



the PIPER

CMU'S NEWS SOURCE FOR FACULTY & STAFF 9/13 ISSUE

Carnegie Mellon University

New Tartans: President Suresh Welcomes His First Class

■ Kelly Solman

Calling himself a “freshman,” Carnegie Mellon President Subra Suresh congratulated the Class of 2017 and told them that he’ll be learning right along with them.

“I’m starting with you, and I hope to learn with you,” he told more than 1,400 first-year students and their families during his welcome in the Baker Hall tent at the start of Orientation Week on the Pittsburgh campus.

President Suresh began his talk by telling the Class of 2017 a little bit about themselves.

One of the most selective — a record-high 18,879 students applied for admission — and diverse classes in CMU history, 44 percent of this year’s class is female, 17 percent come from more than 40 countries and 15 percent are underrepresented minority students.

“Seventeen percent of you had a perfect 4.0 grade point average in your high school. Twenty-two percent of you received a perfect math score on your SAT exam. About 100 of you had a perfect Critical Reading SAT score,” he said.

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PHOTO BY TIM KAULEN

DURING ORIENTATION WEEK, PRESIDENT SUBRA SURESH STOPPED BY THE FENCE FOR A PHOTOGRAPH WITH MEMBERS OF THE CLASS OF 2017. STANDING BESIDE HIM ARE NEIL CARLTON AND VANESSA KALU.

INAUGURATION PLANNED

The Inauguration of Subra Suresh as Carnegie Mellon’s Ninth President will take place Nov. 14-15. Here’s a preview.

Nov. 14

Campus-wide Celebration
11:30 a.m. – 1:30 p.m.
University Center

Crossing Boundaries, Transforming Lives
Symposia Series:

Leveraging the Data Sciences
3 – 4:15 p.m.
University Center

New Paradigms of Teaching and Learning
4:30 – 5:45 p.m.
University Center

Nov. 15

Urgent Challenges in Energy and Environment
10:30 – 11:45 a.m.
University Center

Investiture Ceremony
3 – 4:30 p.m.
Carnegie Music Hall

More information online soon.

Flex MBA Gets Underway

New Program Mixes Online Learning With In-Person Weekends

■ Mark Burd

Thirty graduate students from across North America have embarked on a new avenue in business education. The Tepper School’s Flex MBA program begins this fall as one of the world’s first top-tier business curriculums to be offered in a flexible “hybrid” format — part online, part on-site.

“The appeal of FlexMBA is that now professionals in any geographic region can pursue a top-level MBA education without relocating, which may otherwise be prohibited by their current job or family situation,” said Kelly R. Wilson, executive director of admissions at the Tepper School. “It is a way for students in virtually any location to experience the same curriculum and faculty as they would in the school’s full- and part-time MBA programs. That is an attractive option for someone who lives and works in a geographic area that is not accessible

by traditional means.”

In stark contrast to current educational trends that are building increasingly larger (mass) online classes, the FlexMBA approach is designed to deliver the MBA program to focused sections of 20-30 students, who interact frequently with faculty, alumni, school resources, and each other online and in person. Although the experience will

be slightly different than attending all of one’s classes on campus, the curriculum, access to leadership coaching and other university resources, and the standards required for graduation remain the same.

“There are no asterisks associated with this diploma,” said Robert Monroe, director of the FlexMBA program and associate teaching professor of business

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GAME ON: Q&A with Jesse Schell

■ Kelly Solman

Jesse Schell is a video game designer, an acclaimed author, CEO of Schell Games and a distinguished professor of the Practice of Entertainment Technology at Carnegie Mellon's Entertainment Technology Center, a joint master's degree program between the College of Fine Arts and the School of Computer Science.

The Piper caught up with him at Schell Games on Pittsburgh's South Side to discuss the benefits of playing video games and where gaming is headed today.

Q: How do you respond to people who say kids spend too much time playing video games?

A: Well, you shouldn't eat too much candy either. Or carrots. And you shouldn't listen to too much rock 'n' roll. But that doesn't mean there aren't good things about them. As a parent, you should really be playing the video games with your kid. First of all, that's time you're spending together. And it opens the door to having that conversation about how much is too much.

Q: What can video games teach kids?

A: You have to do a lot of problem solving to win games. You have to try new things. You don't win by just sitting there. And games help kids understand about persistence and patience. You have

to keep trying. A lot of games involve working with others as a team in order to succeed, and there is real value in that as well.

Q: How did you get started in this field?

A: I've always been interested in anything that seems magical – games especially. I mean, you have nothing; you have like a sheet of cardboard and few little slips of paper, and the next thing you know people are having these heated, emotional arguments about invisible kingdoms, and it's like, how did this happen? Technology can also seem magical. So I was very fascinated when technology and gameplay started coming together, as it did in the 1980s when computers started coming into the home.

Q: Why do you think CMU is ranked No. 2 on Animation Career Review's list of Top 50 Schools in the U.S. for Game Design and Development?

A: It's very unusual that a school is equally strong in both art and computer science. And, in terms of the Entertainment Technology Center specifically, part of the reason I think we've got such a good reputation is



JESSE SCHELL IS ONE OF THE KINGS OF GAME DESIGN.

Q: How can games enact positive social change?

A: Well, there are a lot of ways. In terms of games that are working at the societal level, one of the most famous ones is

a while, people were saying “serious” games, which I think is a problematic phrase, because it implies that the games shouldn't be fun.

Q: What are you most excited about in gaming right now?

A: One of the big things we're doing at Schell Games is the Game Sprout project. Our idea is to invite people who are interested in trying to make games to bring their ideas forward. Lots of people have an idea, or they like to do art or coding, and they don't know how to get it going. We want to help people get their games done.

Q: Where is gaming headed?

A: We're starting to see deeper, immersive gaming. We've got head-mounted displays that are going to be in the home very soon. But at the same time we're starting to see more and more ways that people can do light, casual gaming on their phones.

There's a big explosion of gaming into the educational space right now because we're about to see the end of textbooks. They're going to be replaced by tablets because it's going to save so much money. Once you're doing that, everyone's kind of saying, well, why would you just stick a book on there? Why wouldn't we use the power of the medium? There are big opportunities there. And that's a lot of what Schell Games is focused on.

GAMES HELP KIDS UNDERSTAND ABOUT PERSISTENCE AND PATIENCE. YOU HAVE TO KEEP TRYING. A LOT OF GAMES INVOLVE WORKING WITH OTHERS AS A TEAM IN ORDER TO SUCCEED, AND THERE IS REAL VALUE IN THAT AS WELL.

that we've been very focused on what it takes to be a leader in entertainment technology. The key to it is being able to work with people outside of your discipline. We focus a great deal on how to work with people who are good at something that you're not good at, so that as a team you can make something that none of you could have done alone.

I started hiring students from the ETC when I was working at Disney Virtual Reality Studio. We never had students like that before, who could hit the ground running, join a team and be so useful so fast.

Q: What was your reaction to receiving the Game Changer award from Games for Change, which aims to leverage entertainment and engagement for social good?

A: It was certainly quite an honor. Traditionally they've given awards to certain games. This is the first time they've given the award to an individual. Games that make the world a better place are very important to me. I've been very vocal about that. And it's something I try to instill into the teaching that I do at Carnegie Mellon.

“FoldIt” in which Carnegie Mellon had some involvement. There is a difficult problem in the way proteins fold. If you can understand how proteins fold, it can help you design new drugs and solve all kinds of medical problems. They've used supercomputers to try to do it, and there are experts who have tried to figure it out.

Then someone said, what if we had an experience where thousands of people could fool around and experiment with it? Maybe somebody would solve some of these problems. So they made a video game. Here you go, try and fold some of these proteins. There have been problems that people have worked on for 10 years and been unable to solve that the community, in a number of weeks, came up with a solution.

