



# the PIPER

10/10 Issue

## Carnegie Mellon

- 2 Q&A: NEW CHAIR AIMS TO RAISE AWARENESS OF STAFF COUNCIL
- 5 YOUNG ALUMNI RETURN TO CAMPUS TO SHARE EXPERIENCES
- 9 SPOTLIGHT LECTURE: CUBAN BUILDINGS CAPTURE ARCHITECT'S IMAGINATION
- 12 ANDY AWARDS NOMINEES TO BE HONORED OCT. 20

## Phishers Use Emails As Bait

■ Ken Walters

We've all been there. You're at the computer and the email arrives promising quick and easy weight loss, a hot date for Saturday night, cash winnings or inexpensive pharmaceuticals from Canada. The email looks legitimate so you go ahead and provide some personal information and, without knowing it, you have just compromised your identity and computer security.

According to Mary Ann Blair, director of the Information Security Office (ISO) in the Computing Services Division at Carnegie Mellon, reports of these emails, known as phishing, have increased steadily on campus over the last few years. Phishing scams occur when someone sends an email that directs users to a site or service that asks for personal information, such as account passwords or credit card information.

CONTINUED ON PAGE TEN

## Opportunity Knocks



PHOTO BY KEN ANDREYO

THE FLURRY OF ACTIVITY IN CARNEGIE MELLON'S WIEGAND GYM IN MID-SEPTEMBER FOR THE TECHNICAL AND BUSINESS OPPORTUNITIES CONFERENCES MADE IT LOOK MORE LIKE THE TRADING FLOOR OF THE NEW YORK STOCK EXCHANGE THAN A PLACE TYPICALLY FILLED WITH PICK-UP BASKETBALL GAMES. LEARN MORE ABOUT WHY RECRUITERS PICKED CMU AS ONE OF THEIR FAVORITE SCHOOLS FOR NEW HIRES ON PAGE THREE.

## Open Enrollment for Benefits Extended to 30 Days

■ Heidi Opdyke

This year, Human Resources is extending its Open Enrollment period for benefits to 30 days, from Monday, Oct. 25 through Tuesday, Nov. 23.

Starting Monday, Oct. 25, employees can use HR Connection to review their 2011 benefit options and rates, and to make their elections for the upcoming year. If you don't actively make new elections, many of your 2010 benefits will carry over to 2011. However, active enrollment is required to participate in the Health Care and/or Dependent Care Spending Accounts in 2011.

For more details about 2011 benefits and to access HR Connection, visit [www.cmu.edu/hr/benefits/OE/](http://www.cmu.edu/hr/benefits/OE/). The Benefits Office is available at 412-268-4747 or [HRhelp@andrew.cmu.edu](mailto:HRhelp@andrew.cmu.edu) to answer specific questions.

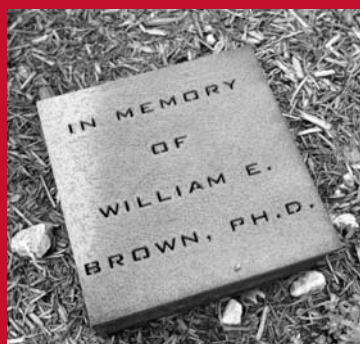
An L&D seminar, Understanding Benefit Changes for 2011, is being offered from noon to 1:30 p.m., Thursday, Oct. 21. Register online from [www.cmu.edu/hr/learning/seminars.html](http://www.cmu.edu/hr/learning/seminars.html).

Staff Council is hosting a Benefits Forum for staff from noon to 1 p.m., Tuesday, Oct. 26 with Associate Vice President and Chief Human Resources Officer Barbara Smith, Director of Benefits Joyce Heckmann and Benefits

Specialist Lori Bell. They will review the changes for 2011.

The annual Benefits & Fitness Fair will be held from 11 a.m. to 4 p.m., Wednesday, Nov. 3 in Rangos Ballroom. Stop by to speak with representatives from Human Resources, Carnegie Mellon's benefits carriers and health organizations. The fair also features wellness screenings, raffle drawings and giveaways.

## In Memory



Read about a memorial to the late William Brown, former head of the Department of Biological Sciences and an administrator at Carnegie Mellon Qatar, on page 4.

# Q&A: New Chair Aims To Raise Awareness of Staff Council

■ Bruce Gerson (*Gerson is chair of Staff Council's Communications Committee.*)

After only four years at Carnegie Mellon, Joe Imbimbo, an Oracle database administrator for the Computing Services Division, has quickly risen through the ranks of Staff Council. Elected to Staff Council in 2007, he became chair of the Benefits Committee in 2008, was elected vice chair in 2009 and assumed the presidency of Staff Council when Joseph Pastorik left the university last spring. His presidency came unexpectedly, but now that he's at the helm he aims to increase awareness of Staff Council and the work that it does on behalf of CMU staff.

The Piper caught up with Imbimbo to talk about Staff Council and his goals.

## What is Staff Council and what is its mission?

Staff Council serves as a voice for full- and part-time CMU employees not represented by a bargaining unit. It provides staff with the opportunity to be more involved with events on campus and provides an organized framework to communicate with senior management. President Cohon is extremely supportive of our efforts, and I believe appreciates the efforts of everyone who volunteers



PHOTO BY KEN ANDREYO

JOE IMBIMBO IS STAFF COUNCIL CHAIR.

his or her time on council. Our mission is to help make working at Carnegie Mellon University an even better experience than it already is.

## How does Staff Council advocate for staff within senior management?

We have a number of standing committees that serve as a conduit for ideas and concerns brought forward by our constituents. As issues or ideas arise, the committees help draft communications and may even meet with the administration. As former chair and member of the Benefits Committee, I met with Barbara Smith, associate vice president and chief Human Resources officer, and her staff to lobby for a Flexible Spending Account (FSA) debit card. The Benefits Committee outlined how the debit card would make it easier for staff to utilize the FSA funds that employees set aside on a pre-tax basis.

## How many people are on Staff Council, and how are they selected?

We have two kinds of representatives: at-large and divisional representatives. According to our constitution, we are required to have two members from each division and an equal number of at-large representatives. We have 17 divisions, so at full strength there are 68 representatives. (Currently there are 56 members.) At the present time we don't have representatives from Division Six (Research) and would welcome anyone from that unit who wishes to get involved. Anyone who would like to represent the Research Division should contact me.

Representatives serve two-year terms, with at-large and divisional representatives elected every other year. Divisional representatives were instituted to ensure that all units have a voice in making Staff Council policy.

## What are your goals as president?

I would like Staff Council to be seen as an organization that communicates ideas to the administration. I want it to be an organization that accepts suggestions from staff members, performs the research, and facilitates discussion. Hopefully, we will be able to present these ideas to the administration in a spirit of

cooperation. I would also like our website ([www.cmu.edu/staff-council/](http://www.cmu.edu/staff-council/)) to be updated on a regular basis with our monthly General Body meeting minutes, information about our standing and ad-hoc committees, events and discount programs. We recently obtained very generous discounts from the Pittsburgh Symphony and Pittsburgh Opera.

Most importantly I want to cultivate an atmosphere that nurtures innovation. I have indicated to our representatives that all ideas are on the table if they are within our constitutional guidelines and we have the resources to act on them. I will not hesitate to establish task forces and/or ad-hoc committees to allow for that.

## What should we be looking for from Staff Council this year?

We partner with the university to deliver the Andy Awards, which this year is scheduled to occur on Oct. 20. We organize the Staff Food Drive scheduled

for November, and sponsor at least one Presidential Forum so that staff can communicate directly with Dr. Cohon in a face-to-face setting. Our Benefits Committee will be conducting an Open Benefits Forum on Tuesday, Oct. 26, with representatives from Human Resources present to brief staff on benefits changes for 2011. We recently organized the Green Staff Council Committee to work closely with the university's Green Practices Committee. We will be jointly sponsoring a "Green" Bag lunch series to raise awareness about recycling and those green practices that can be implemented within our work place.

## How can staff who are not Staff Council members get involved?

Anyone who is a full-time or part-time employee not represented by a bargaining unit is eligible to participate on Staff

CONTINUED ON PAGE EIGHT

## 2010-11 STAFF COUNCIL REPRESENTATIVES

Do you know who your Staff Council representatives are? Here's a list to help.

Name	Division (Office Held)
Mark Banister	Office of General Counsel
Sylvia Berry	School of Computer Science
Sharon Blazeovich	At-Large
Jamie Brandon	At-Large (Archivist)
Krista Campbell	At-Large (Secretary)
Deborah Cavlovich	At-Large
Leonard Chan	At-Large
Desiree Chronick	At-Large
Kenneth Chu	College of Fine Arts
Kristin Colley	Finance
Ellen Conser	College of Humanities & Social Sciences
Susan Cribbs	College of Engineering
Lindie Droulia	At-Large
Christine M. Ferguson	Computing Services
Matthew Forrest	College of Fine Arts
Michael Fouch	At-Large (Chair, Constitution Committee)
Shawn Fronzaglia	Finance
Keri Garland	At-Large
Bruce Gerson	At-Large (Chair, Communications Committee)
Emily Ida Half	At-Large
Shannon Halfhill	College of Engineering
Jeffrey J. Harris	Office of General Counsel
Joe Imbimbo	At-Large (Chair)
Sharilynn Jarrett	At-Large
Robin Karlin	At-Large
Lauren Ashley Lamar	Campus Affairs
Katherine Lambrou	Advancement (Co-Chair, Food Drive Committee)
Jennifer Landefeld	At-Large
John Lanyon	Academic Development (Chair, Benefits Committee)
Michelle Martin	At-Large
Dolores Matthews	At-Large
Stacie McAllister	Advancement
Sarah McMullen	Alumni Relations
Mireille Mobley	At-Large
Julie Mull	At-Large (Chair, Green Committee)
Kelly Mullins	School of Computer Science (Chair, Grievance Committee)
Christine Nolin	Computing Services
Cathy O'Domes	Student Life
Mari Ann Palestra	Software Engineering Institute
Kaycee Palko	At-Large (Chair, Rewards & Recognition Committee)
Carole Panno	At-Large (Co-Chair, Food Drive Committee)
John Papinhcak	Campus Affairs (Parliamentarian)
Erin Peszko	At-Large (Webmaster)
Janet Peters	At-Large
Victoria Poprocky	At-Large
Barbara Price	Tepper School of Business (Treasurer) (Chair, Kennywood Committee)
Adam Rauf	Finance (Vice Chair) (Chair, Elections Committee)
Dave Reinoehl	Software Engineering Institute
Alexander Ropelewski	Mellon College of Science
Carol C. Sanders	University Libraries
Eileen Simeone	College of Humanities & Social Sciences
Nicole Stenger	At-Large
Sarah Suiter	At-Large
Susan S. Timko	Heinz College
Virginia White	President's Office
John Zak	At-Large



## the PIPER

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In addition, Carnegie Mellon University does not discriminate in admission, employment or administration of its programs on the basis of religion, creed, ancestry, belief, age, veteran status, sexual orientation or gender identity. Carnegie Mellon does not discriminate in violation of federal, state, or local laws or executive orders. However, in the judgment of the Carnegie Mellon Human Relations Commission, the Presidential Executive Order directing the Department of Defense to follow a policy of, "Don't ask, don't tell, don't pursue," excludes openly gay, lesbian and bisexual students from receiving ROTC scholarships or serving in the military. Nevertheless, all ROTC classes at Carnegie Mellon University are available to all students.

