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TOM STORY PHOTO

### Devil domination

In the photo above, ASU's Kerry Taylor scampers to the end zone to complete a 52-yard scoring strike from quarterback Rudy Carpenter for the Sun Devils' first touchdown of the 2008 football campaign. Carpenter threw for 388 yards and Dimitri Nance ran for two scores to lead No. 15 ASU past Northern Arizona 30-13 Aug. 30 at Sun Devil Stadium.

ASU's next gridiron contest will take place at 7 p.m., Sept. 6, in a home matchup against Pac-10 rival Stanford. The Cardinal topped Oregon State 36-28 in the team's opener in Palo Alto, Calif.

For information on all of ASU's sports teams, visit the Web site <http://thesundevils.cstv.com/index-main.html>.

### Dutch treat

The New American University continues to attract global attention as a model for higher education. Seven senior-level administrators from Leiden University, the oldest university in the Netherlands, visited ASU Aug. 19-20 to get a firsthand look at how ASU President Michael Crow's vision has been translated into reality.

Their interests ranged from university organization and governance to sources of university funding. They focused on ASU's strategic planning process and how the university fosters academic entrepreneurship, with special attention to the concept of social embeddedness and the role of research – both applied and more traditional – in ASU's relationship with the greater Phoenix community.

Members of the group had individual meetings with representatives of the ASU Alumni Association, Global Institute of Sustainability, Applied Learning Technologies and the School of Global Management and Leadership.

The group also met with Crow and Anthony "Bud" Rock, ASU's vice president for global engagement, and toured ASU facilities at SkySong.

## Students pound at ASU's doors in record numbers

Students' academic caliber keeps climbing

By Sarah Auffret

ASU is succeeding in its mission to increase student access and student quality, according to enrollment data released by the university.

ASU enrollment is shattering records once again, with a projected freshman class of 9,700 students and overall numbers expected to top 66,000.

The total includes a record group of 5,400 transfer students

from other colleges, 4,500 new graduate students and more top scholars than ever before. It represents an increase of 16,000 students in eight years – the equivalent of a midsized university being added to ASU.

ASU admissions staff processed more than 100,000 inquiries this year, and 45,000 new applications, 8 percent more than last year.

With a new ranking of fourth-best in "Up and Coming Schools" in the 2009 edition of "America's Best Colleges" by *U.S. News & World Report*,

ASU anticipates an even greater surge in applications next year.

The academic quality of the incoming freshman class also continues to rise. A snapshot of this year's freshmen:

- 168 are National Merit Scholars, up from 148 last year, making ASU again one of the top schools in the country for this elite cadre of high achieving students.

- Another 110 are National Hispanic and National Achievement Scholars, with National Hispanic Scholars having increased by 165 percent in the past five years.

- The average high school GPA is 3.4, the highest ever.

- The average ACT score rose a full point, to 24.0.

- The average SAT score is 1091, up 14 points from last year.

- ASU President and Provost Scholars – Arizona students who perform at the very top of their high school graduating class – increased 13 percent over last year.

- 11 are Flinn Scholars, from a group of 20 top students who are awarded full funding at any (See STUDENTS on page 7)



TOM STORY PHOTO

Students stream out of ASU's renovated Memorial Union on the Tempe campus. The Arizona Board of Regents approved \$53 million to repair and renovate the MU after a fire last November shut the building down temporarily.

## ASU celebrates MU reopening

By Sharon Keeler

The dust has settled, the paint is dry, the fence is down and all the floors are open. Just in time for the fall semester, ASU has celebrated the reopening of its renovated Memorial Union on the Tempe campus.

The MU, originally built in 1954, is the center of student life on the Tempe campus. Nearly 25,000 guests pass through its doors daily.

A fire last November shut down the Memorial Union temporarily. While the lower-level and first-floor food courts were open within 60 days, the severely damaged second and third floors were closed for renovation.

The Arizona Board of Regents approved

\$53 million to repair and renovate the MU, with an anticipated \$40 million coming from insurance reimbursements and \$13 million paid from bond money for upgrades planned before the fire.

The university hired the architecture firm Studio Ma Inc. and CORE Construction to undertake a full renovation of the second floor, upgrade to current building codes, and to match or exceed the high standards of quality used in the recently constructed campus buildings.

The second floor of the MU houses meeting rooms and ballrooms, and for many visitors it is the "front door" experience to the ASU campus.

"For the past 50 years, the Memorial

(See RENOVATED on page 7)

## Algae-based technology nets \$3 million in funding

By Sharon Keeler

ASU has entered into a groundbreaking research and commercialization collaboration with Heliae Development and Science Foundation Arizona (SFAz) to develop, produce and sell kerosene-based aviation fuel derived from algae.

Arizona Technology Enterprises (AzTE), the technology venturing arm of ASU, announced the initiative Sept. 2.

This biofuel project will focus on the commercial production of kerosene from algae using patented technologies developed by professors Qiang Hu and Milton Sommerfeld at ASU's Laboratory for Algae Research & Biotechnology.

The research efforts of Hu and Sommerfeld in algal-based biofuels and biomaterials already have moved from the laboratory to field pilot-scale demonstration and production. Their pioneering discoveries have demonstrated significant cost-reduction benefits when compared with traditional methods of producing kerosene from petroleum.

Hu and Sommerfeld have identified specific algal strains that can convert a significant portion of their cellular mass into a type of oil that is a group of "medium-chain fatty acids." The oil produced by these particular algae is high in concentration of medium-chain fatty acids – which, after deoxygenation treatment, closely mirrors the length of the hydrocarbon chains found in what is commonly called kerosene.

Kerosene, when mixed with minor amounts of fuel additives, is known as JP8 or Jet A, which is suitable for use in jet aviation applications. A competitive advantage of the medium-chain fatty acid-based kerosene production is elimination of an expensive chemical or thermal crack-

(See ALGAE-BASED on page 7)

## College of Law among best for Hispanic students

By Janie Magruder

ASU's Sandra Day O'Connor College of Law has been cited by a national business publication as one of the top schools in the country for Hispanic students.

The college is ranked second on *Hispanic Business* magazine's "2008 Top 10 Law Schools for Hispanic Students." The article was published Sept. 2 and posted on the publication's Web site, [www.hispanicbusiness.com](http://www.hispanicbusiness.com).

The magazine, which also rates business, engineering and medical schools, based its selections on reputation, enrollment, faculty, student services and retention rates.

While generally hesitant to rely on rankings to determine a school's quality, Paul Schiff Berman, dean of the college, says a celebration of the college's "tremendous commitment to its Hispanic students, its comprehensive range of curricular offerings that address issues of potential interest to those students, and its strong ties to the broader

(See COLLEGE on page 7)



Professor Charles Calleros, left, and Marisol Diaz, a third-year student at ASU's Sandra Day O'Connor College of Law, are among the reasons *Hispanic Business* magazine has named the College one of the top law schools in the country for Hispanic students.