Then there are games designed to change you as an individual. One we worked on here at Schell Games was a game called “Play Forward.” We teamed up with Yale Medical. It's a game designed to reduce the risk of HIV in young teenagers. There is a multi-year study going on with kids who've played this game to see whether it's made a difference in their lives. The phrase I like to use is “transformational” games. For



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Service Award Winner

Anne Witchner Levin's Labor of Love Lauded by Alumni Association

■ Stephanie Williams

For thousands of Carnegie Mellon alumni and students, Anne Witchner Levin (DC'73) is the tie that binds.

She remembers students and alumni by their first name, who they're dating and their favorite hobbies. She even remembers the time and place of their violin recital.

A loyal, dedicated and selfless staff member for more than 35 years, Levin's love for the university and her tireless efforts to enhance student life and connect students with alumni are being recognized this fall with an Alumni Association Service Award.

The award, which recognizes "service to the university or any of its alumni organizations with continued effort in expanding the influence and prestige of CMU," will be presented to Levin during the Alumni Awards ceremony beginning at 5 p.m., Friday, Sept. 27 in the College of Fine Arts' Kresge Theatre. The ceremony is part of CMU's Cèilidh Weekend, Sept. 26-29.

"It [Carnegie Mellon] is a special place with ordinary, down to earth students, faculty, staff and alumni who are capable of doing extraordinary things," Levin said. "It has been exciting for me, during all my years in Student Activities and now as director of Orientation and First-Year Programs, to work with the 'crème de la crème of the crop.' It has been rewarding to mentor, learn from, advise, inspire and be inspired by students who want to make a difference."

Levin, an assistant dean of Student Affairs, has played a prominent role at

CMU since joining the university in 1977. In addition to the orientation program for incoming first-year students, she's been among the chief organizers of several major university events, including Family Weekend, the Madrigal Dinner, Martin Luther King, Jr. Day and Spring Carnival.

"She has brought a richness and depth to our student activities, in particular the orientation and family weekend programs that are heavily influenced by her commitment and connections as an alumna," wrote Rebecca Allison (BHA'96, HNZ'01), who nominated Levin for the award. "She has dedicated her life's work to making her alma mater a world-class institution where students and families feel welcomed and connected."

"The National Association for Student Activities and the National Orientation Director's Association has specifically recognized Carnegie Mellon's outstanding orientation program under Anne's leadership," Allison added.

As part of the weeklong orientation program, which helps students transition to college life and Pittsburgh, Levin instituted the "Last Lecture" program. Copies of the book, "The Last Lecture" by the late Randy Pausch and Jeffrey Zaslow, are mailed to incoming first-year students during the summer and they engage in small-group discussions facilitated by faculty and staff during orientation.

Levin believes the book gives students insight into the CMU culture and life in general, and the discussion



ANNE WITCHNER LEVIN (DC'73) TAKES A BREAK DURING FRESHMAN MOVE-IN DAY TO POSE WITH HER 16-YEAR-OLD SON, DAVID LEVIN, WHO WAS LENDING MOM A HAND, AND HEAD ORIENTATION COUNSELOR CHRISTINE SIDOTI.

with fellow classmates, which is facilitated by a faculty or staff member, enables them to relieve some of the inhibitions they're feeling as new members to the university community.

"Every year before orientation, I hear from several new students and parents about how happy they are to receive the book," Levin said. "The messages of the book resonate with our students. The book is accessible and there is the CMU connection that is obvious."

Levin, who held the first Madrigal Dinner in the mid '80s, revived the event in 2007 after hearing from other alumni that there was interest in bringing it back.

Levin said her favorite part of the Madrigal Dinner "is seeing the event come to life – the decorations, the costumes, the entertainment, the food, the

music, the singing and the response of the audience who every year appear to enjoy and appreciate the program.

"It is worthwhile to guide and offer a core group of students an opportunity to help create, plan, promote and produce something that is unique and successful," she added.

Levin also is an avid supporter of Spring Carnival. For many years, she and her staff were the advisers to both the Carnival and Sweepstakes committees. She also was responsible for forming the Sweepstakes Alumni Committee to help provide guidance and advice.

"As an alumna, she recognizes the historical and cultural relevance of this event [Carnival] for our university and has been a champion of it even when

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CÈILIDH WEEKEND AT A GLANCE

Thursday, Sept. 26 – Sunday, Sept. 29

Noon – 6 p.m., Alien She Exhibition, Miller Gallery, Purnell Center for the Arts

(see story on page 12)

Thursday Sept. 26

9 a.m. – 5 p.m., 14th International Exhibition of Botanical Art & Illustration, Hunt Institute, Hunt Library

11 a.m. – 2 p.m., Cèilidh Weekend Kick-Off BBQ at The Fence

12:30 – 2 p.m. – Alumni, Faculty & Staff Reception (invitation only)

7:30 – 9 p.m. – Film Screening: "Sign Painters," Harris Theater, 809 Liberty Ave., downtown

Friday Sept. 27

10:30 – 11:30 a.m. – 112 Years of CMU History & Tradition — in 60 Minutes or Less! A presentation by Assistant Dean of Student Affairs Holly Hippensteel

For the complete schedule and more details, including event locations, go to www.cmu.edu/ceilidh/schedule.html

Noon – 1 p.m. – TOBOM (that's Mobot for Mobile Robots spelled backwards) Demonstrations, the Helix in the Gates and Hillman centers

1 – 2 p.m. – The Limits of American Intervention — Lessons from Afghanistan, a lecture by Karl W. Eikenberry, former ambassador to Afghanistan and former commander of the American-led coalition forces

2 – 3 p.m. – Alumni Distinguished Achievement Honoree Lecture by J. Renato Iturriaga (S'64, '67)

5 – 9 p.m. – Alumni Awards Ceremony and Reception, College of Fine Arts' Kresge Theater and Great Hall

8 – 10 p.m. – Scotch'n'Soda's 6th Annual Charity Cabaret

10 p.m. – Midnight – Scotch'n'Soda Cabaret Reception

Saturday Sept. 28

9:30 – 10:30 a.m. – Address by President Subra Suresh

10:45 a.m. – 12:15 p.m. – Panel Discussion: Crossing Boundaries, Transforming Lives: The Impact of Brain and Mind Research (see page 5)

Noon – 2:30 p.m. – Carnegie Clan's 10th Annual Chili Cook-Off and Cèilidh "Zero Waste" Tailgate Party

1 p.m. – Carnegie Mellon Football vs. Geneva College, Gesling Stadium

4:30 p.m. – CMU men's soccer vs. Grove City, Soccer Field

8 – 10 p.m. – Carnegie Mellon University Choirs Concert

Sunday Sept. 29

Noon – 2 p.m. – Civil and Environmental Engineering Alumni Awards Luncheon

2013 ALUMNI ASSOCIATION AWARD WINNERS

The awards will be presented beginning at 5 p.m., in the College of Fine Arts' Kresge Theater.

Distinguished Achievement
J. Renato Iturriaga (S'64, '67)
Alan Washburn (E'62, '63, S'65)

Distinguished Service
Richard Creech (E'84)

Achievement
Kathryn L. Beers (S'96, '00)
James M. Lally (HNZ'00)
Terry F. Yosie (DC'75, '81)

Service
Anne Witchner Levin (DC'73)
Brian T. Olsavsky (TPR'89)
Marullus A. Williams (E'95)

Recent Alumni
Rory O'Malley (A'03)

Student Service
Lenny An (E'11, '12)
Shivani Anand Arora (CMU'13)
Sangita Sharma (E'13)

Making a Difference: Students Advance Technology for the Blind

■ Kelly Solman

While many Carnegie Mellon students were making their mark at Fortune 500 companies and startups, eight students and recent graduates spent their summer improving the lives of visually impaired children in India.

Specifically, they enhanced three technologies created by previous CMU researchers, including two forms of Braille Writing Tutors, and software that enables blind students to experience graphics by printing them out as braille patterns.

“It’s exciting to see how the device helps. When you see the students so excited by the games we created, when they are laughing and happy, it makes it all worthwhile,” said Shree Lakshmi Rao (A’13), one of the students selected for the innovative Student Technology ExPerience (iSTEP) internship that enabled her and the others to travel to India and put the skills they learned at CMU to use.