Inquiries concerning application of these statements should be directed to the Provost, Carnegie Mellon University, 5000 Forbes Avenue, Pittsburgh, PA 15213, telephone 412-268-6684 or the Vice President for Campus Affairs, Carnegie Mellon University, 5000 Forbes Avenue, Pittsburgh, PA 15213, telephone 412-268-2057.

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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# CMU No. 1 Private School, Say Job Recruiters

■ Abby Houck

Despite the struggling economy, job recruiters continue to flock to Carnegie Mellon to interview students for internships and full-time positions. In fact, in a Wall Street Journal survey recently released, CMU was the number one private school on “The Top 25 Recruiter Picks,” which was predominantly comprised of large public universities. CMU, 10th overall, also ranked first in computer science, fourth in finance, seventh in business and 21st in engineering.

While recruiters spoke very highly of CMU in the survey, their actions perhaps spoke even louder as more than 250 companies packed the University Center’s Wiegand Gymnasium to talk to students at last month’s Technical and Business Opportunities conferences.

Anna Kao (TPR’07) returned to campus as one of several recruiters for UBS, a global financial services firm offering wealth management, investment banking, asset management and business banking services to clients.

“Carnegie Mellon students have such a diverse background, and we are looking for a diverse crowd at our company,” said Kao, associate director of the UBS Delta One Desk. “We know people coming out of Carnegie Mellon have a solid educational background and are hard working.”

Students take an active role in organizing the conferences in partnership with the Career and Professional Development Center (CPDC).

According to TOC co-chairs and seniors Kristen Severson and Chalita Maneetham, the Society for Women Engineers forms a committee of about 10 students who spend a year organizing the event. They also recruit more than 50 student volunteers for support during the conference. The BOC committee, co-chaired by seniors Kimberly Chan and Jackie Zhang, included 17 students.

“The companies that are here can train you for a specific job,” Maneetham said. “Carnegie Mellon students bring a depth and breadth of knowledge to their employers, and we are prepared to learn.”

The statistics support Maneetham’s claim. As of Aug. 1, 2010, 43 percent of the Class of 2010 were employed and 33 percent were attending grad school. Six percent were engaged in volunteer work or military service, returned to a home country or had decided to delay the job or grad school search. (Twelve percent has not resolved their post-graduate plans and six percent did not respond to the survey.)

Severson and Maneetham completed internships during the past two summers and took time out from their TOC leadership duties to meet recruiters in hopes of landing their first full-time jobs. Severson interned for Centocor Research and Development, a subsidiary of Johnson and Johnson, and ExxonMobil. Maneetham returned to her home in

Thailand and interned for Bangkok Bank and PTT Exploration and Production.

The CPDC’s staff members also play an integral role in making Carnegie Mellon a destination point for campus recruiters.

“Our office’s unique college-focused model means that the CPDC staff is prepared like no other to match the needs of an organization with the right segment of our student body,” said Judi Mancuso, assistant director for recruiting and career consultant for the Tepper School of Business. “We can help recruiters develop strategies to target those academic areas that best match their needs, while keeping their recruiting efforts broad enough to attract students from all corners of our interdisciplinary and diverse student body. We know that every employer has specific goals, and we are equipped to personalize our service to each organization’s recruiting style.”

Not only are recruiters hiring Carnegie Mellon students, but students also are seeing an increase in salaries. The average starting salary for CMU’s recent graduates increased almost 2.7 percent from \$64,464 in 2009 to \$66,202 in 2010. This was despite the fact that the average national starting salary for bachelor’s degree recipients dropped one percent between the classes of 2009 and 2010, according to the National Association of Colleges and Employers.

## Rankings

**CMU PLACES  
20TH IN THE WORLD,  
15TH IN THE U.S.**

Carnegie Mellon is ranked 20th in the world, 15th among U.S. colleges and universities, in the London Times Higher Education magazine’s 2010-11 World University Rankings. The magazine says this year’s rankings reflect an entirely new methodology, which “places less importance on reputation and heritage than in previous years and gives more weight to hard measures of excellence in all three core elements of a university’s mission — research, teaching and knowledge transfer.”

It is the only global ranking system that includes a global survey of institutions’ teaching reputation. In all, it includes 13 separate performance indicators, across five broad categories: teaching (the learning environment), citation impact (research influence), research (volume, income and reputation), international mix of staff and student ratios, and industry income (knowledge transfer).

“As global higher education is becoming more competitive than ever, inclusion in this year’s ranking is an impressive achievement for any institution. These rankings are the gold standard for world-class research institutions,” said Phil Baty, editor of the Times Higher Education World University Rankings.

In subject areas, Carnegie Mellon ranked 11th in the world in engineering and technology, seventh among U.S. schools. The engineering and technology ranking is based on data submitted for CMU’s College of Engineering and School of Computer Science. In this subject area, CMU scored fourth in research and fifth in teaching.

For more on the World University Rankings and subject areas, go to [www.timeshighereducation.co.uk/world-university-rankings/](http://www.timeshighereducation.co.uk/world-university-rankings/)

### NCSA Power Rankings

For the second consecutive year, Carnegie Mellon is ranked 13th in the annual Power Rankings released by the National Collegiate Scouting Association (NCSA). CMU placed 13th out of 447 NCAA Division III institutions and was 24th out of nearly 1,100 NCAA schools across the three divisions.

“This ranking signifies that Carnegie Mellon student-athletes are excelling at everything they do. It really is a great indication of the wonderful balance our student-athletes have throughout their collegiate experience at Carnegie Mellon,” said Director of Athletics Susan Bassett.

The power rankings are determined by combining the U.S. Sports Academy Directors’ Cup rating, which evaluates the strength of NCAA athletic departments, the U.S. News & World Report undergraduate academic rankings and student-athlete graduation rates.

For more on the NSCA Power Rankings for NCAA Division III, go to [www.ncsasports.org/about-ncsa/power-rankings/%28year%29/2010/%28tab%29/3](http://www.ncsasports.org/about-ncsa/power-rankings/%28year%29/2010/%28tab%29/3)

## Glowing Balloons Provide Hints to Air Quality

Half a century ago, everyone could see the polluted air over Pittsburgh. The soot may be long gone, but less visible pollutants remain a concern here and in cities worldwide, so students in the Human-Computer Interaction Institute (HCII) have developed new visual cues for air quality — glowing, colored balloons.

The do-it-yourself (DIY) technology developed by the HCII team of Chiu Cheung, George Noel Davis and Stacey Kuznetsov uses helium-filled weather balloons that contain tri-colored LEDs. Each balloon is attached to a sensor that measures some aspect of air quality, such as levels of volatile organic compounds (VOCs) or diesel exhaust. The LED sensors shine green, yellow or red based on sensor data showing low, average or high levels of pollutants.

“This project is low-cost and easily replicable by non-experts, and our tutorial on Instructables.com shows how pretty much anyone can make these,” said Kuznetsov, a Ph.D. candidate. “We wanted to create a technology that inspires awareness and participation. Balloons are a vibrant and inherently playful medium for projecting environ-

mental data into the public sphere.”

Air quality data is frequently represented through graphs, charts, maps and other conventional means. Kuznetsov wanted to create something that would really draw attention to environmental data in a public, compelling and provocative way.

“People can ignore a website or a cell phone app, but it’s hard to overlook giant glowing balloons — even if you are not initially thinking about or interested in air quality,” Kuznetsov said.

When the team recently installed some of the air quality balloons in a public park and along a city block in Pittsburgh, they found passersby would stop and explore the installations, raising their awareness of environmental concerns.

As a field, human-computer interaction is evolving to encompass technology at-large and the creation, use and interpretations of technology, Kuznetsov said. “Our work lies at the intersection of expressive technologies, environmental sensing and political activism,” she added.

She loves the freedom and resources available at CMU to pursue creative



STACEY KUZNETSOV BLOWS UP A BALLOON PRIOR TO AN INSTALLATION.

and provocative projects, particularly in the Living Environments Lab run by Eric Paulos, assistant professor in the HCII.

“As an adviser, Eric Paulos is a great inspiration to me. Here at the Living Environments Lab, we are always encouraged to make and build things, to question the current state of the world, and to explore new, evocative and even ‘risky’ ideas,” she said.

# Gathering Area Constructed in Memory of the Late Bill Brown

Inspired by base pairs in a DNA molecule and words such as “respect, creativity, collaboration and mentoring,” the Bill Brown Gathering Area is a fitting memorial to the longtime educator who died July 15, 2007, after brain surgery. Brown was a member of the Carnegie Mellon community since 1973, when he joined the faculty as an assistant professor of biological sciences at the Mellon College of Science. In 1993, he became professor and served as acting head of the Department of Biological Sciences from 1993 to 1995. He subsequently served as department head from 1995 to 2000 and worked as a visiting professor and special assistant to former Dean Chuck Thorpe at Carnegie Mellon Qatar. In addition to his distinguished academic career, Brown was an avid cyclist and world traveler. The gathering area was built by Larry Cartwright’s Civil Engineering Project course, which has been building projects on campus for more than 20 years. Brown’s wife, Linda, and their sons assisted in the design process of the memorial.



ABOVE: THE BILL BROWN GATHERING AREA IS LOCATED ADJACENT TO THE DOHERTY HALL SIDE ENTRANCE.

