. The Research Showcase (<http://repository.cmu.edu/>) is an online repository in which faculty and graduate students can self-archive their writings, research and other creative or intellectual properties.

St. Clair, first appointed dean in 1998, is beginning her third term. Provost and Executive Vice President Mark Kamlet praised St. Clair for her forward thinking and noted that she has defined the role of dean of University Libraries. "Gloriana St. Clair is an outstanding professional whose expertise, vision and passion has greatly advanced our libraries and our university. She is a scholar known worldwide for her leadership in the field," Kamlet

said, when making the reappointment announcement.

The review committee that assessed St. Clair's contributions as dean praised her for assisting scholarly work by improving and streamlining the interlibrary loan process; undertaking the transition from the Dewey Decimal classification system to the Library of Congress classification system to make it easier for users to locate materials; and providing outreach to faculty and students.

The committee members concluded that her advocacy of the digital future is consistent with the digital-centric mindset of the campus but that she has not sacrificed the library's other functions as a repository for books and as a study and meeting space for students. The Research Showcase initiative is the latest example of St. Clair's maxim, "The future of libraries is digital."

Earlier this year, St. Clair was named the Association of College Research Libraries (ACRL) Academic/Research Librarian of the Year.

St. Clair has a distinguished record of service to her profession and Carnegie Mellon. Under her leadership, the University Libraries have led initiatives that have been critical to the development of libraries around the world through the use of information and communication technology. Since 1999, she has served as director of the Universal Digital Library Project, which has digitized more than two million volumes with its partners.

## NEWS BRIEFS

### Magazine Names Treuille A Top Young Innovator



Adrien Treuille, an assistant professor of computer science and robotics who specializes in real-time computer simulation techniques, has been recognized by Technology Review magazine as one of the world's top 35 innovators under the age of 35. Treuille, 30, was selected for the magazine's prestigious TR35 list from more than 300 nominees by a panel of expert judges and the magazine's editorial staff. He and the other TR35 winners for 2009 are featured in the September/October issue of Technology Review and were honored at the EmTech@MIT 2009 Conference.

Work by Treuille provided the basis for Draft Track, the Emmy-nominated special effect used in ESPN telecasts to "see the air" behind NASCAR race cars. He also contributed to the innovative online game Foldit, <http://fold.it/>, which harnesses the brainpower of tens of thousands of game players to help biochemists unlock the mystery of how proteins fold, and is developing a new massive multiplayer competitive game to simulate RNA evolution and gain insight into the beginnings of life.

"I want to put physical simulation in the palm of your hand — curling smoke, splashing water, spinning cosmos," Treuille said. "All of these are now possible, but most people can't manipulate these simulations because they don't have access to supercomputers. A combination of breakthroughs in computer speed and some new computer algorithms is allowing us to make this accessible to virtually anyone."

Treuille joined the faculty of the School of Computer Science last year after earning his Ph.D. in computer science at the University of Washington. He is a member of the Robotics Institute's computer graphics group.

### Community Music School To Begin

The School of Music will launch the Community Music School, a public program offering online music courses and beginning piano instruction for adults that incorporates the school's existing Music Preparatory School for children aged 4 through 18.

The Community Music School's initial offering, Repertoire & Listening, will begin in January 2010. The interactive online course

is a guided tour of essential masterworks and critically chosen interpretations. Students from all walks of life are eligible to register. The fee for the 15-week course is \$350.

To learn more about the program and to register, contact Coordinator of Special Music Programs Daniel Barrett at 412-268-3667 or [dbarrett@andrew.cmu.edu](mailto:dbarrett@andrew.cmu.edu).

### Bryant Receives Kaufman Award

Randal E. Bryant, University Professor and dean of the School of Computer Science, will receive this year's Phil Kaufman Award from the Electronic Design Automation Consortium and the IEEE Council on Electronic Design Automation (CEDA) for his impact on theory and practice on Electronic Design Automation (EDA).

The award recognizes Bryant's seminal technological breakthroughs in the area of formal verification — the use of mathematical techniques to prove that a hardware or software design functions as intended.