She was joined by Madeleine Clute (CS’14), Maddie Gioffre (E’15), Poornima Kaniarasu (CS’13), Aditya Kodkany (E’15), Vivek Nair (E’15), and Avia Weinstein (MCS’14) from CMU’s Pittsburgh campus, and Aved Sheikh (TPR’14) from CMU’s Qatar campus.

The team worked with the Mathru Educational Trust for the Blind located in Bangalore. The trust includes the Mathru School for the Blind, which is a non-profit and voluntary institution founded in 2001 to educate and rehabilitate visually impaired children and adults. In 2011, the trust launched a new center that caters to the education of children who are deaf and/or have multiple disabilities.



THE iSTEP INTERNS: BACK, L-R: VIVEK NAIR, POORNIMA KANIARASU, AVEED SHEIKH AND AVIA WEINSTEIN; FRONT, L-R: ADITYA KODKANY, MADELEINE CLUTE, MADELYN "MADDIE" GIOFFRE AND SHREE LAKSHMI "SL" RAO

“It’s a wonderful experience working alongside a multi-talented, international team and collectively trying to make a difference,” Sheikh said.

The iSTEP internship is a global effort of CMU’s TechBridgeWorld, a program devoted to improving life in developing countries by developing and implementing innovative technologies.

The goal of the Braille Writing Tutor is to provide an affordable and accessible means for children and adults in underserved communities around the world to learn how to write braille using the locally available slate and stylus method.

The original version of the device, which is connected to a computer, provides immediate audio feedback as the user writes on the electronic slate with the stylus. The tutor also teaches the basics, guides writing, corrects mistakes, provides opportunities for practice and

motivates students through educational games.

“We have to keep in mind the restrictions that the Mathru Trust faces, and implement the features of the tutor accordingly. For example, to work around any problems with Internet connectivity, we had to make sure that a library of images could be built,” Kodkany explained. “And the user interface had to be easy and accessible enough for both blind teachers and those who did not have too much experience with computers in general.”

This summer’s iSTEP team also researched the feasibility of connecting the tutor to an Android smartphone instead of a computer for added portability. They also significantly enhanced the newest standalone version of this tutor, which is based on the original tutor, has onboard computing and is battery powered, which makes the device even more

portable while maintaining affordability.

A new course offered this past spring by M. Bernadine Dias and David Kosbie called “Software Development for Social Good” produced new code written by CMU students that the iSTEP team incorporated into their projects. Dias is TechBridgeWorld’s founder and director and an associate research professor in the Robotics Institute. Kosbie is an assistant teaching professor in the Computer Science Department and a volunteer at TechBridgeWorld.

In addition to software development, the iSTEP team maximized their time with the Mathru school by conducting extensive interviews and user tests, and analyzing data in order to fully understand the impact of, and potential improvements to, the tutors. The CMU interns also trained the Mathru teachers to effectively use computers and other technology available to them at the school.

Study Nets New Signage, Adjusted Street Parking Rates



PARKING ALONG TECH AND FREW STREETS HAVE BEEN IDENTIFIED AS “PREMIUM” PARKING WITH AN HOURLY RATE OF \$2.25. SPOTS ALONG MARGARET MORRISON STREET AND PART OF SCHENLEY DRIVE HAVE BEEN SET AS “ECONOMY” PARKING AREAS WITH A RATE OF 50 CENTS PER HOUR.

■ Mark Burd

Street signage differentiating “premium” and “economy” parking has been added to several streets adjacent to the Carnegie Mellon campus as a result of a parking study being conducted by two faculty members at CMU’s Tepper School of Business in cooperation with the City of Pittsburgh.

The signage coincides with the most recent adjustment in parking rates, identifying Tech and Frew streets as “premium” parking at an hourly rate of \$2.25, and classifying Margaret Morrison Street and part of Schenley Drive as “economy” parking at a rate of 50 cents per hour.

The parking study is being directed by Stephen Spear, professor of economics, and Mark Fichman, associate professor of organizational behavior and theory. The research, which got underway this past January, involves periodic adjustments of hourly parking rates on four streets, based on usage, and is expected to continue through the end of 2013.

“The objective of our study is to use fundamental economic principles to find the optimum parking rates for each of these areas, balancing regular commuter usage with overall parking revenue,” Spear said. “Street parking is a commodity and the marketplace will define the relationship between cost and demand.”

“If rates are too low, parking availability will be scarce, with low turnover throughout the business day,” he added. “This creates a competition among commuters for parking spaces early in the day and presents real challenges throughout the day for individuals who need to park for an hour or two in order to attend a class, meeting or even make a delivery. On the other hand, rates that are too high will cause all drivers to avoid using these parking areas, which underutilizes a resource and ultimately lowers revenue. In the past, we have seen both of these extremes involving these particular streets,” Spear said.

The study seeks to let the market-

place identify hourly rates at which parking spaces are more than three-quarters full during regular business periods. This establishes a reasonable level for usage and revenue while allowing for some parking availability throughout the business day.

“The city’s new pay-by-license plate multi-space meters have made the process of periodically adjusting parking rates feasible,” Fichman said. “And this technology presents future opportunities in fine-tuning parking rates. We have now documented the ebb and flow of daily, weekly and seasonal fluctuations in parking, along with the impact that hourly rates have on usage. [With classes in session], we are entering into a new data period for our research, which will impact the next rate adjustments.”

“We appreciate the cooperation of the city on this project. We are confident the outcomes will be beneficial for all of the stakeholders involved with parking around CMU,” Fichman said.

“But it’s not just because of these reasons that you are here,” Suresh noted. “To prove that point, let me give you another statistic; 125 applicants who had a perfect SAT score in math and a perfect SAT score in reading were not admitted to Carnegie Mellon. So let’s keep in mind, it’s not just about grades.”

CMU once admitted students based on academics alone, but today, in addition to a strong academic standing, the university seeks well-rounded students with broad, non-academic interests and achievements. Students with diverse interests are more likely to become leaders, individuals the university aspires to produce.

Suresh went on to give the freshmen a sneak preview of what they can expect at Carnegie Mellon.

“Nobody can completely capture the culture of CMU in a few words. But there are a few words that resonate with the culture of Carnegie Mellon: focus, crossing interdisciplinary boundaries,

creativity, entrepreneurship and hard work.”

Suresh said they could expect CMU to nurture and broaden their focus by giving them enormous opportunities to work across disciplines and create something far bigger than the sum of its parts.

He added that entrepreneurship and hard work are deeply ingrained in the fabric of CMU, and he encouraged them to meet and interact with faculty and other students across campus so that they can fully appreciate that firsthand.

Suresh said CMU’s interdisciplinary, creative, entrepreneurial and hard-working culture puts the university at a distinct advantage to make an impact in the world.

“If you look at all the grand challenges that face the world today, they are not only technology challenges, but also human challenges. CMU is uniquely positioned to bridge that gulf between technology on the one hand and humanity on the other, to solve these problems.

THE LISTENING TOUR

President Suresh is engaging in a “listening tour” of the university and will be meeting and learning from students, faculty, staff and alumni in Pittsburgh and many locations across the U.S. and around the world.



IF YOU’D LIKE TO PARTICIPATE SUBMIT YOUR THOUGHTS AND IDEAS ABOUT THE FUTURE OF THE UNIVERSITY AT WWW.CMU.EDU/LEADERSHIP/PRESIDENT-SURESH/LISTEN/INDEX.HTML.

There is no other institution that has the rich history and accomplished record to do this.”

President Suresh closed with a prediction for the parents, based on the university’s track record of successful

alumni, including Nobel Prize winners and Academy and Tony award recipients.

“There is good probability that your son or daughter will someday be added to these lists. Whatever they do, we know that they will be successful,” he said.

Experts To Discuss Impact of Brain and Mind Research

In President Suresh’s inaugural year, the university will be holding a symposia series focused on the theme “Crossing Boundaries, Transforming Lives: The New Global University.”