LEFT: AMONG THE ATTENDEES AT THE DEDICATION WERE LINDA BROWN (CENTER) AND ERIC BROWN (SECOND FROM LEFT), FORMER CARNEGIE MELLON QATAR DEAN CHUCK THORPE (FAR LEFT), PROFESSOR LARRY CARTWRIGHT (FOURTH FROM LEFT), STUDENTS IN THE CIVIL ENGINEERING PROJECT CLASS, VICE PROVOST FOR EDUCATION AMY BURKERT (SECOND FROM RIGHT), AND ASSOCIATE DEAN FOR THE MELLON COLLEGE OF SCIENCE ERIC GROTZINGER (FAR RIGHT).

## Calendar of Events

### 13th International Exhibition of Botanical Art & Illustration

The exhibition will include 110 watercolors, drawings and prints representing the work of 72 artists from 15 countries. Every three years, the International series features the works of talented botanical artists from around the world. Through Dec. 17. Hours: 9 a.m. to noon and 1 to 5 p.m. Monday-Friday; 1 to 4 p.m. Sunday, (except Nov. 25-28 and Dec. 10). The institute also will open 1-5 p.m. Saturday, Nov. 6 during Carnegie Mellon’s homecoming. Docent-led tours will be offered on Oct. 17, Nov. 7 and 21 and Dec. 5. The Hunt Institute for Botanical Documentation, Fifth floor, Hunt Library <http://huntbot.andrew.cmu.edu/>

### Miller Gallery Exhibition

“Whatever it Takes: Steelers Fan Collections, Rituals, and Obsessions” Curated by Jon Rubin and Astria Suparak Through Jan. 30, 2011

### The College of Engineering Leadership Speaker Series

Aris Candris, CEO of Westinghouse Electric Company, will present “Meeting the World’s Energy Needs in a CO2-Constrained Environment: The Role of Nuclear Power.” 5-6:30 p.m., Monday, Oct. 11 Porter Hall 100 (Gregg Hall)

### University Lecture Series

Paula Rabinowitz of the University of Minnesota will present “Tabloid Hollywood: Newspapers, History and Warner Brothers’ The Roaring Twenties.” 4:30 p.m., Tuesday, Oct. 12 Giant Eagle Auditorium, Baker Hall A51

### Punto Y Raya Festival

Co-Sponsored by the STUDIO for Creative Inquiry, the animation festival is called “the world’s most abstract film festival.” 8 p.m., Tuesday, Oct. 12 McConomy Auditorium, University Center (UC) [www.cmu.edu/studio/](http://www.cmu.edu/studio/)

### Smart Growth: Investing in Sustainable Communities

The 10th Annual Southwestern PA Smart Growth Conference will identify barriers and solutions to cross-jurisdictional coordination for regional smart growth and sustainable community development policy and implementation. 8:30 a.m. – 4:30 p.m., Friday, Oct. 15 David L. Lawrence Convention Center, Downtown Pittsburgh [www.sustainablepittsburgh.org/SCDN/SGConf2010.html](http://www.sustainablepittsburgh.org/SCDN/SGConf2010.html)

### University Lecture Series

Paul Goodman will present his documentary on the “Dabbawallas.” 4:30 p.m., Monday, Oct. 18 Porter Hall 100 (Gregg Hall)

### School of Art Lecture

Cornelia Hesse-Honegger is a scientific illustrator and artist. 5 p.m., Tuesday, Oct. 19 Kresge Theater

### Andy Awards Ceremony

Carnegie Mellon will present its annual Andy Awards to individual staff members and/or teams whose outstanding dedication and performance have had a significant impact on the university. Noon, Wednesday, Oct. 20 McConomy Auditorium, UC See page 12 for this year’s nominees.

### “Vanishing Point”

Musical and stage direction by Marya Spring Cordes. This stunning new musical explores the lost times of Agatha Christie, Aimee Semple McPherson and Amelia Earhart. 8 p.m., Oct. 20-23 Philip Chosky Theater, Purnell Center for the Arts Tickets are available online at [www.cmu.edu/cfa/drama](http://www.cmu.edu/cfa/drama).

### Staff Council Monthly Meeting

Noon, Thursday, Oct. 21 McConomy Auditorium, UC

### India Today: Economics, Technology and People

A 3-hour (1 credit) course sponsored by Carnegie Mellon and the University of Pittsburgh. Oct. 22-24 Porter Hall 100 (Gregg Hall) [www.cmu.edu/weekend-today/2010-india-today](http://www.cmu.edu/weekend-today/2010-india-today)

### Carnegie Mellon Opera Series

The School of Music presents its Fall Opera Mozart Series. Oct. 22-24 Philip Chosky Theater, Purnell Center for the Arts

### Carnegie Mellon Philharmonic’s Chamber Orchestra Concert

Mozart’s Violin Concerto will be featured between Mozart’s Symphonies No. 33 and 39. 8 p.m., Sunday, Oct. 24 Katz Theater, Jewish Community Center, Squirrel Hill Admission is free.

### Staff Council Benefits Open Forum

Noon-1 p.m., Tuesday, Oct. 26 Rangos 1, University Center

### School of Art Lecture

Jean Shin is nationally recognized for her monumental installations that transform everyday objects into elegant expressions of identity and community. 5 p.m., Tuesday, Oct. 26 Kresge Theater

### University Lecture Series

Cuban architecture author Julio Cesar Perez Hernandez will discuss “Sustainable Urbanism.” 6:30 p.m., Tuesday, Oct. 26 Porter Hall 100 (Gregg Hall)

### Adamson Writers Series

Phillip Lopate, professor of English at Hofstra University, is probably best known as an advocate/practitioner of the personal essay and creative nonfiction. 7:30 p.m., Wednesday, Oct. 27 Baker Hall 136 - Adamson Auditorium

### Rhetoric Colloquium Series presents Leah Ceccarelli

Leah Ceccarelli, associate professor of communication at the University of Washington, will present a talk for the Rhetoric Colloquium. Her research focuses on interdisciplinary and public discourse about science. 4:30 p.m., Thursday, Oct. 28 TBA

### 200 Hands, 100 Pieces: Celebrating Chopin’s Bicentennial

Join the School of Music as it launches Piano Month, Oct. 30-31, with performances by faculty members, piano performance majors and Music Preparatory School (K-12) students. Noon, Thursday, Oct. 30 Kresge Theater and Alumni Concert Hall, CFA

### Staff Council Open Forum with President Jared Cohon

Noon-1:30 p.m., Tuesday, Nov. 2 Rangos 1, UC

### CMU Press 35th Anniversary Reading

Poets Dzvina Orlovsky and James Harnes will read from their works to celebrate the 35th Anniversary of the Carnegie Mellon Press. 7:30 p.m., Thursday, Nov. 4 Adamson Auditorium, Baker Hall 136

## Local Government Topic of Poll

■ Shilo Raube

Roughly 200 randomly selected residents from Allegheny County gathered at Carnegie Mellon on Saturday, Sept. 25 for a deliberative poll on municipal services throughout the county’s 130 municipalities.

The poll was conducted by the Program for Deliberative Democracy (PDD), a joint venture between CMU’s Center for the Advancement of Applied Ethics and Political Philosophy and Pittsburgh’s Coro Center for Civic Leadership. It is part of The Pittsburgh Foundation’s “Allegheny Forum” initiative to promote public discussion and feedback on issues facing local governments.

“We conducted this deliberative poll to create an alternative approach for the citizens of Allegheny County to weigh in on a critical area of public policy change,” said Gregory Crowley, co-director of the PDD and vice president of program development and evaluation at Coro.

Participants in the deliberative poll received balanced information regarding the challenges facing local governments, including declining revenues and rising costs that have affected the public services they are able to provide to citizens. With this information in hand, they came to CMU to spend a day discussing these issues in small, moderated groups. They formulated questions to be asked during a plenary session with experts and ended

CONTINUED ON PAGE EIGHT

# Show+Tell

## YOUNG ALUMNI RETURN TO CAMPUS TO SHARE EXPERIENCES

■ Heidi Opdyke

A new speaker series brings alumni back to talk about their experiences after graduation. Show+Tell had its first installment at the end of September and featured three alumni, Allen Lu (H'01), Evan Tahler (CIT'06, CMU'08) and Jay Palat (HNZ'04), working at ModCloth, the indie fashion site growing in leaps and bounds.

"We looked for some really exciting, intriguing stories of what younger alums have been up to," said Andrea Shockling (A'01, HNZ'09), an Alumni Relations staff member in charge of the program. "Stories that haven't been told that we thought students especially would want to hear across all the various academic disciplines."

The series is designed to be interactive. For example, the ModCloth staff discussed using crowdsourcing techniques within their company to name different products. The alumni brought items for the audience to name and then gave them away.

"What's appealing about Show and Tell as a kid, was it was something you were really excited about and you wanted to share that story with the classmates," Shockling said. "And often, you had a tangible thing to bring and you were trying to capture that personal excitement. That's what these alumni have and what they are doing is coming and showing the role that Carnegie Mellon played in getting to that point to where they are coming back and sharing



a story that's very real."

Each session of the series has a different focus, but all have elements of interest to students, Shockling said. In November, DeepLocal founder Nathan Martin (A'99) will speak about being an artist and entrepreneur with his local technology firm.

In February, government will be the focus. Pittsburgh City Council member Natalia Rudiak (HNZ'06) and Mark Chambers (A'01, HNZ'02) will present.

"She's very engaging. It's a phenomenal opportunity for students and alumni in the area to connect with someone who's out there in the public eye using what she learned at Heinz every single day. That's a great chance for students to have to make those connections," she said.

The final lecture has broad appeal for consumers. Nitya Chambers (H'01) works as an online producer for ABC News and Frank Janesh (A'01) works in the Los Angeles entertainment industry. Together, they'll touch on topics of pro-

cess and what it means to be a consumer receiving a product.

"Whether it's the entertainment or news industry, it's valuable to know what goes into that process as well as looking at two very diverse stories," Shockling said. "Frank's company does technology, production and design, and he does a lot of virtual simulations for the armed forces for training. Nitya works for ABC News in Washington, D.C."

The common theme for all of the talks is engagement.

"The role that Alumni Relations plays here is developing those relationships with alumni and encouraging them to get involved with what's happening on campus. Most of the times when younger alumni come back, it might be for a single talk with current students in their department. So the idea of having this broader access across the university community is why we and the alumni are so excited," Shockling said.

## Homecoming Highlights, Nov. 3-6

Carnegie Mellon's Homecoming will take place Nov. 3-6. For a complete list of events visit [www.cmu.edu/homecoming](http://www.cmu.edu/homecoming).