DAVID SANDERS PHOTO

## 2 professors receive Outstanding Graduate Mentor Award

By Michele St George

Douglas Kenrick and Duane Roen have been named ASU Outstanding Graduate Mentors for 2008-2009.

The two ASU professors are the 26th and 27th recipients of this award. The Graduate College will conduct a reception in their honor Sept. 18, inviting current and former students to participate in the celebration.

"We had an extraordinary group of nominees for this award," says Maria T. Allison, university vice provost and dean of the Graduate College. "Those nominated, and those finally selected as Outstanding Graduate Mentors, consistently demonstrated not only excellence in their scholarship and teaching, but also in their enormous commitment to the development and success of their students. They have clearly influenced the lives of their students in significant ways."

Duane Roen, a professor of English, arrived at ASU's Tempe campus in 1995 and moved to the Polytechnic campus in 2004. In addition to teaching graduate courses and serving on many college and department committees, he has served on 25 master's and doctoral dissertation committees, conducts professional workshops nationally and for ASU's Preparing Future Faculty, and helps students find the most satisfying career track.

Nearly all of the graduate students whom he has mentored have also collaborated on written articles or book



Douglas Kenrick



Duane Roen

chapters with him, often as first authors. Roen and his students also have collaborated on conference presentations at regional and national conferences.

David Schwalm, dean of the ASU School of Applied Arts and Sciences says that Roen "is the hardest-working faculty member I have ever seen, anywhere. But no matter how busy he gets, he never loses his focus on his graduate students. It's in his DNA." "The greatest joys in my career have come from working with students to help them achieve their dreams," Roen says. "Their successes are the best rewards that I could ever want."

Kenrick's tenure in ASU's Department of Psychology spans 28 years. He has taught graduate and undergraduate courses, presented at more than 40 conventions, served on dozens of master's, comprehensives and dissertation committees, and considers collaboration with students one of the key elements of mentoring.

Of his more than 140 published papers, more than 90 include graduate students as authors. He gets students involved in research by encouraging them to tackle intellectually engaging topics. He also encourages each of his graduate students to develop his or her own team of undergraduate assistants. Students he has mentored frequently find jobs at prestigious universities after graduation.

"Like parenting, successful graduate mentoring requires different intellectual investments at different developmen-

tal phases," Kenrick writes. "When students finally master the basics of clear thinking, they face the most difficult steps: learning to communicate their ideas to journal editors, to grant panels, to curious undergraduates – and to journalists curious about the latest scientific findings (and each of these audiences wants them to speak in a different language)."

"Professor Kenrick is among our most popular graduate mentors, and is one of the major draws to the social psychology program at ASU," says Keith Crnic, Foundation Professor and chair of the Psychology Department. "His reputation alone recruits students, and then his true dedication to their success makes him a prized mentor. His students have tremendous success across many facets of their graduate careers, but none is so clear as is their success in publication and placement in outstanding jobs when they finish."

"This year's nominees demonstrated a very high level of dedication to the success of their students," says Andrew Webber, associate vice provost. "The impact that excellent mentoring can have on a graduate career was consistently affirmed by past and current students, who provided important input into the final selection of this year's awardees."

To read the full mentoring essay by each of the award winners, as well as statements from past winners, visit the Graduate College Web site, [graduate.asu.edu/outstandingmentors.html](http://graduate.asu.edu/outstandingmentors.html).

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### Mary Lou Fulton College of Education

## Education experts embark on mission to shape national policy

By Verina Palmer Martin

While America's presidential candidates stump for education reform, some of the nation's most distinguished scholars are developing research-based recommendations to help our country's next leader formulate effective education policies.

The National Academy of Education has asked leading experts in education leadership and policy to participate in an edifying White Paper Initiative, which will provide the candidates with the best research-based evidence on select education policy issues. Among the esteemed contributors are ASU professor Alfredo Artiles and Regents' Professor David Berliner, both with the Mary Lou Fulton College of Education.

The NAEd appointed six panels of researchers and scholars to each produce a 20-page white paper succinctly addressing the following six policy areas:

- Teacher quality.
- Standards and assessments.
- Time for learning.
- Math and science education.
- Reading and literacy education.
- Equity and excellence in American education.

"The level of experience and the knowledge that committee members bring are critical assets for crafting thoughtful analyses and recommendations on these reform issues," says Artiles, an expert on culture

*"We looked at how to provide more learning opportunities for more students, particularly for those students whose achievement levels are low."*

– ASU Regents' Professor  
David Berliner

and disabilities in education. "The goal is to synthesize critically and highlight the areas that need attention in education policy and reform. It's a unique opportunity to provide input in the shaping of the new administration's policy in education. I'm glad the National Academy has launched this initiative."

The draft white papers underwent a rigorous peer review process in Washington, D.C., where the writers of the various White papers convened to discuss the issues, review redundancies and develop policy recommendations. A second round of

peer reviews with independent experts will be conducted at the end of the summer.

The report will be shared with the presidential candidates and unveiled by the NAEd Nov. 18 at an event conducted in conjunction with the National Academy of Sciences.

Artiles' panel was asked to examine how policies have addressed structural inequities for learning and educational outcomes. Specifically, the group examined the research that addressed equity concerns related to outcome gaps across various racial and socioeconomic groups. Achievement levels and other educational outcome indicators were reviewed longitudinally and comparatively (in relation to other groups).

The bulk of the analysis was done with research produced in the United States, though some attention was given to international comparison studies.

The NAEd sought Berliner's venerated perspective on time for learning. He says his panel focused on extended learning opportunities, such as after-school programs, to address the need for a higher level of student accomplishment.

"We looked at how to provide more learning opportunities for more students, particularly for those students whose achievement levels are low," Berliner says.

He adds that the panel also looked at ways to reorganize school calendars, taking

into consideration the fact many women are working mothers.

"About 70 percent of all women with children are in the work force," he says. "Having children out of school and unsupervised is not healthy for communities."

Artiles says the focus of his working group is timely considering current federal policies' emphasis on standards and accountability across different student subgroups, such as English-language learners, students with disabilities, low-income students and racial minority students. He explains that "a significant challenge for the next administration will be to strengthen a focus on equity and excellence while it provides the necessary resources to achieve policy goals."

"This can be done in part by emphasizing not only equity in outcomes, but also equity in opportunities and access," he says. "The purpose of the White Paper Initiative is to offer rigorous syntheses of research evidence to guide future education policy."

Berliner notes that a nonpartisan project such as the White Paper Initiative has never been undertaken by an independent education organization such as the NAEd.

"What we're trying to do is downplay ideology and play up research as a guiding force in education policy," he says.

Palmer Martin, with the College of Education, can be reached at [verina.martin@asu.edu](mailto:verina.martin@asu.edu).

## Science and engineering society honors 3 at ASU

By Natasha Karaczan

The leadership of ASM International, the premier materials science and engineering society, has honored three representatives from ASU's School of Materials.