An IEEE and ACM Fellow and a member of the National Academy of Engineering, Bryant earned a bachelor's degree in applied mathematics from the University of Michigan, and a doctorate in electrical engineering and computer science from MIT. He was on the faculty of the California Institute of Technology from 1981 to 1984 and has been a member of the Carnegie Mellon faculty since 1984. He received the 1989 IEEE W.R.G. Baker Award for papers describing the theoretical foundations of the COSMOS simulator, and the 2007 IEEE Emmanuel R. Piore Award for his simulation and verification work.

### Education Research Grant Renewed

The U.S. Department of Education has renewed the Program in Interdisciplinary Education Research (PIER) with a five year, \$4.5 million grant. PIER began five years ago with a multimillion dollar grant to train doctoral students from several disciplines, including psychology, computer science, philosophy and statistics, to conduct applied educational research. The grant was renewed based on

PIER's overwhelming success in engaging many of Carnegie Mellon's top researchers in the development and administration of the program, in implementing a scientifically-based and rigorous training curriculum, in recruiting and training excellent doctoral students, and in mentoring the next generation of education research leaders.

"Since 2004, we've demonstrated that Carnegie Mellon is the ideal context for this kind of innovative, interdisciplinary program," said Psychology Professor David Klahr, PIER's director. "We've built a vibrant interdisciplinary education research community with a focus on cognition and student learning, math and science education, and education technology. PIER training goes beyond the traditional experimental design and statistics taught within our departmental Ph.D. programs and emphasizes the use of cognitive modeling, process-tracing tools and advanced statistical techniques for complex data sets."

### Khosla Receives Lifetime Award

Pradeep K. Khosla recently received a lifetime achievement award from the American Society of Mechanical Engineers (ASME).

Khosla, dean of the College of Engineering and founding director of Carnegie Mellon CyLab, was recognized for his significant impact on the use of computers in engineering practice and education from the Computer and Information in Engineering Division of ASME.

"I am truly honored to be recognized by my peers for a lifetime of work that spans both research and curriculum innovations for our increasingly global campus," said Khosla, a University Professor and the Philip and Marsha Dowd Professor of Electrical and



# Friends Offer Meaningful Birthday Gift



In the 1940s when Imero Fiorentino (A 1950) was in high school in Brooklyn, he got good grades, was polite and well liked. But his true passion lay in how he spent his time after school. Fiorentino, beginning as a freshman, had become immersed in the world of theater, though not as an actor. He spent almost every year behind the stage, designing sets and setting up the lighting for his high school's theatrical productions.

College had not seemed to be in the cards for Fiorentino. His parents were poor Sicilian immigrants, and although he had found a calling and great success in lighting design for theater, that wasn't ex-

actly a solid career path in those days. But in his junior year, the faculty advisor for the school's theater department informed him matter-of-factly that he would go on to be the best lighting designer in the world. She told him about what was then Carnegie Tech, where he could learn the trade. Fiorentino was skeptical, but his teacher pressed. She went as far as collecting the application materials herself and presenting them to his parents. Ultimately, she won out, and his family scrimped

and saved to send him off to Pittsburgh. Fiorentino's graduation from college in 1950 coincided fortuitously with the new and rapidly burgeoning television

asked a producer what kind of training he would receive, how he would learn the business. The producer responded, "If it looks good, remember how you did it."

Fiorentino went on to become one of the founding fathers of lighting for television. He formed his own company, Imero Fiorentino Associates Inc., by 1960 and has been a keystone figure in the history of television. In addition to lighting countless specials, shows, commercials, concerts and stage productions, including the Bolshoi Ballet's first televised appearance in the United States and the first pictures transmitted live to space and back via Telstar, he has been the lighting and design consultant for 16 national political conventions and almost every televised presidential debate. He has been the lighting designer for every president since Eisenhower.

Fiorentino has always acknowledged that having a teacher who believed in

## IMERO FIORENTINO ASKED HIS FRIENDS TO GIVE HIM AN ENDURING GIFT FOR HIS 80TH BIRTHDAY: A CONTRIBUTION TO AN ENDOWED CFA SCHOLARSHIP FOR LIGHTING DESIGN STUDENTS

business. In those days, you could count on one hand the number of lighting specialists working in the industry.