Some of the highlights are:

### Wednesday, Nov. 3 Homecoming Kick-off BBQ

Sponsored by the Student Homecoming Committee  
11:30 a.m.-2:30 p.m., The Fence

### Thursday, Nov. 4 Alumni Distinguished Achievement Award Recipient Lecture

Stuart Card (TPR '70, HS '78) a leader in human-computer interaction and a pioneer in information visualization, and Naoko Matsubara (A'62), one of the foremost Japanese woodcut artists in the world.  
4:30-6 p.m. Rangos Ballroom, University Center (UC)  
Online registration is required at [www.cmu.edu/homecoming](http://www.cmu.edu/homecoming).

### LMAO: An Evening of Comedy & Music

Co-Sponsored by AB Comedy & the Student Homecoming Committee. Comedian will be announced at a later date.  
8 p.m., Rangos Ballroom, University Center (UC)  
Online registration is required at [www.cmu.edu/homecoming](http://www.cmu.edu/homecoming).

### Friday, Nov. 5 Institute for Software Research Wean Hall Space Dedication & Open House

The Institute for Software Research (ISR) in the School of Computer Science will be dedicating its newly renovated space. The event will open with a ribbon cutting ceremony and will include tours of the new office and lab space as well as presentations and demos of ongoing work by the department's faculty, students and staff in areas including software engineering, security, privacy, social

networking, and mobile commerce. Refreshments will be provided.  
3-5 p.m., fourth and fifth floors, Wean Hall

### Eat Your Pride!

Decorate your own Tartan themed cookie on the way to the Alumni Awards. Sponsored by the Student Homecoming Committee.  
4 p.m., Kirr Commons, 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. All are welcome. A reception will immediately follow the ceremony.  
5-9 p.m., Rangos Ballroom, UC  
Online registration is required at [www.cmu.edu/homecoming](http://www.cmu.edu/homecoming).

### Scotch'n'Soda Production: The Rocky Horror Show

Let's do the Time Warp again! Join Scotch'n'Soda Theatre's foray into the bizarre in the Homecoming production of the cult-classic rock musical The Rocky Horror Show! But don't expect to just sit back and relax — dressing up and audience participation are highly encouraged.  
11 p.m., and Saturday at 3 p.m. and 8 p.m., McConomy Auditorium, UC

### Saturday, Nov. 6 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 perspective on Carnegie Mellon life today.  
10-11:30 a.m. Connan Room, UC

### Carnegie Clan's Annual Homecoming Chili Cook-Off

The Carnegie Clan invites alumni to come interact

and mingle with students while enjoying the best chili Carnegie Mellon has to offer at the 6th annual chili cook-off.  
11:30 a.m.-2 p.m., Plaza between the UC & West Wing, Rain Location: UC Loggia

### Carnegie Mellon Tartans vs. University of Chicago Maroons

1 p.m., Gesling Stadium

### Building Virtual Worlds

You've heard about this class from the creator himself, Randy Pausch. Now, you can see it in person as MK Haley, co-producer of the Entertainment Technology Center, and her students demonstrate some of the worlds created in recent years as well as present a sneak peek to what the campus will see at the BVW presentation in December.  
3-4 p.m., Connan Room

### Highland Games

The Student Homecoming Committee hosts a family friendly event filled with Scottish heritage with a Carnegie Mellon twist!  
3-5 p.m., the Cut

### Bhangra in the Burgh

Bhangra in the Burgh is an annual intercollegiate dance competition featuring Bhangra, the fast-paced energetic dance that originates in India. With a sold-out crowd for the past three years, more than \$30,000 has been raised for a local charity, The Children's Home of Pittsburgh. For a sample of past shows and to learn more about Bhangra, visit: [www.bhangraintheburgh.com](http://www.bhangraintheburgh.com).  
7 p.m., Soldiers & Sailors Auditorium, Oakland  
Tickets are \$10 for students (Pitt or CMU ID required), \$25 for general admission and \$50 for VIP Admission.

### Carnegie Mellon Wind Ensemble

Conducted by Denis Colwell  
8 p.m. Kresge Theatre

### DeepLocal: Mobile Technology & Design

It's more than just a phone. Take a closer look at the way mobile technology is changing the way we interact with the world around us with Nathan Martin (A'99), founder and CEO of DeepLocal, Inc.  
6:30-8:30 p.m., Thursday, Nov. 18  
Peter/Wright Rooms, UC

### Sustainability & Government

What do you mean when you say "sustainable?" And what does that mean for our leaders and policy makers? Join Natalia Rudiak (HNZ'06) and Mark Chambers (A'01, HNZ'02) who work in the public sector for Pittsburgh and the city of Washington, D.C. They'll share their stories of strategic and sustainable planning for our future.  
6:30-8:30 p.m., Thursday, Feb. 17  
Connan Room, UC

### The Means to the End

Sometimes the story of the process is as exciting as the product itself. Nitya Chambers (H'01) and Frank Janesh (A'01) working in the entertainment industry in Los Angeles and the news industry in Washington, D.C., talk about what it takes to go from an idea to a completely polished work.  
6:30-8:30 p.m., Wednesday, March 31  
Rangos Hall, UC

Meet and network with alumni for casual conversations during a dessert reception before each presentation. Stories begin at 7 p.m. Show+Tell is free and open to all members of the Carnegie Mellon community. For more information about the program, contact Shockling at [andrea@andrew.cmu.edu](mailto:andrea@andrew.cmu.edu) or 412-268-7389, or visit [www.cmu.edu/alumni/students/show-and-tell.html](http://www.cmu.edu/alumni/students/show-and-tell.html).

# Freedom To Read

## CELEBRATING BANNED BOOKS WEEK ALL SEMESTER LONG

■ Shilo Raube

Stephanie Meyer's "Twilight," Harper Lee's "To Kill a Mockingbird" and J.D. Salinger's "Catcher in the Rye" may be loved by many, but their appeal is not universal. The books, which individuals or groups argue that are too controversial for widespread audiences, are among the most challenged titles of 2009 as tracked by the American Library Association (ALA).

Since the launch of the ALA's Banned Books Week in 1982, more than a thousand books have been challenged by school districts and other groups for their content. The ALA event has become an international occasion that draws attention to controversial books and promotes intellectual freedom.

English Professor Kathy M. Newman, who is writing a book on the 1950s — a period of anti-Communist censorship — rolled out a new class this semester, "Studies in Print Culture: Censored Texts," that examines book censorship from the mid-20th century through the present.

"These students, many of them born in the late 1980s and early 1990s, have no connection to something like McCarthyism, but they have their own unique experiences with censorship," Newman said. "I was surprised to learn on the first day of class how many of the students

had battled their own high school administrations over issues like gay rights and theatrical censorship. These students are fighting new battles, and this class will hopefully give them a historical perspective on their own efforts."

The class, in high-demand from English and drama students, focuses on three types of censorship during America's mid-century: political, racial and sexual. The students will read texts such as Arthur Miller's "The Crucible," Lee's masterpiece, which celebrated its 50th anniversary this year, and James Baldwin's "Giovanni's Room" as well as written excerpts from both sides of the controversies.

"I want the students to learn how to empathize with those doing the censoring," Newman said. "If we dismiss the perspective of the censors of the past, we won't be able to prevent the worst kinds of censorship from taking place in the future."

As creative writing major Clare McKendry (H'12) explains, she had her own reasons for enrolling in this class.

"I come from a very small town in California where cultural censorship was common. Certain plays weren't performed at my high school, for example," McKendry said. "I am hoping to gain a better understanding of censorship in the



PROFESSOR KATHY M. NEWMAN'S CLASS IS CELEBRATING BANNED BOOKS THROUGHOUT THE SEMESTER WITH A CLASS ON CENSORSHIP.

ways I have experienced it in other parts of the country."

Like McKendry, professional writing major Jessica Hersh (H'12) has had her own brushes with the censor.

"My freshman year of high school the school board debated removing 'To Kill A Mockingbird' and 'I Know Why the Caged Bird Sings' due to their 'mature' content. I have continued to be perplexed as to why influential and interesting writing would be discouraged," she said.

Newman took the class to see the movie about Ginsberg's famously censored poem, "Howl," which premiered

on Friday, Sept. 24.

"Being a parent has changed my views on censorship from when I was in college," Newman said. "I find myself more scandalized by popular culture, and I want to be protective of what my children are exposed to. At the same time I continue to believe that we must defend free speech of all kinds, and I hope that my students and I leave this class with our minds a little more open than when we started on this journey."

Banned Book Week was celebrated this year from Sept. 25 through Oct. 2. For more information on the Department of English, visit [www.cmu.edu/hss/english/](http://www.cmu.edu/hss/english/).

## Heinz Center Combines Innovation & Education for Arts Management

■ Jeffrey Inscho

From dynamic websites and emerging technologies to robust database infrastructure and participatory user experiences, the intersection of art and technology is an exciting and rapidly evolving space. In the midst of this activity is the Center for Arts Management and Technology (CAMT), an applied research center at the H. John Heinz III College.

Since emerging from a student project in 1994, the focus of CAMT has been to analyze how arts organizations can best use online technologies to meet management needs. From advocacy to engagement to maximizing organizational efficiency, CAMT's staff, led by Executive Director David Dombrosky, works to effectively and creatively solve pressing technological issues in the cultural sector.

"By identifying, exploring and experimenting with the synergies between arts management and online technology, CAMT serves as a trusted guide for the nonprofit arts industry to ensure that it has the knowledge and tools necessary to effectively navigate through emerging trends and challenges," Dombrosky said.

The center is organized into two distinct arms to meet industry and specific client needs. The most publicly visible branch of CAMT is its Technology in the Arts Program, which encompasses a

widely downloaded podcast, a popular blog, research publications and professional development webinars for arts managers nationwide found at [www.technologyinthearts.org](http://www.technologyinthearts.org). In addition to these online resources, CAMT organizes professional workshops throughout the country, including a series of technology-based sessions for the Performing Arts

**"CAMT SERVES AS A TRUSTED GUIDE FOR THE NONPROFIT ARTS INDUSTRY." — DAVID DOMBROSKY, CAMT EXECUTIVE DIRECTOR**

Exchange Conference held in Pittsburgh Sept. 29-Oct. 2.

"We consider Technology in the Arts to be the service arm of CAMT," Dombrosky said. "We started it in 2006 with the dual goals of providing valuable resources and information to the field at large, and also increasing CAMT's visibility in the arts and culture industry. Today, more than four years later, I think we're meeting those objectives."