The first discussion, 10:45 a.m. – 12:15 p.m., Saturday, Sept. 28 in McConomy Auditorium, will be on the impact of brain and mind research. Understanding the brain is a grand challenge of science, and in April 2013, President Obama announced the federal BRAIN Initiative, with a goal to create dramatic improvements in our understanding of brain function and dysfunction. Modeled loosely on the Human Genome Project, this initiative will require the development of new technologies, models and computational approaches.

With so much at stake, what role can CMU and Pittsburgh play in this initiative? A panel of experts will discuss the opportunities and challenges posed by the BRAIN Initiative, including the potential of this work to bring about revolutionary changes in our understanding of the brain; our ability to understand, diagnose and treat brain disorders; and the development of devices that mimic brain functions.

Read more online soon.



PHOTO BY TIM KAULEN

PRESIDENT SURESH AND HIS WIFE, MARY, GREETED STUDENTS AND THEIR PARENTS AFTER HIS WELCOME ADDRESS.

Math Mavens

Three Olympic Medalists Among Freshman Class

■ Jocelyn Duffy

The class of 2017 is full of high-achieving students — valedictorians, humanitarians, scholarship winners, and even some Olympic medalists.

Samuel Zbarsky won a silver medal as a member of the U.S. team competing in this summer’s International Physics Olympiad in Copenhagen. In July, Ray Li and Thomas Swayze traveled to Santa Maria, Columbia, as part of the United States team that participated in the International Mathematical Olympiad. The team, coached by Assistant Professor of Mathematical Sciences Po-Shen Loh, placed third out of 97 countries and both students came home with silver medals for their individual performances.

“It’s been my number one academic achievement so far,” Swayze said.

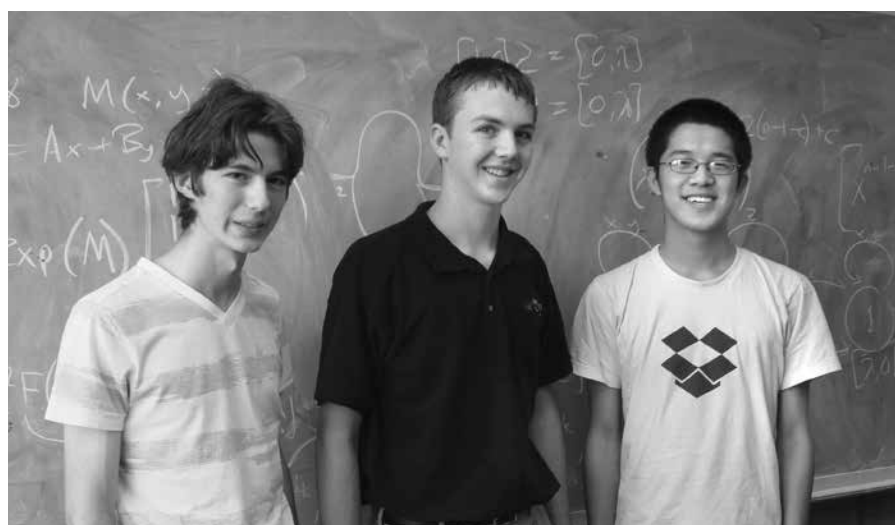
In preparing for their respective Olympiads, the students practiced problems that were exponentially harder

than any math or physics problem they experienced in high school classes.

This prepared them well for the type of material they expect to learn in college and, as with any Olympic-caliber students, the three first-years were highly sought after by top universities across the country.

“Having these students here means that the university is strong enough to support the best talent in the world. I come to work each day with a large smile because our students are exciting students to teach,” Loh said.

Li, Swayze and Zbarsky all said they chose Carnegie Mellon because of the Knaster-McWilliams Scholars program in the Mellon College of Science (MCS), which provides them with enhanced learning and research opportunities, and the potential to learn from highly regarded Carnegie Mellon faculty. The students, who are all Knaster-



SAMUEL ZBARSKY, THOMAS SWAYZE, AND RAY LI (L-R) SAID THEY CHOSE TO ATTEND CMU BECAUSE OF THE KNASTER-MCWILLIAMS SCHOLARS PROGRAM.

McWilliams Scholars and prospective mathematical science majors in MCS, also are excited about other things campus has to offer.

“Carnegie Mellon is a very diverse

community, and there are a lot of people in many different disciplines. It will be exciting to be around people in my own major, but also in areas like art and drama,” Li said.

PHOTO BY JOCELYN DUFFY

Congratulations to the Andy Award Nominees!

More than 50 individuals and teams have been nominated for this year's Andy Awards, the university-wide program that honors staff for their outstanding performance, commitment and positive impact on the university.

Awards will be given in six categories: Dedication, Commitment to Students,

Innovation, Culture, University Citizenship and Community Contributions. This year's ceremony will be held at noon, Thursday, Oct. 10 in McConomy Auditorium. A reception in Rangos Ballroom follows the ceremony.

And the nominees are:

Innovation



THE AGILE ACQUISITION RESEARCH TEAM (FROM LEFT TO RIGHT; 1ST ROW): KURT HESS, WILL HAYES. (2ND ROW): CAROL WOODY, GERALD MILLER, MARY ANN LAPHAM. NOT PICTURED: STEPHANY BELLOMO, TIMOTHY CHICK, JON GROSS, SUZANNE MILLER, KEN NIDIFFER, STEVE PALMQUIST, AND EILEEN WRUBEL (MCS'97).



TED CURRAN (TPR'04)
TEPPER SCHOOL OF
BUSINESS



ROBERT FERGUSON
SOFTWARE ENGINEERING
INSTITUTE

Innovation not pictured

THE TEPPER SCHOOL OF BUSINESS MARKETING AND COMMUNICATIONS TEAM: STEPHANIE ARMBRUSTER (A'06), MARK BURD, KAREN BOUCHER, BARBARA DONEHUE, DEB LANTZ (DC'06), SUSAN LIMONCELLI, JOEY MANCUSO, AND MARTHA SPROUL



THE CIT RESEARCH ADMINISTRATION TEAM (FROM LEFT TO RIGHT): JASMINE SUN, CATHY SCHAEFER, MEIGHAN HARDING, KERI BAKER, AND DONNA MARANO. NOT PICTURED: DANIEL GIAMMATTEO (HNZ'06).



THE INI'S PITTSBURGH-SILICON VALLEY MASTER OF INFORMATION TECHNOLOGY PROGRAMS TEAM (FROM LEFT TO RIGHT; 1ST ROW): KARI GAZDICH (HNZ'03), JESSICA BECKER, MARILU S. LUNDEEN (DC'13), LINDA WHIPKEY. (2ND ROW): LISA CURRIN, CHRISTA JONES, MIRA ANGELOVA (HNZ'02, TPR'06), JENNIFER BURKETT FEYRER, NANCY DOYLE, JAMIE LEHNEKE (HNZ'09), PAT MANSKI, ANN RITCHIE (DC'05). NOT PICTURED: MAYRASOL ALVAREZ, SYLVIA ARIFIN (TPR'03), WENDY FONG, JESSIE HAO, KURT HAVERSTOCK, NGOC HO, SYLVIA LEONG, ALBERT LIU, STACY MARSHALL, ROBERT NEILL, GERRY PANELO ELIZONDO, HECTOR RASTRULLO, MIKELYNN ROMERO, RUBEN ROMERO, JAZZ SABIAN, GABRIEL SOMLO, NICHOLAS TSAMITIS, TERRI WEINBERG, AND MARY CHRISTINE ZEISE.

RIGHT: THE MEDIA TECHNOLOGY SERVICES TEAM (FROM LEFT TO RIGHT; 1ST ROW): WAYNE K. GORDON, WILL JOHNSON, POMONA VALERO, CLAUDIA SHADE, AND JOSEPH GRECO (CIT'09, CIT'13).