Nikhilesh Chawla, a professor in the school, has been elected an ASM International fellow. The award recognizes members for distinguished contributions to materials science and engineering. Urusa Alaan, a senior in materials science and engineering, has been elected to a one-year appointment in a student post on the ASM International Board of Trustees. Subhash Mahajan, director of the School of Materials, already is a member of the board.

Chawla is being recognizing for work in multiphase microstructures and mechanical behavior, and for modeling of advanced materials. He is the youngest person to be elected an ASM fellow since the inception of the award in 1969.

As an ASM fellow, he becomes part of a forum of technical and professional leaders who serve as advisors to the society.

Alaan is the first student to serve on the board with a faculty member from the same institution.

She is the president of Materials Advantage, a student-run organization that gives undergraduates access to four professional engineering societies in the materials field. She is working to define a clear mission for the ASU chapter of the group.

"One of our main goals is to establish traditions in the School of Materials," she says. "We want to strengthen our student community to encourage retention and to build bonds that last beyond our years at ASU."

Alaan has worked with Mahajan on research since her freshmen year at ASU. Mahajan has been appointed Alaan's ASM International board mentor.

"He has been a mentor on so many levels, and it's an honor to serve on the board with him," she says.

Chawla says being associated with ASM International throughout his student and professional life "has been very instructive and enjoyable."

"Election to the status of fellow of ASM is one of the highlights of my career," Chawla says. "It is an honor to be included among such a distinguished group of individuals in the field of materials science and engineering."

Chawla has written or co-written more than 100 materials science and engineering articles and serves on the editorial board of prominent professional publications, including Metallurgical and Materials Transactions, Advanced Engineering Materials and Materials Characterization.

He won the 2004 Bradley Stoughton Award for Young Teachers presented by ASM International, and the 2006 Young Leaders Tutorial Lecture presented by The Minerals, Metals, and Materials Society.

ASM International promotes progress in the materials field by organizing conferences around the world, as well as supporting educational, career-guidance and networking services and activities for scientists and engineers.

The School of Materials is jointly administered by ASU's Ira A. Fulton School of Engineering and the College of Liberal Arts and Sciences.

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## Professors share techniques at Teaching Day event

By Judith Smith

Over the years, professors discover and hone their own teaching styles in the classroom and out.

For Neal Lester, every class is a “performance.”

For Ted Humphrey, getting to know his students is a must. In fact, he requires that each of his students have lunch with him, sometimes in groups of six to eight.

And for Peggy Nelson, it’s important to teach from her strengths.

The three shared their teaching techniques during a breakfast conducted by the Center for Learning and Teaching excellence to kick off the center’s annual Teaching Day for new faculty.

The three speakers are all members of ASU’s Distinguished Teaching Academy.

“This is my 42nd year at this institution,” says Humphrey, founding dean of Barrett, the Honors College, who now teaches philosophy. “The opportunities at ASU for research and teaching are without equal. You are very fortunate to have been able to come here.”

Humphrey adds that the “single most important thing” a professor can do is to “exude your enthusiasm in your classroom.”

“Often, we forget to help our students learn why they should be enthusiastic about the subject,” he says. “One of the ways we can do to help them be enthusiastic is to tell stories about how the things that entrance us relate to their lives.”

Humphrey says students often train faculty to “not have office hours,” or to treat office hours like an emergency room.

“But you can’t expect the doctor to be in just before the paper is due,” he says.

He stresses that faculty should work very hard with students on reading and writing.

“No set of intellectual habits are more important,” he says. “All of us practice a literary art form.”

Lester, who teaches English and is chair of the English Department, says he isn’t really sure what makes teaching effective.

“You can have a great class, but you don’t know when you will have a great class,” he says. “You have to listen to the rhythms.”

He views each class as a performance, adding: “I still get butterflies before each class, but I interpret that as caring. I try to make each day better.”

Good teaching is “one-fourth preparation and three-fourths theater,” he says. “I don’t imagine myself as a lecturer. I’m interested in a conversation that will go in directions I hadn’t imagined.”

Nelson, who is a professor of archaeology and associate dean of Barrett, the Honors College, says “teaching does matter at ASU. The provost is very clear about that, and it matters a great deal to the students. You matter to the students. Figure out your own ways to get students to talk to you.”

Nelson told the new faculty that they should teach from their strengths.

“Some people are great lecturers, and some are great at walking around the classroom and interacting,” he says. “Ask yourself what your weaknesses are. Try new things, even though sometimes they are a disaster. Watch other people teach.”

Nelson also says that faculty should “tell your students what you expectations are. I expect my students to be in class. I also tell them what they can expect from me. Know yourself. Know what you have to offer.”

Smith, with Media Relations, can be reached at (480) 965-4821 or [jps@asu.edu](mailto:jps@asu.edu).

## In THE NEWS

ASU experts frequently are called upon by the local and national news media to provide insight and opinion on current events and issues of public interest. Following are excerpts of recent news articles featuring ASU representatives.

Associate professor of English **Paul Kei Matsuda** says that writing is an essential skill for English learners in Asia. Although it generally is considered the most difficult to master among the four language skills, Matsuda believes that writing assignments offer many benefits to English language learners. “Writing tasks may be time-consuming, but feedback can be sourced from the writer’s own self, his peers, tutors and the intended readers,” Matsuda says. “It is in this context that students can learn their mistakes.” *Star Online* (Malaysia), June 17.

Stuck with rising competition from Internet-mediated news, traditional media have been reaching out to Web-savvy citizen journalists to expand their online audiences. “You can take the cynical view that ‘citizen journalism’ is a buzzword now, or the sincere view that (the mainstream press) thinks this will illuminate what’s going on and get closer to the real world,” says **Dan Gillmor**, director of ASU’s Knight Center for Digital Media Entrepreneurship. “Or it’s something in-between, which is most likely: some showmanship and some curiosity about trying new things.” *Christian Science Monitor*, July 28.

An Economic Policy Institute study says Arizona has suffered a net loss of 43,300 jobs to China since 2001, when the country joined the World Trade Organization. “Human disruptions are tough, but (reduction of trade barriers) is the only way that the overall economy will be more productive in the long run,” says business professor **Dennis Hoffman**. “If you put a ring around the (United States), it may pay off in the short run for those who are entrenched in their jobs, but we will soon be left behind by the rest of the world.” *East Valley Tribune*, July 29.

Given the necessity of government funding for basic research, the melding of science and politics is unavoidable. “What has concerned me most about the way this issue has played out is the illusion that science can be separated from politics when it is being mobilized on behalf of questions that are inherently political,” says **Daniel Sarewitz**, director of the Consortium for Science, Policy and Outcomes at ASU. “This is bad for both science and politics: Bad for science because it creates expectations about how science works that are impossible to meet; bad for politics because debates about values get carried out as if they were debates about facts.” *San Diego Union-Tribune*, July 31.

Although Americans are known for working more hours than Europeans, if you count home-based work, Europeans work just as much. However, a side effect to producing more goods at home is that fewer service jobs are created. New research by economics professor **Richard Rogerson** finds that “almost all of the difference (between Europe and the United States) in hours of (paid) work is accounted for by differences in the service sector.” *Fortune Magazine*, Aug. 5.