The second arm is a collection of services and online applications. CAMT works closely with a dynamic roster of clients that includes state arts agencies and private foundations to meet organization-specific needs. Some innovations that have emerged as a result of client relationships include eGrant, a project

developed jointly in the late 1990s with the Pennsylvania Council on the Arts to streamline grant applications, reviews and awards; as well as CueRate, an online artist application and panel review system designed to simplify adjudication needs.

"CueRate is a great example of how the visual arts industry can adapt

and thrive in the midst of immense technological shift," Dombrosky noted. "Responding to the obsolescence of analog slide projectors, the longtime standard for adjudication panels, CAMT and key client partners developed a digital method by which organizations can efficiently manage panel reviews of content. All of a sudden, panelists now have the ability to participate in multiple locations. Efficiency and productivity have nowhere to go but up."

But perhaps the most unique aspect of CAMT's work is the benefit it provides Heinz College's Masters of Arts Management (MAM) students, who work alongside staff as they research timely issues in the field and recommend technology-based solutions. The

students also contribute articles for the Technology in the Arts blog. Dombrosky values CAMT's partnerships with Heinz students, and sees the center increasing its focus on student-led research and consulting projects.

"Classes at Heinz College introduce you to the broader structure and context of policy-making and arts issues. Doing research on specific arts and technology issues and writing about them for CAMT has been the perfect complement to those classes," said MAM student Amelia Northrup. "The CAMT staff knows the capabilities of Heinz College students. They know how to push you to achieve your full potential while still taking into account the commitments of being a full-time student."

When asked about his longterm vision for the center, Dombrosky highlights an emphasis on growing the research side of the organization. He notes a specific focus on center-initiated research that will benefit the industry as a whole, such as a recent survey conducted to analyze arts organizations' needs and use cases of electronic ticketing software.

Where the future will take CAMT is as unpredictable as the broader technology landscape. But one thing is certain — it is a very exciting time to be working at the intersection of art and technology.

# Three New Named Chairs Added to MCS, CIT and Tepper

Award-winning faculty members Rick McCullough, Yu-Li Wang and Laurie Weingart recently received named professorships in their colleges in recognition of their teaching, cutting-edge research and mentoring of students.

## Rick McCullough



Carnegie Mellon's Vice President for Research and Professor of Chemistry Rick McCullough has been named the Thomas Lord Professor in Chemistry in recognition of his contributions to the field of chemistry and to the university.

The professorship is named after Thomas Lord, an inventor, businessman and philanthropist, who established funds at a number of institutions to foster excellence, technology, and innovation in health care and engineering.

McCullough joined the chemistry faculty at the Mellon College of Science in 1990. He became head of the department in 1998 and was appointed MCS dean in 2001. In 2007, McCullough was appointed the university's first vice president for research, a position in which he nurtures interdisciplinary research initiatives and oversees sponsored research and technology commercialization. In addition to his administrative roles, McCullough continues to teach and maintains an active lab.

"In a university, we can measure successes in many different ways — through papers, citations, grants and patents — and Rick has many of these. But perhaps one of the best measures can be found in the success of those that we teach and mentor. More than 60 students have worked in Rick's lab in the last 20 years, and many of them have gone on to become academics and researchers themselves," said Fred Gilman, dean of the Mellon College of Science and Buhl Professor of Theoretical Physics.

McCullough is a founder, board member and chief scientist of Plextronics, Inc., the world leader in developing active layer technology for printed electronic devices.

He earned his bachelor's degree in chemistry from the University of Texas at Dallas and his doctorate in organic chemistry from Johns Hopkins University.

## Yu-Li Wang

Yu-Li Wang has received the Robert Mehrabian Professorship for groundbreaking research in biomedical engineering. Mehrabian was the university's seventh president, serving from 1990 to 1997.

The Mehrabian Professorship was a gift of university trustees Thomas McConomy, Andrew Merson, Charles Queenan Jr., William Snyder III and Bud Yorlin.



"I am both honored and pleased to receive this accolade as we continue to work to help meld basic research with cutting-edge technologies to produce new medical and industrial applications," said Wang, head of Carnegie Mellon's Biomedical

Engineering Department since August 2008.

Wang, whose research focuses on mechanical forces and interactions of living cells, received his Ph.D. in biophysics from Harvard University in 1980, and was a professor in the Department of Physiology at the University of Massachusetts in Worcester, Mass., from 1997 to 2008.

"This is a wonderful honor for Dr. Wang who is a world-renowned scientist and innovative leader for our Biomedical Engineering Department," said Pradeep K. Khosla, the Dowd University Professor and dean of Carnegie Mellon's top-ranked College of Engineering.

Wang has published more than 100 papers in top journals, co-edited three books and has given more than 70 talks around the world in the past decade.

Prior to coming to Carnegie Mellon, Wang was a staff scientist and senior scientist at the National Jewish Medical and Research Center in Denver, Colo., from 1982 to 1987, and a senior scientist and principal scientist at the Worcester Foundation for Biomedical Research at Shrewsbury, Mass., from 1987 to 1997.

## Laurie R. Weingart

Laurie R. Weingart has been named the Carnegie Bosch Professor of Organizational Behavior and Theory at the Tepper School of Business.

The chair distinguishes academic excellence, recognizes significant contributions to the field of organizational behavior, and commemorates the distinctive relationship between the Tepper School and the Bosch Group through the Carnegie Bosch Institute.



"Laurie is a recognized researcher, a popular professor, a mentor to junior faculty, a collaborator across the Carnegie Mellon campus, and a true innovator in her academic field," said Kenneth B. Dunn, dean of the Tepper School. "I've been both impressed and grateful for Laurie's consistent readiness to step up and volunteer for initiatives that benefit the school and our students."

Weingart's research is in the study of groups, focusing on team dynamics, strategic behavior in negotiation and innovation processes within teams. An author widely published by top-tier academic journals, her work includes a groundbreaking 2004 paper published in the *Journal of Applied Psychology* that became a catalyst for disrupting the conventional wisdom regarding the impact of task conflict and relationship conflict upon team performances.

Weingart joined the faculty at the Tepper School in 1989 after earning her Ph.D. and master's degree in organizational behavior from the Kellogg School of Management at Northwestern University, and her bachelor's degree in industrial psychology from the University of Illinois, Urbana-Champaign. She is the founding president of the Interdisciplinary Network for Group Research, chair of the Conflict Management Division of the Academy of Management and a member of several editorial boards for journals in social psychology and management.

# Women@INI Begin Countdown for Computer Engineer Barbie

■ Chriss Swaney

At 51 years old, Barbie is starting a new career as a computer engineer. For the first-time ever, Mattel polled fans online to solicit the popular doll's 126th career move, and the winner of the popular vote was Computer Engineer Barbie.

CMU engineering alumna Erin Fitzgerald had a hand in designing the new trendy doll and visited campus in September to kick off the countdown for the release of the new doll. The event was hosted by members of Women@INI, which is committed to promoting and supporting the professional and academic goals of Information Networking Institute (INI) students.

"Some might argue that it's silly to get excited about a new Barbie doll. But I believe that technical role models for girls are important in any form because in recent years far less women than men are pursuing computer science degrees," Fitzgerald (E'02) told an audience at the INI building. "Barbie has already had 126 careers, don't be forced to define your own role. Find out what's important to you and contribute to that."

Fitzgerald is currently an AAAS Science & Technology Policy Fellow in the Research Directorate of the Office of the Director of Defense Research and

Engineering in the U.S. Department of Defense.

In January, Fitzgerald became involved in the project after receiving a call from the National Academy of Engineering soliciting ideas for what a Barbie doll might look like if she were a computer engineer.

The result is a ponytailed doll in black leggings and a top decorated in binary code that spells Barbie, and lots of pink accessories — pink chic glasses, Bluetooth headset and shoes.

"What computer engineer Barbie will do is broaden the realm of not only what is possible, but also what feels accessible — being smart, confident and tech-savvy without sacrificing femininity and fun," Fitzgerald said. "Engineers come in all shapes, sizes and wardrobes."

Computer Engineer Barbie will be available this fall and can be pre-ordered online. Mattel first introduced Barbie in 1959.

"It's important to let our aspiring women engineers celebrate this recognition of their career



ALUMNA ERIN FITZGERALD (E'02) PROVIDED INPUT THAT HELPED SHAPE MATTEL'S COMPUTER ENGINEERING BARBIE DOLL, WHICH WILL BE AVAILABLE THIS FALL.

choice as an inspiration for modern girls. Women like the engineers at CMU are breaking the mold of past stereotypes," said Dena Haritos Tsamitis, director of the Information Networking Institute and director of education, training and outreach for Carnegie Mellon CyLab.

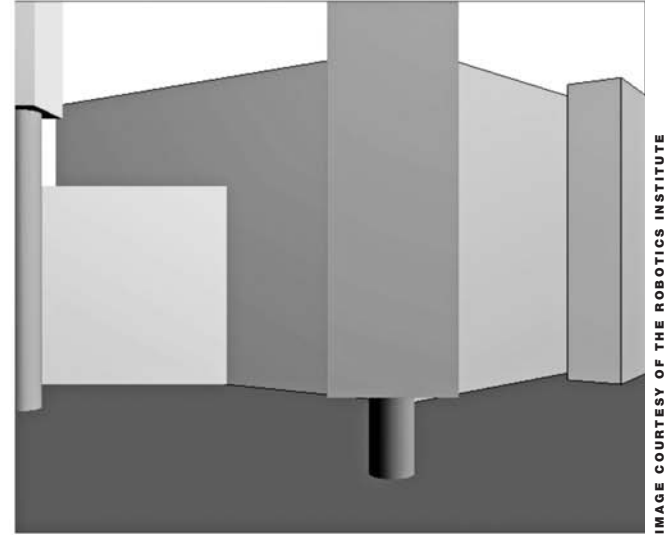
# Building Blocks

## SHAPES TO HELP COMPUTER VISION SYSTEMS DECIPHER OUTDOOR SCENES

■ Byron Spice

Computer vision systems can struggle to make sense of a single image, but a new method devised by computer scientists enables computers to gain a deeper understanding of an image by reasoning about the physical constraints of the scene. In much the same way that a child might use building blocks to assemble something that looks like a building depicted on the cover of a toy set, the computer would analyze an outdoor scene by using virtual blocks to build a three-dimensional approximation of the image that makes sense based on volume and mass.