(2ND ROW): BRIAN RICHARDS (HNZ'12), KENNY BLAIR (HNZ'13), DAVID DYKE, BRIAN PARKER, CHUCK DEAN, DOMINIC BARTOLOMUCCI, RICHARD NOULLET, AND DAN NOULLET.

NOT PICTURED: DAVID BRIGGS, ANTHONY FARAH, BRIAN FITZGERALD, AND TIFFANY HABAY.



Dedication



CHARLOTTE AMBRASS
ELECTRICAL AND
COMPUTER ENGINEERING



SUSAN ANDREKO
MOLECULAR BIOSENSOR
AND IMAGING CENTER



ANITA CARLETON
(MCS'83)
SOFTWARE ENGINEERING
INSTITUTE



CASSANDRA CARRICATO
SOFTWARE ENGINEERING
INSTITUTE



MARGARET COX
(A'97, '11)
MILLER GALLERY



MARGARET GASDICK
INSTITUTE FOR
SOFTWARE RESEARCH



ERIN HARPER
SOFTWARE ENGINEERING
INSTITUTE



QUEENIE KRAVITZ
(HNZ'13), HUMAN
COMPUTER INTERACTION
INSTITUTE



VIDYA KRISHNASWAMY
(HNZ'09)
COMPUTING SERVICES



LOUISE KROWITZ
ENROLLMENT SERVICES



LIZ MILAVEC
FINANCE DIVISION



ANDREW MOORE
SOFTWARE ENGINEERING
INSTITUTE



WILLIAM NICHOLS
(MCS'82, '84, '91)
SOFTWARE ENGINEERING
INSTITUTE



PATTI PAVLUS
COLLEGE OF FINE ARTS



MICHELLE PIERSON
EBERLY CENTER



THOMAS POPE
INSTITUTE FOR SOFTWARE
RESEARCH



SHERRY STOKES
(DC'07), COLLEGE
OF ENGINEERING



ALLEN STOLTZFUS
SCHOOL OF COMPUTER
SCIENCE



JENNIFER WEIDENHOF
UNDERGRADUATE
RESEARCH OFFICE



THE DEFENSE INDUSTRIAL BASE TEAM (FROM LEFT TO RIGHT): VANESSA JACKSON,
CHARLES YARBROUGH, TENAI CUTTING, MICHAEL MURRAY, AND DONALD RANTA



ANNE WITCHNER LEVIN
(DC'73), OFFICE OF
ORIENTATION AND FIRST
YEAR PROGRAMS



RIGHT: THE ECE SPONSORED
RESEARCH ADMINISTRATION
TEAM (FROM LEFT TO RIGHT):
MEIGHAN HARDING AND
CHARLOTTE AMBRASS

Dedication not pictured

RAY OBenza, SOFTWARE ENGINEERING INSTITUTE

THE INDEPENDENT TECHNICAL ASSESSMENT TEAM:
LORRAINE ADAMS (HNZ'03), MICHAEL BANDOR,
RICK BARBOUR, JULIE COHEN (CIT'79), MARGIE
(ANNIE) DRAZBA, HAROLD ENNULAT, ROBERT
FERGUSON, DON FIRESMITH, BUD HAMMONS,
JAY MARCHETTI, THOMAS MERENDINO, JAMES OVER,
MIKE PHILLIPS, JOHN ROBERT (CS'03), FRED
SCHENKER, AND JEFF THIERET

Community Contributions



EFTIHIA BARRON
ELECTRICAL AND
COMPUTER ENGINEERING



JEFFREY HARRIS
ENVIRONMENTAL HEALTH
& SAFETY

CONTINUED ON PAGE EIGHT

Commitment to Students CONTINUED FROM PAGE SEVEN



RACHEL BURCIN
(HNZ'07)
ROBOTICS INSTITUTE



ANDREA FRANCIONI
ROONEY (DC'94)
CIVIL AND ENVIRONMENTAL
ENGINEERING



SUMITRA GOPAL
ROBOTICS INSTITUTE



CONNIE HEROLD
INSTITUTE FOR
SOFTWARE RESEARCH



HOWARD LIPSON
SOFTWARE ENGINEERING
INSTITUTE



HELEN WANG (DC'99)
STUDENT LIFE



FAR LEFT: THE COMPUTATIONAL
BIOLOGY TEAM (FROM LEFT TO RIGHT):
THOM GULISH (DC'13) AND NICHOLE
MERRITT



LEFT: THE STUDENT INFORMATION
EXCHANGE TEAM (FROM LEFT TO RIGHT):
DOT FOOTE, PATTY RIETHER, AND
LISA ZIRNGIBL

Culture



THE CAMPUS DESIGN AND FACILITY DEVELOPMENT TEAM (FROM LEFT TO RIGHT; 1ST ROW): ELLEN ROMAGNI, SUSAN PATTERSON, RALPH HORGAN, KAREN SPELLS, ANDREW REILLY. (2ND ROW): MAXIM DOROSA, WEN LI (A'12), ADAM HOMER, GEORGIA SAGER, ED HYDZIK, KEVIN D. FORD, JANICE HELD (HNZ'11), HAROLD MAJOR, BOB REPPE



THE CMU STUDENT
EXPERIENCE STUDY
TEAM (FROM LEFT
TO RIGHT; 1ST
ROW): HOLLY HIPPENSTEEL,
JANEL SUTKUS. (2ND
ROW): HYUNNY RO,
ANDY MERRILL, GINA
CASALEGNO, SUZIE
LAURICH-McINTYRE.
NOT PICTURED: AMY
BURKERT (MCS'90),
FACULTY TEAM
MEMBER

University Citizenship



ROMAYNE BOTTI
COLLEGE OF ENGINEERING



JONATHAN CHU (CS'04)
SOFTWARE ENGINEERING
INSTITUTE



ANN MATHIAS, OFFICE
FOR RESEARCH INTEG-
RITY AND COMPLIANCE



THE CONTENT MANAGEMENT SYSTEM TEAM (FROM LEFT TO RIGHT): DOUG BLAIR (DC'85), HEATHER MANFREDI, TERRY BATES, MATT SIKO, DOM TRAVISANO
NOT PICTURED: KAREN BERNTSEN



SAMUEL BOYER
COLLEGE OF ENGINEERING



MICHAEL NEE
HUMAN RESOURCES



MICHELE TOMASIC
SOFTWARE ENGINEERING
INSTITUTE



DAVID J. RANDOLPH
DRAMA



DAVID REINOEHL (DC'98)
SOFTWARE ENGINEERING
INSTITUTE

SUMMER SNIPPETS

Bob Iannucci To Head Silicon Valley Campus

Distinguished Service Professor Bob Iannucci has been named associate dean and director of Carnegie Mellon's Silicon Valley campus. He succeeds Martin L. Griss, who has stepped down after serving as director since 2009.

"I am honored to be named head of CMU's innovative and entrepreneurial campus that sits in the middle of Silicon Valley, the worldwide hub of technology innovation," said Iannucci, director of the CyLab Mobility Research Center. "CMU's international reputation for research and academic excellence, coupled with the entrepreneurial opportunities here in Silicon Valley, make this campus a truly unique place."

College of Engineering Dean James H. Garrett, Jr. said Iannucci's stellar research reputation and his experience as an interdisciplinary educator and researcher at CMU-Silicon Valley make him ideally suited for the position.

Alumni House Renovation Underway

The Alumni House is being renovated to improve the building's overall conditions and efficiencies and to re-establish it as a welcome center for visiting alumni, alumni volunteer meetings, and as available, other university gatherings. The work will include exterior and interior renewals, including a reconfiguration of the existing floor plan to better accommodate alumni activities. Once completed, Alumni House also will be home to the offices of Alumni Relations and Annual Giving.

The project, expected to be completed by late fall 2013, is being managed by Turner Construction and the architectural design firm Perfidio Weiskopf Wagstaff & Goettle (PWWG). PWWG's team includes two Carnegie Mellon alumni from the School of Architecture, Sheldon Goettle (A'79) and David Kennedy (A'09).