## Study Abroad Fair offers opportunity for ASU students

Participating in a study abroad program can be a tremendous opportunity for students, broadening their understanding of other cultures and their own cultures. It challenges them to develop skills of independence, self-reliance and problem-solving, all of which are essential in today’s workplace, and it does so in an intercultural context.

But what are the benefits for the faculty who lead many of those programs?

When the ASU Study Abroad Office conducts its semiannual Study Abroad Fair from 11 a.m. to 2 p.m., Sept. 10, faculty and students who attend will be able to consider why participating in or leading a study abroad program has become an increasingly valuable – and, in many cases, essential part of the academic experience at ASU.

The fair will be held in the Arizona Ballroom of the Memorial Union on ASU’s Tempe campus.

“Studying and volunteering in another country are priceless and unforgettable learning experiences that cannot in any way be emulated in the classroom,” says **Mirna Lattouf**, a senior lecturer in the School of Letters and Sciences, who has directed the school’s London, Belize and South Africa internship programs.

Along with offering an opportunity to meet faculty leaders of past and future programs, the fall Study Abroad Fair will include informational presentations and materials about more than 250 programs in 63 countries, Study Abroad Office program coordinators on hand to answer questions, the ASU Passport Acceptance Office on site to take passport photos and receive passport applications, world music and a raffle.

For more information, call (480) 965-5965 or visit the Web site [asu.edu/global](http://asu.edu/global).

## Knowledge of ASU 101 course comes in handy at conference

By Steve Des Georges

A class specifically designed to help incoming ASU freshmen is having a ripple effect that will soon be felt as far away as Portland, Ore.

Samantha Miller, a graduate of ASU’s New College of Interdisciplinary Arts and Sciences, is using the research she conducted before teaching ASU 101 to incoming freshmen as the foundation for a presentation at the Peace and Justice Studies Association conference Sept. 11-13 at Portland State University. She will discuss the topic of peace education and sustainability during the “Building Cultures of Peace” conference.



Samantha Miller

“I was hired to teach ASU 101 during its first semester last fall, and a major component of the course is helping our freshmen understand what being a part of the New American University means to them,” says Miller, who graduated from New College in 2007 with a bachelor’s degree in English. “The more I researched for the class, the more the research began to influence my own course of study, which was an exciting process.”

Her presentation focuses on the connection between the teaching of sustainability and peace, and then explores the possibility of testing the new paradigm through ASU’s model of the New American University – a vision promoting excellence in its research and among its students and faculty, increasing access to its educational resources, and working with communities to influence social and economic development.

“There is so much potential within the field of sustainability,” she says, adding that she also will attend two days of Center for Applied Non-Violent Action & Strategies (CANVAS) training while at the conference. “I feel ASU has really placed itself at the front lines of this movement. Sustainability is all about rethinking the way we relate to our environment, and we can’t do that without rethinking the way we relate to each other.”

“Sustainability might be a way we can more easily talk about peace. Learning to ask the question ‘Is this a sustainable practice?’ would invariably lead to more peaceful choices, in my opinion. This is where I think the New American University could be of great benefit to our society, because the model already presupposes an effort to teach sustainable practices.”

“The idea of ‘inclusion’ versus ‘exclusion’ runs parallel to the ecologically sustainable design of biodiversity, while supporting social justice and quality of life, which are both social sustainability indicators. Global engagement and social embeddedness promote an understanding of our place in the world and inside of our immediate communities, and also encourage us to explore the interconnectedness and interdependencies of us all.”

Since her spring graduation from New College on ASU’s West campus, Miller has enrolled in the college’s master’s degree in interdisciplinary studies program.

“The program is fantastic for me, since it provides a solid foundation for interdisciplinary research and what ‘interdisciplinary’ actually means: the history, the theory, the methodologies,” she says. “It allows for such freedom within your topic of study.”

“My interests cross so many disciplines that I wouldn’t want to be pigeonholed into any single area, but I do need that base of support and guidance. In many ways the program is a lot like learning to read a road map. Now that I know how to get from point A to point B, I can follow wherever my research may take me.”

For now, it is taking her to Portland.

“What really attracted me to the Peace and Justice Studies Association, and the conference in particular, was the idea of academics and activists working side by side for the same goals,” says the mother of two, who lives in Phoenix. “Research and implementation go hand in hand in my mind, and that’s what the conference is all about.”

Des Georges, with Public Affairs at the West campus, can be reached at (602) 543-5220 or [stephen.desgeorges@asu.edu](mailto:stephen.desgeorges@asu.edu).

## Happy endings don’t always happen for MU’s ‘lost and found’

By Judith Smith

Lost: One passport. Found: One passport. Reunited: One passport and one very happy owner.

This is the way “lost and found” is supposed to work at the Tempe campus, but the ending isn’t always such a happy one.

Just 25 percent of the “found” items turned into the Memorial Union information desk were reclaimed by their owners during the last spring semester, says information desk manager Carlos Bravo. But that’s better than spring 2007, when the return rate was just 12 percent.

To help improve the return rate, the MU information desk has developed a new form on its Web site that people can use to report lost items.

If the item has been turned in, the owner will be notified, Bravo says, adding: “We will only contact you if we believe we have received your item.”

The most common items reported lost are keys and sunglasses, Bravo

says, while lost wallets have the highest return rate, simply because they usually have some form of identification in them.

Among the more unusual items turned over to the information desk have been a pair of underpants – and a box of macaroni and cheese.

From August 2007 through April of this year, more than 3,000 “found” items were turned in to the information desk.

People who find things on campus sometimes turn them in to the nearest office instead of taking them to the MU.

Those departments should send found items to the information desk in campus mail as soon as possible (mail code 0901), since the more quickly they are turned in, the better chance the owners have to find them.

For more information, call the information desk at (480) 965-5728, or visit the Web site <http://www.asu.edu/studentaffairs/mu>.

Smith, with Media Relations, can be reached at (480) 965-4821 or [jps@asu.edu](mailto:jps@asu.edu).



Events are free, unless otherwise noted. Items in the "Exhibitions" section run at exhibit opening and on the first of each month only. Building abbreviations are listed according to the official ASU phone directory. Send information to Judith Smith at [jps@asu.edu](mailto:jps@asu.edu) or fax (480) 965-2159. For information about ASU events, visit the Web at <http://events.asu.edu>.

## Meetings

### Monday, Sept. 8

**University Senate**, 3-5 p.m., Education Lecture Hall room 117. Information: (480) 965-2222.

### Tuesday, Sept. 16

**Public Art and Design Review Council**, 8-10 a.m., University Services Building (USB) conference room 2105. (480) 965-1855.