When he landed a job at ABC, with no previous television experience, he

him and pushed him forward made all the difference. He has spent his career trying to do the same for others. His firm in New York City has employed countless Carnegie Mellon graduates, whom he has



mentored and supported as they went on to their own distinguished careers.

For his 80th birthday, which he recently celebrated, he knew exactly what he wanted: to establish a scholarship. So he asked a group of 300 colleagues, friends and family members who gathered to celebrate his birthday to make a contribution to the Imero Fiorentino Associates Lighting Scholarship in the College of Fine Arts in lieu of gifts. Devon Allen (A 2008), a protégé of Fiorentino's who contributed to the fund, was asked to make some remarks at the party. Allen summed up the legacy that Fiorentino has passed on to him: "I hope that one day I will be as fine a mentor to someone else as Fiorentino has been for me," he says.

A few weeks later, Allen himself was off to light the vice presidential debate in St. Louis. And Fiorentino, in his offices in New York City, was once again back at work, not only in lighting design, but also in supporting a new generation of artisans in the field he fell in love with so many years ago.

Computer Engineering. He has been engineering dean since 2004.

## Researchers Develop Tool To Rank Death Rates

University researchers have developed a new Web site ([www.DeathRiskRankings.com](http://www.DeathRiskRankings.com)) where users can compare mortality risks by searching public data on gender, age, cause of death and geographic region. Social Decisions Sciences Professor Paul Fischbeck hopes the Web site will help bring focus to some of the discussion now raging over health care policy in the United States.

"It's much easier to make a persuasive argument when you have the facts to back it up, and this site provides all sides with the facts," Fischbeck said.

Carnegie Mellon funded the research, and the Web site development was coordinated through Carnegie Mellon's Center for the Study and Improvement of Regulation (CSIR), which is based in the Department of Engineering & Public Policy. CSIR research focuses on the use of science and risk information to support and evaluate regulatory decision-making. In cooperation with the Information Systems program, CSIR is developing a number of interactive tools in areas, such as traffic safety, mortality risk, vehicle technology and hospital admissions.

## NSF Funds Program In Privacy, Security

Associate Professor Lorrie Cranor and her colleagues received a five-year, \$3 million grant from the National Science Foundation to establish a Ph.D. program in usable privacy and security.

"Carnegie Mellon's CyLab Usable Privacy and Security (CUPS) Doctoral

Training Program will offer Ph.D. students a new cross-disciplinary training experience that helps them produce solutions to ongoing tensions between security, privacy and usability," said Cranor, associate professor in the Institute for Software Research, the Department of Engineering and Public Policy and Carnegie Mellon CyLab.

She noted that students will be actively involved in Carnegie Mellon's broad usable privacy and security research, which spans three major approaches: finding ways to build systems that "just work" without involving humans in security-critical functions; finding ways of making secure systems intuitive and easy to use; and finding ways to effectively teach humans how to perform security-critical tasks.

## Tepper, Heinz Deemed "Military Friendly"

G.I. Jobs magazine has included the Tepper School of Business and the H. John Heinz III College on its 2010 list of "Military Friendly Schools." This distinction recognizes the schools' efforts to attract and retain military personnel and veterans as students and acknowledges the excellence toward meeting their educational needs.

The Military Friendly Schools list was compiled by G.I. Jobs through polling conducted earlier this year of more than 7,000 schools in the United States. The list honors the top 15 percent of colleges, universities and trade schools that are doing the most to embrace America's veterans as students. The full list of Military Friendly Schools can be found at [www.militaryfriendlyschools.com/mfspr](http://www.militaryfriendlyschools.com/mfspr).

## Carter Appointed Director of the RCI



Donald K. Carter, consulting principal and former president of Urban Design Associates (UDA), has been appointed the new David Lewis Director of Urban Design and Regional Engagement

of the Remaking Cities Institute (RCI) in the School of Architecture. Carter will teach in the Masters of Urban Design program. He succeeds Luis Rico-Gutierrez who accepted a dean's position at Iowa State University.