“When people look at a photo, they understand that the scene is geometrically constrained,” said Abhinav Gupta, a post-doctoral fellow in CMU’s Robotics Institute. “We know that buildings aren’t infinitely thin, that most towers do not lean, and that heavy objects require support. It might not be possible to know the



PICTURED ABOVE IS A TYPICAL SCENE OF SOME BUILDINGS AND TREES, ALONG WITH THE BLOCK VERSION OF THE SCENE.

three-dimensional size and shape of all the objects in the photo, but we can narrow the possibilities. In the same way, if a computer can replicate an image, block by block, it can better understand the scene.”

Alexei A. Efros, associate professor of robotics and computer science, said this novel approach to automated scene analysis could eventually be used to understand not only the objects in a scene, but the spaces in between them and

what might lie behind areas obscured by objects in the foreground. That level of detail would be important, for instance, if a robot needed to plan a route where it might walk, he noted.

## Qatar Building Hosts INJAZ

■ Andrea L. Zrimsek

Mohamed Dobashi, associate teaching professor, is helping the youth of Qatar as a board member for INJAZ al-Arab. It’s something he feels strongly about and he doesn’t have far to go to contribute. It’s literally down the hall in the Carnegie Mellon Qatar building.

INJAZ, which is an Arabic word for achievement, is a member of Junior Achievement (JA) Worldwide. The program works with business community members, educators and volunteers to inspire young people to dream big and reach their potential. Started in 1919 in Massachusetts, JA has spread to 123 countries.

“I had heard about Junior Achievements while in the U.S. and started researching to see if they had any activities in the region. I came to find out through INJAZ, that there was a substantial operations headquartered out of Jordan,” he said.

Since 2007, Carnegie Mellon has provided in-kind contributions in the form of space, office furniture and office equipment. INJAZ started in Education City’s Liberal Arts and Sciences building and moved into the current building in August 2008.

“We try to support them as much as possible. Carnegie Mellon Qatar will certainly gain from this outreach as we will see more students interested in studying business, computer science and information science,” Dobashi said.

INJAZ harnesses the mentorship of Arab business leaders to help inspire a culture of entrepreneurship and business innovation among Arab youth.

“Our mission in Qatar is to prepare and educate the Qatari youth for a global economy,” said Fayza Mehanna, program director.

Volunteers from the local business community donate their time, and all program costs are covered through sponsorships. The professionals spend 12 weeks turning a classroom into a company. Students select a president and officers then develop a product or service to sell. At the end of the program, the business is liquidated.

INJAZ is not only important for Education City but for the entire region, Dobashi said.

“We looked at some of the statistics regarding students who participate in INJAZ or Junior Achievements worldwide and we found out that students who participate in the programs are more likely to become entrepreneurs,” he said. “The Gulf Region and the entire Middle East is going to have to create millions of jobs otherwise the unemployment figures will continue to rise. The public sector can only produce so much and there will be a shortage of jobs unless the private sector can create additional opportunities. Organizations such as INJAZ create the awareness and provide an encouragement as well as training to young students with the hopes they would go off and start up business, which is badly needed in the region.”

Thirteen schools in Qatar use the program, and it reaches nearly 2,000 students. Mehanna said the goal for the next three years is to reach 5,000.

## Q&A With Staff Council Chair

CONTINUED FROM PAGE TWO

Council. Our Food Drive effort on behalf of the Greater Pittsburgh Community Food Bank is open to anyone who wishes to help. You don’t have to be a representative to help with the Food Drive. Participation in other committees in a non-voting capacity is also allowed if approved by the Executive Committee. This permits involvement with a particular issue or cause without the time commitments and duties required of Staff Council representatives.

### Staff Council recently conducted an awareness survey. What were the findings?

Despite all of the activities Staff Council sponsors or partners with the administration, it is surprising to see that 58 percent of those responding to the survey, were either “not familiar” or “a little familiar” with Staff Council. We would like to change that by doing a better job of communicating with staff on a regular basis. We are looking to improve the website and do more mailings.

For the first time, we will be establishing focus groups to obtain staff input. The first focus groups will occur in Computing Services. We hope to do more of these in the future if staff are receptive to this type of forum. I also was surprised to see that more than 50 percent of those responding to our survey were not aware of their Staff Council representative to contact about specific issues and concerns. In terms of this finding, I would like our representatives to conduct more proactive communications with our constituents.

## Poll Focuses on Local Government

CONTINUED FROM PAGE FOUR

the day answering a detailed survey. The results will be presented to public officials later this fall.

Emily Unikel of Friendship participated in the poll and thought the discussions were interesting and necessary. “Having the opinions of citizens is a piece of the puzzle,” she said. “There are a lot of good ideas, but it will depend on the people in power and if they will use this feedback and take it seriously.”

Robert Cavalier, teaching professor of philosophy and co-director of the PDD, has previously conducted deliberative polls on topics such as marriage in America, public art, community collaboration and climate change. Cavalier was pleased with the turnout and overall event.

“It was an extraordinary spectacle,” he said. “Once everyone got started, the conversations began in a friendly manner. The entire room was fully engaged; they were looking at their background documents and telling stories. It was an excellent example of deliberative democracy in action.”

For more information about the PDD, visit <http://hss.cmu.edu/pdd/>. To watch a short video of Cavalier discussing the deliberative poll, visit [http://www.youtube.com/watch?v=Qm9Ir0VZ\\_Dc](http://www.youtube.com/watch?v=Qm9Ir0VZ_Dc).



## LECTURE SPOTLIGHT: CUBAN BUILDINGS CAPTURES ARCHITECT'S IMAGINATION

**WHO:** JULIO CESAR PEREZ HERNANDEZ  
**WHAT:** "SUSTAINABLE URBANISM"  
**WHEN:** 6 P.M., TUESDAY, OCT. 26  
**WHERE:** PORTER HALL 100 (GREGG HALL)

■ Heidi Opdyke

Cuban architecture expert Julio Cesar Perez Hernandez describes his homeland's buildings as "magical and poetical" with character and charm.

"Cuban architecture tells about the people's idiosyncrasies, the culture, the way of living, the foreign influences and the passage of time," Hernandez said. "It's timeless and unique disregarding styles."

Hernandez will discuss his ideas on "Sustainable Urbanism" at 6 p.m., Tuesday, Oct. 26, in Porter Hall 100 (Gregg Hall). His lecture is part of the University Lecture Series.

"We need to live in a new way so we are aware of the current challenges and how to deal with nature and the built environment in a way that it is preserved for the next generations," Hernandez said. "Sustainable urbanism is the philosophy that corresponds — in terms of place making and city building — to our digital age. [It] means to seek a way of

living that reconciles human needs with ecological imperatives. Sustainability encompasses the whole human activity and sustainable urbanism must help create healthy places with economic valance and social integration."

An internationally recognized architect, consultant and urban planner, Hernandez has lectured widely in the United States, Canada and Europe about Cuban architecture.

Along with a group of his contemporaries that graduated in the 1980s, he is a promoter of a movement for the renovation of Cuban architecture that was built prior to and during the 1980s.

While a Loeb Fellow at Harvard University from 2001-2002 in Advanced Urban and Environmental Studies, Hernandez completed a master plan for 21st Century Havana with the goal of preserving the city's urban legacy, while remaining true to its people and encouraging future development. He



JULIO CESAR PEREZ HERNANDEZ'S OWN STUDIO USES FEATURES FOUND IN CUBAN ARCHITECTURE. THE WINDOWS ALLUDE TO THOSE OF COLONIAL ARCHITECTURE AND USE GLASS THAT FILTERS THE STRONG TROPICAL LIGHT CASTING APPEALING SHADOWS INTO THE SPACE.

PHOTOS COURTESY OF JULIO CESAR PEREZ HERNANDEZ

says the two greatest problems are transportation and housing. The plan calls for infrastructure upgrades, detailed design guidelines for new and existing neighborhoods, parks and public spaces as well as a new public transportation system with bicycle lanes, trolleys and a subway system.

Hernandez is the author of "Inside

Cuba," published by Taschen Editions (2006), which explores the interiors of some of the cultural heritage sites and diverse homes, hotels and hangouts. He is currently writing the book "The Magic Landscapes and Urban Design of Havana," which is a comprehensive essay about the history and evolution of the capital city of Cuba.

## CMU Dance Clubs in Full Swing

■ Bruce Gerson

If the megahit reality television show "Dancing With the Stars" has got you tapping your feet, you're not alone. Now in its 11th season, the live ballroom dancing competition among celebrities and professional athletes has piqued interest in ballroom dancing at studios and clubs around the U.S. And the dancing fever has hit Carnegie Mellon as well.

"We see a big upswing in beginners with every new season of the show. It keeps ballroom dancing in people's minds," said Andrew Pueschel (H'00), artistic director of the Absolute Ballroom Dance Club of Pittsburgh and a visiting instructor for Carnegie Mellon's Ballroom Dance Club.

Senior business administration major Jackie Zhang, a four-year member, instructor and president of CMU's Ballroom Dance Club that has nearly 200 members, agrees.

"One of my friends, who is now an officer in the club, joined because of 'Dancing With the Stars,' and I think a lot of people have joined because of the show. It has brought a lot of awareness and interest in ballroom dancing. Before it was more middle-aged women dancing, but now there are a lot of collegiate dancers," she said.

The Ballroom Dance Club, which is open to all students, faculty and staff

at CMU and other area colleges and universities, offers six hourlong lessons each week in Rangos Ballroom and the University Center (UC) Activities Room. Half of the lessons are taught by visiting professional dance instructors, like Pueschel, and half are taught by advanced students, like Zhang.

For a \$25 membership fee per semester, instruction is offered in about 20 ballroom and social dances, such as the cha cha, paso doble, foxtrot, waltz, rumba, Argentine tango, salsa, swing and hustle. Zhang said there are different styles and steps to the social and ballroom versions of each dance.

"It's the most affordable way to dance. You get 54 hours of instruction per semester. And the first lesson is free," Zhang said.

The club also hosts events throughout the year, including its annual Valentine's Day Ball. A Halloween Dance is on the schedule for later this month, and Zhang is working to get four-time world champions Iveta and Gherman to give a workshop sometime this academic year.

In addition to the lessons and events, about 50 to 60 members travel to competitions several weekends throughout the year. Last semester the team placed fifth at the Arnold Schwarzenegger DanceSport Challenge in Ohio. This year there are two competitions in November, two in March and two in April.