## Lectures

### Friday, Sept. 5

**"Nanotechnology, Nanomedicine & Cryonics,"** 12:10-1 p.m., Armstrong Hall (LAW) room 114. Speaker: Ralph Merkle, Alcor Foundation. Co-sponsored by the Law and Science Student Association, and ASU's Center for the Study of Law, Science and Technology. Information: (480) 965-2465 or [sandy.askland@asu.edu](mailto:sandy.askland@asu.edu).

**"Modeling Mood Disorders in Mice: TrkB and Depression; P13Kinase and Autism,"** 2-3 p.m., Life Sciences Center (LS) E-104. Speaker: Luis Parada, professor and chair, Department of Developmental Biology, UT Southwestern Medical Center. Sponsored by School of Life Sciences. Information: (480) 965-2705.

**"The Poor Person's Nanotechnology: Nanofluids and Energy Conversion,"** 2-3 p.m., Bateman Physical Sciences Center (PS) H-153. Speaker: Patrick Phelan, ASU. Sponsored by Mechanical and Aerospace Engineering Department. Information: (480) 727-0476.

### Monday, Sept. 8

**"Fighting for Environmental Justice in Arizona: Strategies and Tactics,"** 4:30-6 p.m., Memorial Union (MU) Ventana Room (241C). Speaker: Steve Brittle, president, Don't Waste Arizona Inc. Part of the Seeking Justice in Arizona lecture series sponsored by the School of Justice and Social Inquiry. Information: (480) 965-7682.

### Tuesday, Sept. 9

**University Club Colloquium**, noon-1:30 p.m., University Club. Speaker: Peterson Zah, adviser to President Michael Crow for American Indian Initiatives. Chef's choice buffet, \$15. Reservations: (480) 965-0701.

**Law lecture**, 12:10-1 p.m., LAW room 114. Gaia Bernstein, Seton University School of Law School, speaks on topics related to the inter-relationships between technology, law and society. Sponsored by Law and Science Student Association and Center for the Study of Law, Science & Technology. Information: (480) 965-2465 or [sandy.askland@asu.edu](mailto:sandy.askland@asu.edu).

**"Aesthetics of Contemporary Latin-American Film,"** 3-4:30 p.m., Durham Language and Literature Building (LL) room 165. Speaker: Cynthia Tompkins, associate professor of Spanish, School of International Letters and Cultures. Part of the SILC Work-in-Progress Lecture Series. Information: [silc@asu.edu](mailto:silc@asu.edu) or (480) 965-6281.

### Wednesday, Sept. 10

**"Laser Capture Microdissection,"** 1-2 p.m., Biodesign Institute Auditorium. Speaker: Jeff S. Verdier. Information: (480) 727-0370.

**English lecture**, 3:15 p.m., LL room 316. Speakers: emeriti professors of English Bettie Anne Doebler and Gene Valentine. Information: (480) 965-3528.

### Thursday, Sept. 11

**"A Declaration of Energy Independence: How Freedom from Foreign Oil Can Improve National Security, Our Economy, and the Environment,"** 3 p.m., Global Institute of Sustainability (GIOS) room 481. Speaker: Jay Hakes, director, Jimmy Carter Presidential Library and Museum and former head of the Energy Information Administration at the U.S. Department of Energy and professor of political science at the University of New Orleans. Part of the Wrigley Lecture Series. Information: [rod.groff@asu.edu](mailto:rod.groff@asu.edu).

**"Phun with Photoelectrons: Electronic Structure of High-Tc Subconductors and Other Correlated Electron Systems,"** 4 p.m., PS F-123. Speaker: Daniel Dessau, University of Colorado-Boulder. Sponsored by Department of

Physics. Information: (480) 965-9075.

### Friday, Sept. 12

**"The Role of Plants and Soils in the Urban Carbon Cycle,"** 2-3 p.m., LS E-104. Speaker: Diane Pataki, University of California-Irvine. Sponsored by School of Life Sciences. Information: (480) 965-2705.

**"Mechanics of Stretchable Electronics,"** 2-3 p.m., PS H-153. Speaker: Yonggang Huang, Northwestern University. Sponsored by Mechanical and Aerospace Engineering Department. Information: (480) 727-0476.

### Wednesday, Sept. 17

**Constitution Day Lecture, "Eighth Amendment, Cruel and Unusual Punishment,"** 1:30-2:30 p.m., Hayden Library room C6East. Speaker: Robert McWhirter, Maricopa Legal Defender's Office. Information: (480) 727-7636.

**"The Inconvenient Truth About Phoenix,"** 2 p.m., Fulton Center sixth-floor board room. Speaker: Patricia Gober, professor of geography, ASU. A colloquium sponsored by the Emeritus College. Information: (480) 965-0002.

### Friday, Sept. 19

**"Memory Networks: From Molecules to Behavior,"** 2-3 p.m., LS E-104. Speaker: Uli Mueller, Freie Universität Berlin Institut für Biologie-Neurobiologie. Information: (480) 965-2705.

## Conferences

### Friday, Sept. 12

**"Multidisciplinary Studies On the (Cutting) Edge,"** 9:30 a.m.-4 p.m., Fulton Center room 2490 followed by a synthesis and public-press event at 4 p.m. in University Club. Speakers: Four ASU Canada scholars, three ASU Canadian Fulbright Scholars, and Canadianists from the West will discuss a variety of timely North American topics. Sponsored by North American Center for Transborder Studies. (480) 965-1846.

### Thursday, Sept. 18

**"Can We Talk? Tools for Creating Civil Discourse,"** 8-11:45 a.m., Arizona Biltmore Resort, 2400 E. Missouri Ave., Phoenix. A conference on methods for cultivating civil discourse in diverse settings. Sponsored by Arizona Chapter of the Association for Conflict Resolution with support from ASU's Conflict Transformation Project. Conference registration: \$60. Information: (480) 209-1295 or <https://www.123signup.com/event?id=tsdbc>.

## Miscellaneous

### Saturday, Sept. 6

**Sun Devil Football Tailgate**, 5-7 p.m., University Club. Barbecue buffet \$10 per person, including soda or iced tea. Reservations: (480) 965-0701.

### Monday, Sept. 8

**Superstition Review reading**, 7:30-9 p.m., Student Union Cooley Ballroom B, Polytechnic campus. *Superstition Review* is the campus' literary magazine. Information: (480) 727-1537.

### Tuesday, Sept. 9

**Cooperative Learning Techniques I**, 12:15-1:30 p.m., Discovery Hall 212 (formerly AG). Sponsored by the Center for Learning and Teaching Excellence. Information and Registration: <http://cte.asu.edu>.

**Short-Talks Luncheon**, 1 p.m., Karsten Golf Course Clubhouse, 1125 E. Rio Salado Parkway, Tempe. Speakers: Mary Laner and Sheila le Sueur. No-host lunch. Sponsored by Emeritus College. Information: (480) 965-0002.

### Wednesday, Sept. 10

**Reading by novelist Chang-rae Lee**, 7:30 p.m., Burton Barr Library, 1221 N. Central Ave., Phoenix. Lee's first novel, "Native Speaker," won the PEN/Hemingway Award. Sponsored by the Virginia G. Piper Center for Creative Writing. Information: (480) 965-6018.