Carter has served as a consultant to General Motors, Heinz and Alcoa regarding the reuse of excess land parcels and their potential for mixed-use developments. Carter earned a bachelor's degree in architecture from Carnegie Mellon and completed post-graduate work at the University of Edinburgh in Scotland. He is a fellow of the American Institute of Architects and the American Institute of Certified Planners, as well as a member of the Congress for the New Urbanism and the Urban Land Institute (ULI), recently serving nationally as chair of the ULI Inner City Council.

## Don't Get Hooked Like a Phish

Ever receive an email from a cmu.edu email account, requesting your user name and password to confirm account information? The email body sounds and looks legitimate, right? But, it's not. Carnegie Mellon entities will NOT request your user ID and password information in an email, so DON'T provide it.

Such emails are likely a phishing attempt. Phishing refers to using email or a fraudulent

Web site to lure the recipient into providing personal information. Phishing attacks compromise your personal data and direct private information, such as financial data, to an illegitimate Web site that mimics the legitimate Web site of your financial institution.

The Information Security Office (ISO) recommends members of the campus community visit The Phish Guru Web site for more information on Phishing messages at <http://phishguru.org/education.html>. Visit the ISO online at <http://www.cmu.edu/iso> for security training, news and alerts. Don't get hooked!

## Human Resources To Change Payroll, Directory

In January, all non-exempt employees who are paid monthly will be transitioned to the biweekly payroll system. All payroll deductions for those on the biweekly schedule will be prorated and taken in equal amounts from all 26 biweekly pays in the year. Human Resources will have information sessions to discuss the changes at 1 p.m. and 4 p.m. on Tuesday, Oct. 20 in Rangos 1, University Center.

**Save the date:** The annual Benefits and Fitness Fair will be 11 a.m. to 4 p.m. on Wednesday, Nov. 4 in Rangos Ballroom. Representatives from Human Resources, Payroll, Athletics, all of our benefits carriers, and various wellness and fitness vendors will be on hand to answer all your questions and hand out documentation and freebies.

**HR is going green.** Beginning in 2010, the directory will be moving to an online-only format. All of the information that was found in the paper directory (such as individual listings, organizational charts, emeriti professors, voice-mail information, etc.) will be accessible from the online version. To update your information, visit HR Connections at [www.cmu.edu/hr/benefits/hr\\_connection.html](http://www.cmu.edu/hr/benefits/hr_connection.html).



## LECTURE SPOTLIGHT: SINGER SPREADS BRAZILIAN MUSIC TO BROADER AUDIENCE

■ Heidi Opdyke

Brazil's music goes far beyond the Bossa Nova sound of the 1960s' "The Girl From Ipanema." Influenced by years of colonization its rhythms have created a sound all its own.

"It's a melting pot," said Lilly Abreu (A'98). Abreu, a soprano and jazz vocalist, will delve into the evolution of Brazilian music on Monday, Oct. 19

**WHO:** LILLY ABREU

**WHAT:** THE MANY FACES OF BRAZILIAN JAZZ

**WHEN:** 5:30 P.M., MONDAY, OCT. 19

**WHERE:** PORTER 100, GREGG HALL

as part of her University Lecture Series "The Many Faces of Brazilian Jazz."

The lecture-demonstration will fo-

cus on the music of Brazilian composers such as Jobim, Bonfá and Pixinguinha. Audience members will learn samba steps and some Portuguese as well as interact with Abreu and instrumentalists Eric Susoeff, guitar; Dwayne Dolphin, bass; and Tom Wendt, drums. Each is well known in the jazz world, both locally and internationally.

"They are the best jazz musicians in town," Abreu said of the trio.

"They are not a band, but I bring them together for different gigs."

As global citizens, students need to have a

working knowledge of other countries that are important in shaping the corporate, social and political world. Brazil's

status in business and in world affairs is shifting in a transformative way. Abreu said learning about the music could assist students in the exploration of the world around them.

"Music transforms everyone and energizes students to learn their backgrounds and not shy away from what they want to be," Abreu said. "There's always something new, sometimes out of an afterthought or out of a shyness this will emerge."