"All of the schools we're up against academically have huge teams. MIT, Harvard, Princeton, Penn and Michigan all have big teams," Zhang said.

If you're interested in giving ballroom dancing a try, visit the club's website at [www.cmubdc.org/](http://www.cmubdc.org/) for the class schedule and local dance events.

### Chicken Swing

If ballroom's not quite your thing, but you still have that urge to swing, CMU's Swing Dancers Anonymous, better known as Chicken Swing may be right for you.

Led by Madeleine Robson, a sophomore architecture major, and Forrest Rogers-Marcovitz, a robotics engineer at the National Robotics Engineering Center in Lawrenceville, Chicken Swing gets together Thursday nights for a one-hour lesson in swing from an area dance instructor, followed by two hours of open dancing. Sessions are held in either Rangos Hall or in the lower level of the UC next to the FedEx store.

Swing includes the East Coast swing, also known as the jitterbug, the Lindy Hop, the Charleston, the West Coast swing and the balboa. It also offers lessons in blues dancing.

"Ballroom is very formal and structured, but swing is much more improvisational," said Rogers-Marcovitz, who prefers the Lindy Hop and the slower

tempo of blues dancing.

In addition to Thursday night sessions, the group of about 50 regular participants from CMU and other area universities, attends local and tri-state area swing exchanges. CMU will help to host the PittStop Lindy Hop Exchange Nov. 19-21 ([www.pittstoplindyhop.com](http://www.pittstoplindyhop.com)).

"We have about 350 people coming to our Lindy Hop Exchange. We help with housing and some of the dances will be in Rangos. We'll have seven dances, 28 hours of dancing and six or seven bands. It's the biggest event of the year," Rogers-Marcovitz said.

Last summer while traveling in Europe, Rogers-Marcovitz attended a swing dance camp in Herang, Sweden, two hours north of Stockholm. "The week I was there they had roughly 1,200 people from 45 countries. I took classes there for a week and danced every night."

Robson, also a member of the CMU Ballroom Dance Club, likes the casualness of Chicken Swing. "If you mess up nobody will care. If you spectacularly mess up, people will applaud you. The odder things you do, the better," she said.

For more information about Chicken Swing and to get on its 380-member mailing list, go to [www.chickenswing.com/](http://www.chickenswing.com/).

## Emails Used As Bait

CONTINUED FROM PAGE ONE

“Once the sender receives that personal information, they can use it for identity theft or to gain access to other resources and sensitive information,” Blair said. “That’s why it’s important for us to know if an email account has been compromised, so we can respond immediately and limit the impact.”

Blair notes that phishers are sophisticated and know how to prey on every human weakness, so people shouldn’t feel bad if they’ve been duped. “If someone responds to an email that they shouldn’t have, they should contact ISO and we will help to investigate the matter,” she said.

One type of phishing attack that has become more prevalent lately is “spear phishing,” which directly targets a community of users. Carnegie Mellon has recently experienced spear attacks in which emails are sent to the campus community asking users to provide their password information promptly. The email appears to come from a cmu.edu address, making users think that the email is legitimate. So how do users know if the email is from a legitimate university source?

“First, we never ask for email account or username information when we email the community,” Blair said.



“ANTI-PHISHING PHIL,” A GAME THAT TEACHES PEOPLE HOW TO IDENTIFY AND AVOID PHISHING WEBSITES, IS AVAILABLE AT [WWW.CMU.EDU/ISO/AWARE/PHIL/INDEX.HTML](http://WWW.CMU.EDU/ISO/AWARE/PHIL/INDEX.HTML).

own researchers to both detect phishing emails more quickly and prevent phishing attacks.

“We work with researchers to study attack profiles, design detection and prevention, and measure the success of such initiatives,” Blair said.

She notes, however, that users are part of the solution and need to be cautious when replying to or clicking links in emails. To that point, CMU researchers in the CyLab Usable Privacy and Security Laboratory (CUPS) created an interactive game called “Anti-Phishing Phil” that teaches people how to identify and avoid phishing websites. The game helps users see how phishers arrange content on the Web to make it look legitimate, even when it’s not. The game is available to the campus community on the ISO website: [www.cmu.edu/iso/aware/phil/index.html](http://www.cmu.edu/iso/aware/phil/index.html).

“General awareness is so important because filtering technology and other tools are not completely accurate and phishers adapt their techniques. Human judgment is the last line of defense,” she said.

The ISO conducts training sessions for faculty and staff on computer security and related topics. For more information on classes, visit [www.cmu.edu/iso/events/events/index.html](http://www.cmu.edu/iso/events/events/index.html).

**Upcoming Identity Theft Training**  
**1:30 – 2:45 p.m., Thursday, Oct. 21**  
**Dowd Room, University Center**  
**To register, visit [www.cmu.edu/hr/learning/seminars.html](http://www.cmu.edu/hr/learning/seminars.html) or email Wiam Younes at [wyounes@andrew.cmu.edu](mailto:wyounes@andrew.cmu.edu)**

“Additionally, Computing Services posts copies of its messages to the Computing Services website for verification. If anyone in the campus community has a question, we encourage them to call the Help Center or send email to [advisor@andrew.cmu.edu](mailto:advisor@andrew.cmu.edu).”

Computing Services has mail filters in place that both detect and discard spam emails or emails that contain viruses. Blair says Computing Services is collaborating with Carnegie Mellon’s

own researchers to both detect phishing emails more quickly and prevent phishing attacks.

## Silicon Valley Students Create SurveyMonster iPhone App

■ Linda Kloth

A Carnegie Mellon Silicon Valley student team created an iPhone app picked up by the iPhone store that allows users to create surveys and access real-time results. Reggie Nair, Vineet Nair and Ganesh Kaveripakam designed the SurveyMonster 1.0 for their course “Real World Software Engineering for Entrepreneurs.”



Todd Sedano, director of the Software Engineering Department, teaches the course that requires students to launch a software product onto either Facebook or Apple’s iPhone/iPad. Students need to hit the ground running to get feedback from users quickly and put their entrepreneurial skills to the test.

“The team listened to the marketplace and refined their original idea into an exciting project,” Sedano said. “Typically, engineers don’t see beyond

their laptop. I’m proud of how they responded to feedback from customers.”

A free iPhone app, SurveyMonster 1.0 enables iPhone, iPad and iPod users to create surveys, respond to surveys and view survey results. Surveys can be responded to via the app at <http://itunes.apple.com/us/app/surveymonster/id384317792?mt=8> or via Web server at [www.fidamedia.com/](http://www.fidamedia.com/). Surveys can be

published using this server, email and the users’ Facebook wall. Results are updated to iPhones instantly.

The vision of SurveyMonster, designed for a large interactive audience, is to empower consumers with instant and accurate information leveraging mobile and social networking media. Fellow students Katie Hope and Jason Crawford assisted the team with external graphics design and mentoring.

## Opera Holds Universal Appeal

■ Kristi Ries

Whether the plot involves jilted lovers, unfaithful spouses, unrequited love or betrothed sweethearts, operatic love stories are usually much more entertaining than reality TV. Love plays a central role in many a stage production, and the School of Music’s fall opera “Mozart Scenes: The Trials of Love” is no exception.

In the 18th century, a young Wolfgang Amadeus Mozart dazzled the classical music world with his brilliant compositions. He branched out into theatrical writing, and left a legacy of hilarious, dramatic operas.

“The Trials of Love” will showcase scenes from some of his most popular operas — “Cosi fan tutte,” “The Marriage of Figaro” and “The Magic Flute” — all written toward the end of Mozart’s career.

The production will take place Oct. 21-24 in the Purnell Center for the Arts’ Philip Chosky Theater. Andres Cladera serves as music director, and guest director Linda Brovsky will lead the production’s stage direction. Shows run nightly at 8 p.m., with a 2 p.m. matinee performance Sunday, Oct. 24. General admission is \$15, senior citizens are \$12, and college students are \$10 with valid ID. To buy tickets, call the box office at 412-268-2407.

## NEWS BRIEFS

### CMU Education Awards Nominations Due Nov. 1

Nominations for the 2010-2011 University Education Awards — the Academic Advising Award, the Robert E. Doherty Award and the William H. and Frances S. Ryan Award — are now being accepted. The Academic Advising Award recognizes outstanding contributions in helping undergraduate and graduate students to define and achieve their academic goals. The Doherty Award honors contributions to the development, implementation and evaluation of education programs at all levels, and to the creation and maintenance of an environment that fosters excellence in education. The Ryan Award recognizes excellence in teaching undergraduate and graduate students. Nominations, due by Monday, Nov. 1, must include a letter (maximum two pages) addressed to the appropriate committee, in care of Susan

Ambrose, associate provost for Education, Cyert Hall 127. Guidelines for the awards can be found at: [www.cmu.edu/celebration-of-teaching/](http://www.cmu.edu/celebration-of-teaching/)

### Doctors Rationalize Gifts From Drug Companies

Despite heightened awareness about the undue influence that gifts from pharmaceutical companies can have on doctors’ prescribing practices, and despite expanding institutional conflict-of-interest policies and state laws targeted at preventing such practices, companies keep giving gifts ranging from pens and paper, to free dinners and trips. And doctors keep accepting. A new study by lead author Sunita Sah, a physician who is completing her Ph.D. at CMU’s Tepper School of Business, and George Loewenstein, the Herbert A. Simon Professor of Economics and Psychology, reveals that physicians see these gifts as a form of reward for the sacrifices they made obtaining their education. Their study was published in the Journal of the American Medical Association.

### Children’s School Gates Need To Stay Closed

With CMU’s Children’s School back in session, members of the university community who pass through the school playground by the tennis courts are encouraged to close the gates to the stairs behind them to help keep the school children safe.

### Staff Council Offers Discount Opera Tickets

Staff Council has negotiated discount tickets for CMU staff members for the upcoming Pittsburgh Opera season, which includes “The Barber of Seville” (Oct. 9, 12, 15, 17), “Lucia di Lammermoor” (Nov. 13, 16, 19, 21), “Turandot” (March 26, 29, April 1, 3) and “Dialogues of the Carmelites” (April 30, May 3, 6, 8). For tickets go to [https://etm.patrontechnology.com/o/PO/p/run\\_module.php?\\_\\_module\\_\\_=1877](https://etm.patrontechnology.com/o/PO/p/run_module.php?__module__=1877).