### Saturday, Sept. 13

**Fall Service Plunge Day of Service**, 9 a.m.-1:30 p.m., two Phoenix locations. Lunch and transportation provided. Sponsored by ASU Community Service Program. Information: (480) 965-0305 or [volunteer@asu.edu](mailto:volunteer@asu.edu).

**Sun Devil Football Tailgate**, 5-7 p.m., University Club. Barbecue buffet \$10 per person, including soda or iced tea. Reservations: (480) 965-0701.

### Friday, Sept. 19

**Brown Bag reading**, noon, Emeritus College Center, Wilson Hall (WILSN) room 101. Sponsored by Emeritus College. Information: (480) 965-0002.

**"The Poetry of Social Protest,"** 2-3:30 p.m., Durham Language and Literature Building (LL) room 316. A reading

and discussion sponsored by the English Club. Information: (480) 965-7611.

**Decision Theater tour**, 3-4 p.m., Decision Theater, 21 E. Sixth St., suite 126A, Tempe. Information: [Michele.nobles@asu.edu](mailto:Michele.nobles@asu.edu).

**Science Café**, 5:30-6:30 p.m., Arizona Science Center, 600 E. Washington St., Phoenix. Today's topic, "Is Nanotechnology Good for Sustainability ... or Not?" will be discussed by George Maracas, Brad Allenby and Patrick Phelan – two engineers and a professor of ethics and industrial ecology. Sponsored by the Center for Nanotechnology in Society. Information: (602) 716-2000.

## Events and Performances

\*Indicates tickets are available at Herberger College of Fine Arts Box Office, Nelson Fine Arts Center, (480) 965-6447.

\*\*Indicates tickets are available at ASU Gammage, Mill Avenue and Apache Boulevard, (480) 965-3434; ASU Kerr Cultural Center, 6110 N. Scottsdale Road, Scottsdale, (480) 596-2660.

### Friday, Sept. 5

**"A Chorus Line,"** 7:30 p.m., ASU Gammage. For 17 dancers, this audition is the chance of a lifetime, the culmination of all they've worked for and dreamed about. Continues at 2 and 7:30 p.m., Sept. 6; 2 and 7 p.m., Sept. 7.\*\*

### Saturday, Sept. 6

**Faculty artist Caio Pagano piano**, 7:30 p.m., Katzin Concert Hall. Pagano is joined by guest violinist Emmanuele Baldini and the ASU Wind Faculty Ensemble.\*

### Sunday, Sept. 14

**Katie McLin, violin and Andrew Campbell piano**, 2:30 p.m., Katzin Concert Hall.\*

### Monday, Sept. 15

**Faculty artists Catalin Rotaru bass**, and Jonathan Swartz, violin, 7:30 p.m., Katzin Concert Hall. A student string quintet also performs violin and cello repertoire.\*

### Tuesday, Sept. 16

**"American Art Song Recital,"** 7:30 p.m., Katzin Concert Hall.

### Thursday, Sept. 18

**Wind concert**, 7:30 p.m., ASU Gammage. Audience will get to choose whether to hear about the music, blog about the concert, talk about it, or just listen!

### Friday, Sept. 19

**"ELINA's LINEAge,"** 7:30 p.m., Paul V. Galvin Playhouse. A gala tribute to long-serving ASU Herberger College Dance faculty member Elina Mooney. Continues at 7:30 p.m., Sept. 20; 2 p.m., Sept. 21.\*

## Exhibitions

**Archives, Luhrs Gallery** – 8 a.m.-5 p.m., Monday-Friday. Hayden Library, fourth floor. Information: (480) 965-3145.

**Arizona State Credit Union** – 9 a.m.-5 p.m., Monday-Friday. Memorial Union, Lower Level. Information: (602) 644-4786.

**Art Café, Memorial Union** – 7 a.m.-9 p.m., Monday-Thursday; 7 a.m.-3 p.m. Friday; 8 a.m.-3 p.m. Saturday; 4-8 p.m. Sunday. Information: (480) 965-9600.

**ASU Art Museum, Nelson Fine Arts Center** – Regular hours: 11 a.m.-9 p.m., Tuesday; 11 a.m.-5 p.m., Wednesday-Saturday; 1-5 p.m., Sunday. Summer hours: 10 a.m.-5 p.m., Tuesday-Saturday. Information: (480) 965-2787.

Opens Sept. 27, "The Other Mainstream II: Selections from the Mikki and Stanley Weithorn Collection" is the second exhibition at the ASU Art Museum that focuses on the adventurous contemporary art collection of Valley residents Mikki and Stanley Weithorn. True to its name, the exhibition reflects the dominance in the contemporary art world of artists from diverse backgrounds working with new issues of identity – a new "mainstream." With most of the works in the exhibition created since 9/11, the collection is bold in its commentary on global concerns and in its figurative imagery. The paintings, drawings and sculptures reach beyond simply examining the assigned powers in politics, gender, and race, and move to a broader examination of our humanity through humor or fantasy or blunt honesty.

Through Sept. 28, "NOW: Selections from the Ovitz Family Collection." Reception: 7-9 p.m., Sept. 26. This exhibit highlights recent work by established and emerging international contemporary artists. Artists pursue their own innovations and artistic visions while thoughtfully mining the history of art. The Ovitz Family Collection represents the diversity in contemporary art, from abstraction to the figura-

tive, refined technique to intentionally rough, and the blurring of boundaries between media.

**ASU Art Museum Ceramics Research Center** – 11 a.m.-5 p.m., Tuesday-Saturday, Tempe Center.

Through Feb. 28, "Midstream: New Ceramics from the Heartland." Reception: 7-9 p.m., Sept. 26. Features performance by Teri Frame. "Midstream" uncovers the work of three artists who are defining a new generation of clay workers, reflecting diverse backgrounds working with new issues of identity. Their work is bold in its commentary on global issues and moves to a broader examination of humanity through humor, fantasy or direct honesty.

**ASU Gammage** – 1-4 p.m., Monday. Information: (480) 965-6912.

Through Oct. 29, watercolor and acrylic by Jennifer Campbell; sculpture by Traci A. Los; c-print photography by Keith Stanton.

**ASU Kerr Cultural Center** – 10 a.m.-5 p.m., Monday-Friday and during performances at 6110 N. Scottsdale Road, Scottsdale. Exhibition hours are subject to change. Information: (480) 596-2660.

**Deer Valley Rock Art Center** – 9 a.m.-5 p.m., Tuesday-Saturday; noon-5 p.m., Sunday, 3711 W. Deer Valley Road, two miles west of I-17. Information: (623) 582-8007.

**Fletcher Library, West campus** – Exhibits open during library hours. Information: (602) 543-8500.

**The Galleria** – 8 a.m.-6 p.m., Monday-Friday, located in Mercado Building C, 502 E. Monroe St., Phoenix. Information: (602) 496-1500.