CMU Board Elects New Trustees

Carnegie Mellon's Board of Trustees has elected six new members to three-year terms. They are:

- **Kushagra Bajaj** (TPR 1997), vice chairman, Bajaj Group, Mumbai, India;
- **Ronald Bianchini** (E 1986, 1989), co-founder, president and CEO, Avere Systems, Pittsburgh;
- **Eric Giler** (TPR 1977), chief executive officer, WiTricity Corporation, Watertown, Mass.;
- **Edward Grefenstette** (TPR 1998), chief investment officer, Dietrich Charitable Trusts, Pittsburgh;
- **Jeffrey Housebold** (CMU 1991), president and CEO, Shutterfly, Redwood City, Calif.; and
- **Manu Narayan** (A 1996), actor, singer and musician, New York City, N.Y.

Bianchini is returning to the board after being initially elected in 2006. Grefenstette is a former treasurer and chief investment officer at CMU.

Download the CMU Mobile Alert App

Environmental Health & Safety has released a free iPhone mobile app for the university community that provides information on what to do in the first few minutes of 21 emergency situations — from having an active shooter on campus and fires to bomb threats and cardiac arrest.

The mobile app, available at the iTunes Store, also provides links to important websites, locations of AEDs and automatic dialing for University Police, Safety Escorts and 911. The app for Android smartphones is under development.

Please note that the CMU Mobile Alert App is not the same as the CMU Alert emergency notification system, which sends voicemail and text messages to registered subscribers if there is an event/incident that threatens public safety.

Download the app and register for CMU Alert at www.cmu.edu/alert

A Superheroes Welcome



SENIORS AT CARNEGIE MELLON IN QATAR ENLISTED THE HELP OF COMIC BOOK SUPERHEROES TO WELCOME MORE THAN 100 FIRST-YEAR STUDENTS REPRESENTING APPROXIMATELY 25 COUNTRIES DURING ORIENTATION. THIS YEAR'S ORIENTATION THEME WAS "LEAGUE OF TARTANS" WITH CLASSROOMS ACROSS CMU-Q DECORATED AND NAMED AFTER COMIC BOOK SUPERHEROES.

New Shuttle Tracker Up and Running

The Graduate Student Assembly, Student Senate and the Office of Campus Affairs have collaborated with the University Police Department to implement a new campus shuttle tracking service for riders.

The service, provided by Ride Systems, enables users to track campus shuttle and escort locations at www.andysbuses.com. The website offers a map to view the shuttles and escorts moving in real time, bus arrival time estimates for each stop and updates from the University Police Department. Riders can track shuttles on all available routes — A, B, AB, Bakery Square (long), Bakery Square (short) and PTC.

In addition to the website, riders are able to access this information from the Ride Systems iPhone or Android app. For riders without a smartphone, "andysbuses" can be texted to the number 41411 for bus arrival time estimates.

Remembering the Good Old Days

When looking back on the movies, television shows, road trips and life more generally, we often perceive our past experiences as better than the same kinds of experiences we have today. Carey Morewedge, associate professor of marketing at the Tepper School, says these "nostalgic preferences" are tricks our minds play on us.

New research by Morewedge finds that the workings of memory seem to filter our view of the past with rose-colored glasses, biasing what we remember in ways that profoundly impact how we evaluate the past in comparison to the present.

"Memory seems to operate much like a record store, stocking the hits of the past, and both the hits and the duds of the present. Rather than recognize this bias, however, we mistakenly believe that what we remember is representative of the entire category of experiences, giving rise to nostalgic preferences," explained Morewedge, who analyzed how people rate television shows and movies of the past and present in his research titled "It Was a Most Unusual Time: How Memory Bias Engenders Nostalgic Preferences."

Wind Farms, Solar Plants Best in the East

You may think the best place to build a wind farm would be on the Great Plains, and the prime spot for a solar plant would be in the Southwest. But that's not the case according to CMU researchers.

The main reason to build wind and solar plants is to reduce air pollution and carbon dioxide emissions, so building in Ohio, West Virginia and western Pennsylvania, where alternative energy sources replace electricity generated by coal plants, is a better bet.

That's the conclusion of a paper, titled "Regional Variations in the Health, Environment and Climate Benefits of Wind and Solar Generation," authored by four CMU experts from the Center for Climate and Energy Decision Making — Kyle Siler-Evans, Ines Lima Azevedo, M. Granger Morgan and Jay Apt. Their paper was published in the prestigious Proceedings of the National Academy of Science.

CMU's CHIMP To Compete in DARPA Challenge

The Defense Advanced Research Projects Agency (DARPA) has selected a team from Carnegie Mellon's National Robotics Engineering Center (NREC) to compete this December in trials for the DARPA Robotics Challenge, a competition aimed at spurring the development of robots that can assist humans in mitigating and recovering from natural and man-made disasters.

The NREC team is now assembling its four-limbed robot, called the CMU Highly Intelligent Mobile Platform, or CHIMP. The human-size robot is designed to perform tasks, such as climbing ladders, driving vehicles and closing valves, that must be accomplished during the competition.

"Designing and building a robot as sophisticated as CHIMP in a matter of months is an enormous undertaking, but we're accustomed to meeting that kind of challenge at Carnegie Mellon," said Tony Stentz, NREC director and leader of the Tartan Rescue Team. "DARPA's decision is a big vote of confidence and our team is excited. We can't wait to get on with it."

Hats Off in Silicon Valley



SEVENTY-ONE STUDENTS RECEIVED THEIR GRADUATE DEGREES — 37 IN SOFTWARE ENGINEERING AND 34 IN SOFTWARE MANAGEMENT — DURING CEREMONIES AT THE SILICON VALLEY CAMPUS AUG. 10. MORE THAN 700 HAVE EARNED DEGREES AT SILICON VALLEY SINCE THE CAMPUS WAS ESTABLISHED IN 2002. THERE ARE 137 STUDENTS IN THIS YEAR'S INCOMING CLASS, THE LARGEST ENTERING CLASS IN THE HISTORY OF THE CAMPUS.

School of Drama Celebrates 100 Years

■ Pam Wigley

At 100-years-old, Carnegie Mellon's School of Drama never looked so good.

As it enters into its centennial, the school is enjoying worldwide acclaim. The Hollywood Reporter ranked it fourth in the world among drama schools for the second consecutive year. CMU alumni stole the spotlight by winning eight Tony Awards across six categories this summer, and 11 alumni and a new faculty member, Suttirat Anne Larlarb, have been nominated for 2013 Emmy Awards.

And the school is offering up an All-American season of performances to celebrate.

The Subscriber Series opens in October with Arthur Miller's classic play "The Crucible" (Oct. 3-12), directed by faculty member Tony McKay (A'69). Faculty member and alumna Barbara Mackenzie-Wood (A'67, '90) will direct "You Can't Take It With You" (Nov. 14-23) by Moss Hart and George Kaufman, which will be followed by Andrew Lippa's musical "The Wild Party," (Feb. 20-March 1, 2014) directed by alumnus Matthew Gardiner (A'06), who is associate artistic director of Signature Theater in Virginia.

Closing the season will be David Ives' "Lives of the Saints," (April 17-26, 2014) directed by Gregory Lehane, professor of drama and music in The John Wells Directing Program. All

performances will take place in the Philip Chosky Theater, Purnell Center for the Arts.

"All four plays are pillars of the American dramatic repertoire and represent a raft of theatrical offerings," said Peter Cooke, head of the School of Drama. "We're thrilled to welcome back Matthew Gardiner as our special guest to direct our 100th Anniversary production."

The new season also includes a production of "The Glass Menagerie" by Tennessee Williams and "The Nina Variations" by Steven Deitz, in addition to the seven-play Directors Series and a New Works Series of six plays, which will be directed by students in The John Wells Directing Program, named for legendary Hollywood producer and School of Drama alumnus John Wells (A'79).

In addition to this season's shows, the School of Drama is planning several celebratory evenings beginning in February 2014 in Pittsburgh, New York City and Los Angeles to pay tribute to the many alumni contributions in film, television, theater and other performing arts. Several distinguished alumni are scheduled to participate.