### Supercomputing Group Receives Two Awards

The Three Rivers Optical Exchange (3ROX), the advanced network research group at the Pittsburgh Supercomputing Center, has received two awards from the National Science Foundation totaling more than \$2.5 million. A four-year \$1,535,000 Academic Research Infrastructure (ARI) Award from the NSF will support a major upgrade of the southwest Pennsylvania region’s research and education network environment, which 3ROX maintains and manages. The network connects CMU, Penn State, Pitt, Waynesburg, WVU and Pittsburgh Public Schools to national high-performance network resources. A three-year \$980,000 Software Development for Cyberinfrastructure (SDCI) Award from the NSF will support the Web10Gig Project, which will develop network software to enable ordinary users to effectively use advanced networks. Web10Gig builds on an earlier project called Web100 that ended in 2003 and produced prototype software still heavily used today. For more on the awards go to [www.psc.edu/networking](http://www.psc.edu/networking).

# Check Local Listings To See CMU Alumni in Primetime

Grab a snack and settle in as your favorite stars from the School of Drama light up primetime TV.

New this fall on NBC is "The Event," a conspiracy thriller starring Blair Underwood (A'88). Aaron Staton (A'04) is back on screen in AMC's award-winning drama "Mad Men." Tamara Tunie (A'81) returns to NBC's hit series "Law and Order: SVU," as does Cote DePablo (A'00) to "NCIS" on CBS.

More fall highlights include:

- Ted Danson (A'72), "Bored to Death," HBO
- Ming-Na (A'86), "Stargate Universe," Syfy
- Abby Brammell (A'01), "Lie to Me," Fox
- Anthony Carrigan (A'06), "Law and Order: Criminal Intent," NBC
- Josh Gad (A'03), "The Daily Show," Comedy Central
- Katy Mixon (A'03), "Mike and Molly," "Two and a Half Men," CBS
- Rhys Coiro (A'02), "Entourage," HBO; "Dark Blue," TNT; "Burn Notice," USA
- David Hornsby (A'98), "It's Always Sunny in Philadelphia," FX
- Joe Manganiello (A'04), "True Blood," HBO

Also keep an eye on the credits. CMU has plenty of stars behind the scenes including:

- Rustin Davis (A'06), key set production assistant, "Cougar Town," ABC
- Kourtney Kang (A'00), supervising producer, "How I Met Your Mother," CBS
- Kristen Hwang (A'08), production associate, "CBS News New York"
- Becky Frey (A'05), costume production assistant, "Late Night with Jimmy Fallon," NBC
- Clark Perry (A'02), writer, "V," ABC
- Sallie Patrick (A'02), writer, "Life



STARTING TOP LEFT, CLOCKWISE, PICTURED ARE TAMARA TUNIE, TED DANSON, AARON STATON, BLAIR UNDERWOOD, MING-NA AND MATT BOMER.

- Unexpected," The CW
- Kyle Billingsley (A'04), Foley mixer, "Flash Forward," "Castle," "Brothers & Sisters," all on ABC
- John Shaffner (A'76), production designer, "Mike and Molly," "Big Bang Theory," "Two and a Half Men," CBS; "The Conan O'Brien Show," TBS
- Michael Mayer (A'75), production designer, "Bones," Fox
- Jessica Kender (CMU'97), production designer, "Dexter," Showtime
- Alex Fuller (A'92), art director, "The Defenders," CBS
- Mark Worthington (A'91), production designer, "True Blood," HBO
- Joe Stewart (A'77), production designer, "The Conan O'Brien Show," TBS

Before you know it, January will arrive to find Matt Bomer (A'00) starring in a new season of "White Collar" on USA. Ian Harding (A'09) and Chuck Hittinger (A'05) also return to the screen in January with "Pretty Little Liars" on ABC Family. Meanwhile, be on the lookout

for Pablo Schreiber (A'00) who will be co-starring in "Lights Out," a new drama about an aging heavyweight boxer on FX.

Check your local listings for dates and times.

## piper TRIVIA

Congratulations to Chase Brownell, Kazan Braeckman, Robert White and George Silowash for answering the October Piper Trivia question.

Go online to the Piper+ at <http://bit.ly/CMUpiper> for this month's question. Previous winners are ineligible. Winners will receive a prize from the Carnegie Mellon Bookstore.

### Connect with Internal Communications



<http://bit.ly/CMUnewsFacebook>



<http://www.twitter.com/CMUnews>

## Grant To Fund Study of Nanotechnology's Impact

Researchers at Carnegie Mellon and Howard University in Washington, D.C., have received a five-year, \$3.15 million grant from the National Science Foundation (NSF) to launch a new interdisciplinary program in the environmental effects and policy implications of nanotechnology.

Funding comes from a new NSF program called the Integrative Graduate Education and Research Traineeship (IGERT), which enables the creation of interdisciplinary programs educating U.S. Ph.D.s in science and engineering.

"The IGERT program at Carnegie Mellon and Howard will operate at the interface of science and environmental policy to produce an environmentally and policy literate generation of nanoscience professionals with the skills needed to create novel nanotechnologies and to assess and manage environmental risks associated with nanomaterials," said Jeanne M. VanBriesen, professor of civil and environmental engineering, who will lead the program.

## Startup Partners With Robotics

Carnegie Robotics LLC, a new firm recently announced, will develop, create, manufacture and service robotic components, systems and products based upon technology licensed from CMU's highly successful National Robotics Engineering Center (NREC), an arm of CMU's Robotics Institute that performs applied research and prototype development for industrial and government organizations. John Bares, director of the NREC since 1997, has taken a leave of absence from the university to lead the startup company. Anthony Stentz, who has served as associate director since 1997, will take over leadership of the NREC.

Bares said Carnegie Robotics will initially concentrate on producing extremely reliable components that other manufacturers can use to automate machines used in such fields as mining, agriculture, petroleum production and defense. But as the company develops its own production expertise, plans call for manufactur-

ing and servicing entire robotic systems. Both the company and NREC might also benefit from jointly marketing their services, he added.

## CMU Joins DOE Research Team

Carnegie Mellon is part of a research team that will receive up to \$122 million over the next five years from the Department of Energy (DOE) to establish an Energy Innovation Hub focused on developing technologies to make buildings more energy efficient. The Energy Innovation Hub will be at the Philadelphia Navy Yard Clean Energy campus and will bring together leading researchers from academia, two U.S. national laboratories and the private sector in an ambitious effort to develop energy efficient building designs that will save energy, cut pollution and position the United States as a leader in this industry.

## Soccer Team Earns its Highest National Ranking

CMU men's soccer team received its highest national ranking in school history in September when the National Soccer Coaches Association of America ranked the Tartans third in the nation in NCAA Division III. CMU, 8-0 (as of Oct. 1), are led by Head Coach Arron Lujan. Last year the Tartans finished with a 16-3-1 record and advanced to the round of 16 of the NCAA Division III Championships for the first time in school history.

# 2010 Andy Awards Nominees Announced; Winners To Be Named Oct. 20

The Andy Awards, named for Andrew Carnegie and Andrew Mellon, are a tribute to the spirit of teamwork and dedication embodied by the staff at Carnegie Mellon University. Individual staff members and teams of colleagues whose work has had a significant impact on the university are recognized for their outstanding performance and commitment to excellence through the Andy Awards program. Awards are presented in five categories: Dedication, Commitment to Students, Innovation, Culture and University Citizenship.

As part of the Andy Awards, Staff Council will award more than 600 staff members with certificates for their years of service. During the ceremony, President Jared L. Cohon will present 35 staff members with framed certificates recognizing their 30, 35, 40 and 45 years of service. Robert Andereg, a senior facilities safety analyst with the Environmental Health and Safety Department, will be honored for 45 years of service to CMU. Another 320 staff members will be able to pick up their certificates for their 10, 15, 20 and 25 years of service at the reception, and 264 staff members will receive letters in campus mail recognizing their five years at CMU. The awards ceremony will take place at noon on Wednesday, Oct. 20 in McConomy Auditorium, University Center. A reception will immediately follow in Rangos Hall, UC. This year's nominees are:

## Outstanding Dedication



ANN ENGLISH  
HEINZ COLLEGE



VERA MELLOR  
ACCOUNTING



MICHELLE PIERSON  
EBERLY CENTER FOR  
TEACHING EXCELLENCE



JILL FERNANDES  
TEPPER SCHOOL OF  
BUSINESS



JAMES A. MERCOLINI  
OFFICE OF THE  
GENERAL COUNSEL



SUMITHA RAO  
HEINZ COLLEGE



NICHOLAS FIGEL  
DESKTOP SUPPORT



CARRIE NELSON  
INTERNATIONAL FINANCE



KARI SAMUELS  
INSTITUTE FOR  
SOFTWARE RESEARCH



GRETCHEN HUNTER  
HEINZ COLLEGE



JANET NOVELLI  
SPONSORED PROJECTS  
ACCOUNTING



GINNIE WHITE  
PRESIDENT'S OFFICE

## Outstanding Commitment to Students



MIKE DANKO  
ROTC



CHRIS SHARP  
OFFICE OF UNDER-  
GRADUATE ADMISSION



NICOLE WILLIS  
HUMAN-COMPUTER  
INTERACTION INSTITUTE

## Outstanding Innovation



KIM ABEL  
HOUSING & DINING  
SERVICES



ELECTRONIC HEALTH RECORDS SYSTEM TEAM:  
FIRST ROW (FROM LEFT): KEVIN WESTLING, CHRIS  
RIES, SHUSHAN KLEIN, LAURA WALSH, DAN KEN-  
NEDY AND BRIAN RICHARDS. SECOND ROW: DOUG  
MARKIEWICZ, KYLE CARSON, NICK BERTOVICH,  
CHRIS NOLIN, DARYL HOLLINGER, MATT BLAZEVI-  
CH, THOMAS DUGAS, DAVID RIEL AND MARY ANN  
BLAIR. NOT PICTURED: SCOTT AMBROSE, JOE  
COREY, ATTILA CSOKAI, MARC GABRIELE, JOSEPH  
KERN, RANDY MONROE, BILL O'MALLEY, STEPHEN  
RHOTON AND JOE SCIULLI.

## Outstanding Culture



PAT KLEYLE  
ENROLLMENT SERVICES



MARY L. PRETZ-LAWSON  
COMPUTING SERVICES



VARVARA PYROS  
HUMAN RESOURCES

## Outstanding University Citizenship



CAROLE M. PANNO  
UNIVERSITY  
ADVANCEMENT



ANDY WASSER  
HEINZ COLLEGE