**Gallery of Design** – 8 a.m.-5 p.m., Monday-Friday, College of Design South. Information: (480) 965-6384.

**Gallery 100** – 1-5 p.m., Monday-Thursday; 1-3 p.m., Friday. Tempe Center, Suite 199. Information: (480) 965-2380.

Opens Sept. 22, "Craftmanship 2008." Opening reception: Sept. 22, 7-9 p.m. Second Arizona Designer Craftsmen juried exhibition.

**R.S. Dietz Museum of Geology** – 9 a.m.-noon, Monday-Friday, Physical Sciences Center F-wing foyer. Information: (480) 965-7065.

More than 200 fossil teeth stud the life-sized re-creation of a prehistoric shark's jaws. Among other exhibits are bones of Columbian mammoths discovered in Chandler, a six-story Foucault pendulum and mineral, gem and fossil displays.

**Harry Wood Gallery** – 9 a.m.-5 p.m., Monday-Thursday; 9 a.m.-3 p.m., Friday, Art Building, first floor. Information: (480) 965-3468.

Opens Sept. 15, MFA thesis exhibition in painting by Christine Wuenschel. Opening reception: Sept. 15, 7-9 p.m.

**Hayden Library Rotunda** – normal library hours. Information: (480) 965-6164.

Through Sept. 30, "Surveying Arizona: Select Photographs from the Arizona Historical Foundation Collection" tells the story of Arizona's documentation through photographs selected from the more than 40,000 held by the Arizona Historical Foundation. Included are an undated aerial photograph of Camelback Mountain – surrounded by agricultural fields; a 1916 photograph of Oatmine Mine; prospectors in 1931; and the town of Roosevelt in 1905, before it was covered by the lake.

**Hayden Library Arizona Historical Foundation Collection** – 8 a.m.-5 p.m., Monday-Friday. Information: (480) 965-3283.

Through Dec. 31, "Murder & Mayhem: The Strange Saga of Winnie Ruth Judd." This exhibit includes more than 100 original photos of the Winnie Ruth Judd saga that began on Oct. 16, 1931, when Judd shot her two friends and former roommates, Agnes Anne LeRoi and Hedvig "Sammy" Samuelson, and ended up taking their bodies in trunks on the train to Los Angeles. One trunk had Samuelson's cut-up body. The trunks leaked blood, and the police were called when the train got to Union Station. Arizona Historical Foundation photo preservationist Rebekah Tabah discovered the photos from Judd's trial in a dusty box in the foundation's storage room. There were no notes, so the donor – as well as the truth about what really happened that Oct. 16 – remain a mystery.

**Interdisciplinary Arts and Performance Gallery** – 11 a.m.-2 p.m., Monday-Thursday, University Center Building, Room 228, West campus. Information: (602) 543-ARTS. Tours: (602) 543-8152.

Opens Sept. 30, "Twenty Irish Printmakers Respond to the Schwemberger Photographs" is a collection of more than 100 compelling images of American Indian peoples, homes and landscapes dating back to 1902. The images were taken by Brother Simeon Schwemberger while he lived at St. Michaels Mission near Window Rock, Ariz., in the early 1900s.

Through Sept. 25, "Poesia=Imagen: Celebrating Hispanic

Heritage Month." Faculty Artist Leandro Soto's solo show works with poets of the Hispanic tradition in an interdisciplinary exhibition honoring Hispanic Heritage Month.

**Museum of Anthropology** – 11 a.m.-3 p.m., Monday-Friday, Cady and Tyler Malls. Information: (480) 965-6224.

Through Oct. 3, "Mosaic: Cultural Identity in America" and "Fuse: Portraits of Refugee Households in Metropolitan Phoenix." In "Mosaic: Cultural Identity in America," jury-selected student artists explore questions of national identity. Sarah Elsasser, guest curator and a student in ASU's Barrett Honors College, has asked students to express, through a variety of artistic media, how they understand and identify with being "American." "Mosaic" contextualizes American identity as a diverse and changing ascription, based on ethnicity, religion, gender and sexual orientation. "Fuse" is a portrait exhibit of the complex worlds of resettled refugees in the Phoenix metropolitan area. It fosters critical thinking on who refugees are – and how, through sharing experiences, the Phoenix metro community can seek common ground. The exhibition is being developed in collaboration with Community Outreach & Advocacy for Refugees (COAR), a youth-led nonprofit based in Tempe that works with refugees, and local artist Eliza Gregory, a member of the eye lounge artist cooperative on Roosevelt Row.

**Night Gallery** – 6-9 p.m., Thursday-Sunday, 2000 E. Rio Salado Parkway, suite 1021, Tempe. Information: (480) 965-3468.

Through Sept. 28, "Ornaments." ASU graduate Michael Anderson exhibits large-scale sculptures that resemble Christmas ornaments. Anderson's steel works are in public and private collections across the United States and in more than five countries, including the United Arab Emirates and Australia.

**Step Gallery** – noon-5 p.m., Monday-Thursday; noon-3 p.m., Friday, Tempe Center, 10th Street and Mill Avenue. Information: (480) 965-3468.

Opens Sept. 8, "Mandala." Artwork by Jason Ripper. Opening reception: Sept. 8, 7-9 p.m.

## Defenses

**Kaisha Neil**, PhD, Plnt. Bio., 9 a.m., Sept. 8, GIOS 101.

**Kevin Gibson**, PhD, Phys., 1 p.m., Sept. 12, PSF 462.

# ASU helps artists go 'F.A.R.' with groundbreaking program

By Sarah Munter

ASU has established F.A.R. @ ASU, a groundbreaking program for engaging artists with the university and greater community.

Based in downtown Phoenix, F.A.R. (Future Arts Research) will welcome 20 to 24 leading national and international artists, critics and scholars each year who will conduct research in collaboration with departments within the university and work closely with the surrounding community.

F.A.R. is an initiative of the university president's office, independent of the ASU's Herberger College of the Arts.

F.A.R. artists will follow an applied research method focusing in its first phase on three areas important to Phoenix: new technologies in the arts, desert aesthetics, and issues of justice and human rights.

"Artistic production creates bridges between different cultural, expressive and ethical traditions; these will be at the heart of F.A.R.'s work in linking Phoenix and the region to the greater world," says Bruce Ferguson, director of F.A.R. "F.A.R. has initiated a new model for arts institutions by supporting artists whose 'action research' generates new forms of knowledge, using one of our specific areas which resonate with the Phoenix community. F.A.R. will introduce artistic exploration models to the university to complement the empirical, 'pure research' ones typical of research universities."

"ASU is renowned for its cutting-edge research and for fostering a strong intellectual community that fuses different cultural perspectives," says ASU President Michael Crow. "F.A.R. brings an important new dimension to our uni-

versity community, serving as a catalyst, bringing together creative people and ideas, and providing different ways to analyze, understand and problem solve. Its location in downtown Phoenix is integral to the university's mission to weave creative programs into the community and its emerging downtown campus."