"Celebrating 100 years of Carnegie Mellon University's School of Drama in 2013-2014 is an extraordinary achievement. To all former staff, faculty

and students, the current cohort, our fabulous alumni and clans, and all those coming to study or work on campus in the next 100 years, I salute, thank, welcome and congratulate you," Cooke said. "The level of accomplishment across all disciplines offered by the school in its storied history could not be higher, nor more widely felt and acknowledged across the world arts community, and for that, we in the school thank each and every participant in its 100-year journey."

For this year's School of Drama performance package options or to place a subscription order, call the box office at 412-268-2407 between noon and 5 p.m., Monday through Friday. Special discounts are available to all Carnegie Mellon alumni.

All Subscriber Series performances are at 8 p.m., Tuesday through

2013-2014 SUBSCRIBER SERIES

Oct. 3-12: "The Crucible"

Nov. 14-23: "You Can't Take It With You"

Feb. 20-March 1: "The Wild Party"

April 17-26: "Lives of the Saints"

For tickets, call the box office at 412-268-2407.

Friday, and 2 and 8 p.m. on Saturdays. For more information about the School of Drama, visit www.drama.cmu.edu.

TALKBACKS

Students in the Dramaturgy Program will host talkbacks with the audience, casts and crews following Tuesday evening performances, explaining the play's background and commenting on the research and development of the story line. The dramaturgs also are available to discuss the plays with classes, student groups and public organizations. Contact Wendy Arons, dramaturgy option coordinator, at warons@andrew.cmu.edu to schedule a session.

Emmy Nominees Exude Excellence

Eleven Carnegie Mellon alumni and a new associate professor have been nominated for a 2013 Emmy Award, recognizing excellence in television. The nominees cover several categories, including acting, writing, producing, art direction, costumes and lighting, reflecting the breadth and depth of education students receive in the School of Drama.

And the nominees are:

- **Outstanding Supporting Actor in a Miniseries or Movie**
James Cromwell (A'64), "American Horror Story: Asylum"; Zachary Quinto (A'99), "American Horror Story: Asylum"
- **Outstanding Art Direction for a Multi-Camera Series**
John Shaffner (A'76), nominated twice in this category for "The Big Bang Theory" and "Two And A Half Men"; Ann Shea (A'80), also nominated twice in this category for "The Big Bang Theory" and "Two And A Half Men"
- **Outstanding Art Direction for Variety or Nonfiction Programming**
Eugene Lee (A'62), "Saturday Night Live"
- **Outstanding Costumes for a Series**
Eduardo Castro (M'77), "Once Upon A Time"

- **Outstanding Lighting Design/ Lighting Direction for a Variety Special**
Robert A. Dickinson (Hon 2005), nominated twice in this category for "The 55th Annual Grammy Awards" and "The Oscars"
- **Outstanding Writing for a Comedy Series**
Jeffrey Klarik (A'69), "Episodes"
- **Outstanding Art Direction for a Miniseries or Movie**
Mark Worthington (A'91), nominated twice in this category, "American Horror Story: Asylum"; Edward Rubin (A'82), "American Horror Story: Asylum."

"Southland" received a nomination for Outstanding Stunt Coordination for a Drama Series, Miniseries or Movie, and "Shameless" received a nomination for Outstanding Guest Actress in a Drama Series. Both shows are produced by alumnus John Wells' (A'79) company, John Wells Productions.

Incoming School of Drama Associate Professor of Costume Design Suttirat Anne Larlarb was nominated as part of the team that produced the London 2012 Olympic Games Opening Ceremony. Larlarb was production designer and responsible for designing many of the hundreds of costumes worn during the ceremony, as well as many of the sets.

Find out who wins during the live broadcast at 8 p.m., Sunday, Sept. 22 on CBS.

Alumni Win Eight Tonys

Earlier this year CMU alumni won eight Tony Awards in six categories for their excellence on Broadway. In case you missed it, CMU winners were:

- **Best Lighting Design of a Play**
Jules Fisher (A'60, H'13) and Peggy Eisenhauer (A'83), "Lucky Guy"
- **Best Performance by an Actress in a Featured Role in a Play**
Judith Light (A'70) for her role in "The Assembled Parties." (In 2012, she won the same award for "Other Desert Cities")

- **Best Performance by an Actress in a Leading Role in a Musical**
Patina Miller (A'06), "Pippin," penned by Stephen Schwartz (A'68) while he was a student at Carnegie Mellon
- **Best Play**
Martin Platt (A'71) and Jamie deRoy (A'67), who produced "Vanya and Sonia and Masha and Spike"
- **Best Performance in a Leading Role in a Musical**
Billy Porter (A'91), "Kinky Boots"
- **Best Costume Design of a Play**
Ann Roth (A'53, H'00), "The Nance."

Peter Hylenski (A'97) also was nominated for Best Sound Design of a Musical for "Motown The Musical."

At the 67th annual Tony Awards ceremony last June, several alumni were presenters and performers, including "Newsies" lead Corey Cott (A'12), Zachary Quinto (A'99), Andrew Gehling (A'05) and Megan Hilty (A'04), who recently wrapped up the second season of NBC's "SMASH" and joined a new comedy on NBC — "Sean Saves the World," premiering Oct. 3.

Schebetta On Set



SCHOOL OF DRAMA COMMUNICATIONS COORDINATOR DENNIS SCHEBETTA WAS BUSY THIS SUMMER DIRECTING HIS MOVIE "MY DATE WITH ADAM," WHICH WON THE 2013 STEELTOWN FILM FACTORY COMPETITION THIS PAST SPRING. THE MOVIE IS A ROMANTIC COMEDY ABOUT A WOMAN LOOKING FOR THE PERFECT MAN. SHE FINDS HIM BUT HER GREAT GUY TURNS OUT TO BE A ROBOT THAT'S PART OF A GRADUATE STUDENT'S WORK IN ARTIFICIAL INTELLIGENCE.

SCHEBETTA'S FILM WILL DEBUT AT PITTSBURGH THREE RIVERS FILM FESTIVAL IN NOVEMBER.

Levin Honored

CONTINUED FROM PAGE THREE

there have been challenges and changes over the years," Allison said.

"She had a unique way of both nurturing us and allowing (and empowering) us to lead; a skill that makes her an ideal person to work with students who are finding their way as new adults," said CMU alumna Christa Houser (BHA'97, TPR'99).

In support of her nomination, 2004 graduate Jennifer Cerully praised Levin for her consistent support and dedication.

"Her greatest service is not through the performance of a discrete task or role,

"IT HAS BEEN EXCITING FOR ME, DURING ALL MY YEARS IN STUDENT ACTIVITIES AND NOW AS DIRECTOR OF ORIENTATION AND FIRST-YEAR PROGRAMS, TO WORK WITH THE 'CRÈME OF THE CRÈME OF THE CROP.' IT HAS BEEN REWARDING TO MENTOR, LEARN FROM, ADVISE, INSPIRE AND BE INSPIRED BY STUDENTS WHO WANT TO MAKE A DIFFERENCE."
— ANNE WITCHNER LEVIN

but rather in the accumulation of the many years of small services — for example, engaging students and alumni and connecting them with each other — that she has provided to thousands of students and alumni over the years," Cerully said.

This past April, Levin was featured in "Her Campus," an online publication for college women that feature such national topics as style, health, life, love and career.

"She is the unsuspecting doctorate, the one who runs a marathon just because, and the one who seems to hold the entire university of Carnegie Mellon ... in the palm of her hand," wrote Veronica Kawka, a journalist for Her Campus.

Perhaps William Thomas Wood II (E'74) said it best, when he wrote, "Clearly Anne is one of the unsung heroes of the university."

Until now, that is.

Cooke Re-appointed



Peter Cooke has been re-appointed to a second five-year term as head of the School of Drama, beginning this January.

"The School of Drama has experienced a true renaissance — regionally, nationally and internationally — thanks to Peter's strong vision, his work ethic, his aesthetic, and his positive impact on the school," wrote College of Fine Arts Dean Dan Martin in an email to the Drama School community.