Abreu was born in the United States while her father was in a medical residency. She grew up in Brazil, but returned to the United States to earn a master's degree in music from Carnegie Mellon. Her daughter is also a graduate of the university. Abreu and other members of the growing Brazilian community used the recent G-20 Summit to highlight some of Brazil's culture. Events included performing a song written especially for the Pittsburgh Summit and participating in other cultural activities. She hopes lecture attendees come away from the event with some new ideas.

"I want music students and students that like music to open their minds about different possibilities and to better understand the world around them," Abreu said.

In addition to teaching at Carnegie Mellon and the University of Pittsburgh, Abreu is a member of the Pittsburgh Opera. She was in "Eugene Onegin" and will appear in the upcoming production of "Falstaff." She has also performed in



LILLY ABREU (A'98)

"Turandot," "Falstaff," "La Traviata" and "Tosca."

Praised by critics for her "crystal clear soprano voice and dramatic persona," Abreu has performed as a recitalist and soloist with orchestras in France, Spain, Portugal, Argentina and the United States. An accomplished popular music artist in Brazil, Abreu can be heard as a voice-over singer in the Brazilian versions of many of Disney's best-known films, including "Beauty and the Beast," "Aladdin," "Pocahontas" and "Song of the South," as well as "Disney on Ice" (the voice of Cinderella).

### BRAZIL TODAY

Lilly Abreu's lecture is in conjunction with the Brazil Today course being offered Oct. 31-Nov. 1 in 100 Porter Hall. After an overview of Brazil, the course will provide an introduction to Brazil in three dimensions: its diverse groups of people, the growth and development of the Brazilian economy and the environmental opportunities and challenges in modern Brazil. Students and community members are welcome to attend all or part of the program.

Contact Indira Nair at [in0a@andrew.cmu.edu](mailto:in0a@andrew.cmu.edu), or Renee Camerlengo at [reneec@andrew.cmu.edu](mailto:reneec@andrew.cmu.edu) for more information.

There also will be a "Film/Discussion on Life in Brazil" on Monday, Oct. 26 at 4:30 p.m., 100 Porter Hall. Paul Goodman, a professor at the Tepper School of Business, will discuss "Escola de Samba," a one-hour documentary he created about how 4,000 Brazilians work to create the country's annual carnival.

## CMU Merchandise is Back



PHOTO BY HEIDI OPDYKE

STUDENT GOVERNMENT PRESIDENT TIMI ABIMBOLA (LEFT) AND YUDI LIU SPORT THE NEW "CMU" T-SHIRTS HANDED OUT BY MARKETING AND MEDIA RELATIONS DURING A TWEETUP AT THE FENCE IN EARLY SEPTEMBER. T-SHIRTS, JACKETS, HATS AND OTHER STORE MERCHANDISE FEATURING THE NEW "CARNEGIE MELLON UNIVERSITY" AND "CMU" GRAPHICS ARE NOW AVAILABLE IN THE BOOKSTORE. THE ENTIRE CAMPUS COMMUNITY WILL SOON HAVE ACCESS TO THESE NEW GRAPHICS ALONG WITH THE USAGE GUIDELINES. OFFICIAL "CMU" AND "CARNEGIE MELLON UNIVERSITY" GRAPHICS WILL NOT BE USED FOR ANYTHING BUT MERCHANDISE AT THIS TIME. REFRESHED GRAPHIC IDENTITY STANDARDS WILL BE ROLLED OUT THIS ACADEMIC YEAR. IF YOU MISSED THE TWEETUP, BE SURE TO FOLLOW [TWITTER.COM/CMUnews](https://twitter.com/CMUnews). REMEMBER, "WE'LL KEEP YOU POSTED."

## piper TRIVIA

### FOLLOW US...

Congratulations to the September trivia winners Brian Rangell and Kim Daboo for following CMUnews on Twitter and sending us an @reply including the words "September Trivia." Visit Piper+ at [www.cmu.edu/news/news-notes/piper/index.shtml](http://www.cmu.edu/news/news-notes/piper/index.shtml) for this month's trivia question. The winners' names will be published in the following issue. Previous winners are ineligible.