"He deserves high praise for his accomplishments during his first term as head, including the successful recruitment of promising new faculty, for generating significant support for capital and operating needs, for encouraging collaboration with other units at Carnegie Mellon and in the community, for the school's bold steps forward in embracing and integrating technology in the creative processes, and for the heightened visibility and stature of the School of Drama," Martin wrote.

Flex MBA Gets Underway

CONTINUED FROM PAGE ONE

technologies. "Admission and graduation require the same high standards that we hold for our on-campus MBA formats, and students follow the same curriculum taught by the exact same faculty. Face-time and personalization are critical components of business education. We will utilize technology to deliver appropriate components of the curriculum and will engage our access weekends to spur group learning and interaction."

Access weekends will occur at the end of each mini-semester — approximately five each year — when class sections will gather on a Carnegie Mellon campus to interact with alumni and student services, to complete exams, work in teams and begin new class instruction for their next courses. The inaugural

class began coursework for their first two classes in Pittsburgh in August and will conclude these courses during an

ACCESS WEEKENDS WILL OCCUR AT THE END OF EACH MINI-SEMESTER — APPROXIMATELY FIVE EACH YEAR — WHEN CLASS SECTIONS WILL GATHER ON A CARNEGIE MELLON CAMPUS TO INTERACT WITH ALUMNI AND STUDENT SERVICES, TO COMPLETE EXAMS, WORK IN TEAMS AND BEGIN NEW CLASS INSTRUCTION FOR THEIR NEXT COURSES.

access weekend in Silicon Valley in October.

"Access weekends are unique in that they physically bring together students with faculty, student services and they also include alumni," Monroe

said. "We believe this will greatly help remotely-based students get connected and stay connected with the larger school

community, and will help us to engage our strengths in alumni and corporate partners.

"Furthermore, being flexible in location will enable us to connect with multiple geographic areas during the

course of the program. Areas including New York, and Washington, D.C., are currently being considered for the future access weekends," he added.

The FlexMBA program draws on the Tepper School's nearly 20 years of experience conducting distance learning programs and replaces the Flex Mode MBA program, which was primarily corporate-centric. While utilizing new technologies to deliver content, the program embraces the importance of consistency, high-standards, accountability and maximizing student interaction. The Tepper School admissions team has already begun recruiting the next class of MBA candidates.

Driving the Future, Without a Driver

■ Byron Spice and Chriss Swaney

Raj Rajkumar and his research team are working to reduce the thousands of accidents, injuries and fatalities on the nation's roadways by eliminating human errors and indiscretions by taking the driver out of the driver's seat.

Earlier this month, Carnegie Mellon's conventional-looking, self-driving 2011 Cadillac SRX put on a show for transportation officials by negotiating highway traffic while safely changing lanes and merging during a 33-mile drive from Cranberry, Pa., to Pittsburgh International Airport.

Unlike some previous self-driving vehicles, including Boss, the autonomous Chevy Tahoe with which CMU won the 2007 DARPA Urban Challenge, the SRX doesn't bristle with exotic and expensive sensors. Instead, its six radars and six lidars, similar to those already in use on America's highways, are unobtrusively embedded in the car's bumpers, mirrors and body panels. Its computers are hidden under the cargo floor.

In addition to controlling the steering, speed and braking, the autonomous systems also detect and avoid obstacles in the road, including traffic cones and barrels, as well as pedestrians and bicyclists, pausing until they are safely out of the way. The systems provide audible warnings of obstacles and communicate vehicle status to its passengers using a human-like voice.

"The car's electronics are simply more reliable than people and will protect drivers from their own bad behavior as well as those of others, such as drinking

or texting," said Rajkumar, co-director of the CMU-General Motors Autonomous Driving Collaborative Research Lab.

"This car is the holy grail of autonomous driving because it can do it all — from changing lanes on highways, driving in congested suburban traffic and navigating traffic lights. This car and the research team behind it are proof that Carnegie Mellon continues to be a leader on this emerging frontier," Rajkumar said.

Rajkumar suggests that self-driving vehicles will begin to be commercially available around 2020 as near-term costs as well as social and legal concerns are



addressed. In the meantime, however, these technologies can be incorporated gradually, allowing drivers to adapt while adding safety and convenience.

Rajkumar said adaptive cruise control and lane departure warnings, already available in some cars, are examples. The next step could be on-demand autonomy, where the car takes complete control under specific scenarios, such as low-speed driving in bumper-to-bumper traffic or driving on single lane highways.



TOP AND LEFT: CMU'S SELF-DRIVING CADILLAC SRX IS CONVENTIONAL-LOOKING ON THE OUTSIDE, BUT RADARS AND LIDARS ARE EMBEDDED IN THE BUMPERS, MIRRORS AND BODY PANELS, AND COMPUTERS ARE HIDDEN UNDER THE CARGO FLOOR.

ABOVE: U.S. REP. BILL SHUSTER (R-PA), CHAIRMAN OF THE HOUSE TRANSPORTATION AND INFRASTRUCTURE COMMITTEE, GETS A FRONT-SEAT LOOK DURING A DEMONSTRATION AT PITTSBURGH INTERNATIONAL AIRPORT. "THIS IS THE FUTURE. IT'S JUST A WIN-WIN-WIN FOR ALL OF US," SHUSTER SAID.

Riot Grrrl Comes to CMU's Miller Gallery

■ Pam Wigley

The early '90s pioneering punk feminist movement Riot Grrrl inspired many people around the world to pursue socially and politically progressive careers as artists, activists, authors and educators.

That movement comes to CMU

this fall, when the Miller Gallery presents "Alien She," an exhibition of the movement's lasting impact, before it goes on tour nationally.

The exhibit focuses on seven contemporary artists working in a wide range of disciplines, including visual art, music, documentary film, new media,

writing and performance, and provides a view into the passion and diversity of the original Riot Grrrl movement.

The exhibition opens Friday, Sept. 20, with a reception, "Revolution and Reception," from 6 - 8 p.m. The reception will be preceded by a 5 p.m. tour led by the curators and many of the artists. The exhibition and opening events are free and open to the public.

Riot Grrrl formed in reaction to violent sexism, racism and homophobia in the punk music scene and in the culture at large. Emphasizing female and youth empowerment, collaborative organization, creative resistance and DIY ethics, Riot Grrrl helped a new generation to become active feminists who created their own culture and communities to reflect their values and experiences.

The movement spread, with chapters opening in at least 29 states and 21 countries, and with many new chapters forming in recent years.

In a curatorial statement, exhibition curators Astria Suparak of CMU's Miller Gallery and Ceci Moss of Yerba Buena Center for the Arts in San Francisco

observe that Riot Grrrl's influence on contemporary global culture is increasingly evident — from the Russian collective Pussy Riot's protest against corrupt government-church relations to the popular teen website "Rookie," and the launch of Girls Rock Camps and Ladyfest music and arts festivals around the world.

"Riot Grrrl fostered community, action and creation," Suparak said. "This exhibition provides a view into the passion and diversity of the original Riot Grrrl movement and highlights how these ideas have broadened, evolved and mutated in the work of contemporary artists."

The exhibiting artists are Ginger Brooks Takahashi (North Braddock, Pittsburgh), Tammy Rae Carland (Oakland, Calif.), Miranda July (Los Angeles), Faythe Levine (Milwaukee), Allyson Mitchell (Toronto), L.J. Roberts (Brooklyn) and Stephanie Syjuco (San Francisco).

The Miller Gallery, located in the Purnell Center for the Arts, is open to the public from noon to 6 p.m., Tuesday through Sunday.



FROM THE SERIES "LAND PROJECTS" BY FAYTHE LEVINE, PHOTOGRAPH, 2012-ONGOING. THIS PROJECT DOCUMENTS VARIOUS OFF-THE-GRID, ALTERNATIVE AND INTENTIONAL COMMUNITIES IN THE U.S.