F.A.R. artists will spend periods of time in Phoenix using the city's physical, social and intellectual landscape as a platform for conceptualizing and presenting new research and, in some cases, producing new art work as a result of their research. Through the first area of study, artists can explore new modes of expression through technology, or examine society's use of (or resistance to) new technologies.

The second area of focus delves into the manifold understandings of the "desert" through the study of desert aesthetics, cultural sustainability and human interaction. This emerging field allows F.A.R. to partner with other desert arts communities across the globe, and it already has begun a residency exchange program with the Townhouse Gallery in Cairo, Egypt.

F.A.R.'s third field of study will focus on the examination of human rights and social action issues. Drawing inspiration from multiple academic disciplines at ASU, F.A.R. artists will map the evolving cultural anthropology of Phoenix through this research.

F.A.R.'s inaugural residents include:

- Anna Deavere Smith, an award-winning playwright and performer who has begun work on "The Arizona Project," a new play about women, justice and the law. Created as a tribute to the fact that ASU's College of Law is named for re-

tired U.S. Supreme Court justice Sandra Day O'Connor, the performance is based on interviews conducted with women involved in the judicial system as politicians, judges, criminals and activists. "The Arizona Project" will be presented in three performances Nov. 5, 7 and 8 at the Herberger Theater in Phoenix.

- Max Dean, a native of England now based in Canada, known for his interactive, kinetic installations exploring the nature of trust and control.

- Rebecca Belmore, a First-Nations artist exploring issues of gender, place and identity through performances, installations, sculpture and videos.

- Dick Hebdige, a cultural critic and theorist, professor and author of the highly influential book "Subculture: The Meaning of Style." He also contributed a lengthy essay on the work of Takashi Murakami to the 2007 exhibition organized by the Museum of Contemporary Art, Los Angeles.

- Natalie Jeremijenko, a 1999 Rockefeller Fellow, is an Australian-born, New York-based inventor and engineer whose work merges engineering, biology and art to explore socio-political issues.

- Rafael Lozano-Hemmer, a Canadian electronic artist who develops large-scale interactive installations in public spaces, and who held a remote lecture and demonstration in March at ASU's Digital Arts Ranch, a cutting-edge facility for interactive performances and classes.

- Ken Lum, a Canadian artist of Chinese heritage combining photographic images, text and sculptural elements to explore issues of identity, race and class.

- Ahmet Öüt, an artist who lives and works in Istanbul and Amsterdam and whose installations, videos, performances and printed books explore various social

and political events happening in his native Turkey.

- James Yamada, an artist who uses a variety of media to create interactive works exploring themes of nature, satellites, weather and wildlife who is working on a gateway sculpture leading to ASU's new Tempe dormitories.

Artists-in-residence will be given unencumbered time to experiment, explore concepts, test ideas and create, with the support of university institutes, faculty and students. In addition to university resources, artists will also be matched with community partners in the arts, architecture and design, sciences, technology and other fields, and will interact with these local and regional experts through discussions, critiques and public presentations of their works.

F.A.R. also will present a variety of public programs, including symposia, lectures, performances and exhibitions. These programs will be planned to engage the broadest possible audience and demonstrate the importance of culture in creating a healthy community. F.A.R.'s initiatives will present lectures by Peter Sellers, David Elliot, Sylvie Fortin, Maria Nordman and Subhankar Banerjee this fall.

F.A.R. also will mount biannual interdisciplinary discussions and events on topics of relevance to ASU and the Phoenix community. The inaugural series of discussions, "F.A.R. Xchange 1: The Desert Between Us," will focus on the desert and will take place in Phoenix Nov. 20-22.

Additional information about F.A.R. is available online at [www.futureartsresearch.com](http://www.futureartsresearch.com).

Munter, with F. A. R., can be reached at (602) 258-1852 or [sarah.munter@asu.edu](mailto:sarah.munter@asu.edu).

## Dresses honoring women of Juarez return to West campus

By Matt Crum

Five years after an exhibit of decorated dresses drew public attention to the murders of hundreds of women in Juarez, Mexico, the widely traveled display returns to ASU's West campus this month.

"ReDressing Injustice Redux" is on display in Fletcher Library through Sept. 30.

Two hundred dresses on 6-foot-high pink crosses were displayed on the central lawn of the West campus in 2003 as part of the campus's inaugural Border Justice event. The exhibit, "ReDressing Injustice," has since traveled to Mexico, Europe and sites across the United States, including metropolitan Phoenix.

The 2003 public art installation was developed by visual artist Irene Simmons. Simmons received help from volunteers who participated in workshops that redecorated simple dresses to serve as memorials to the victims in Juarez.

The new exhibit chronicles the journey of the original instal-

lation through a selection of dresses, along with photographs chronicling the journey of "ReDressing Injustice" to social justice events during the past five years.

"As we were installing the new exhibit in Fletcher Library, many students asked about the meaning of the memorial dresses," says Kristin Koptiuch, an associate professor of social and behavioral sciences in ASU's New College of Interdisciplinary Arts and Sciences. "When we told them about the Juarez murders, they were shocked. Nearly all of the students we spoke with had never heard of the murders.

"This reminds us of the need for continual education about the Juarez femicides, set in the context of the violence against women that has become a prevalent accompaniment to the impact of globalization at the U.S./Mexico border and around the world."

Two special events are planned in conjunction with the exhibit:

- On Sept. 10, two experts will lead a discussion titled "Con-

temporary Views of the Juarez Femicides." The speakers are Carol Mueller, an ASU sociology professor, and Cynthia Bejarano, a criminal justice faculty member from New Mexico State University. Mueller and Bejarano will unravel the complicated expression of social justice represented by the Juarez femicides and provide an update about advocacy movements addressing the continued violence against women in Juarez. The dialogue will take place from 7 p.m. to 8:30 p.m. in room 229 of the CLCC Building.

- On Sept. 20, Simmons will play host to a "ReDressing Injustice Workshop." Participants are invited to bring a dress to remake into a memorial in this hands-on workshop from 9 a.m. to 3 p.m. in room 241 of the CLCC Building.

More information about the Border Justice Series is available online at [www.west.asu.edu/borderjustice](http://www.west.asu.edu/borderjustice).

Crum, with Public Affairs at the West campus, can be reached at (602) 543-5209 or [matthew.crum@asu.edu](mailto:matthew.crum@asu.edu).

## ASU expert Guston outlines ways to effectively manage innovation

While the world desperately needs many of the innovations that scientists promise, the record of research delivering on such promises is mixed, and society often underestimates its ability to steer research toward desired outcomes.

With researchers designing materials that assemble themselves to demonstrate new properties and enhancing humans to manipulate objects with thoughts alone, science is stretching the imagination.

It also may stretch our comfort levels, our values and our interests in the larger social implications of such innovations. How can we develop and employ an effective science or innovation policy that takes these concerns seriously – and yet doesn't squash the very freedoms and creativity that are needed for it to succeed?

"Innovation policy evokes a tension," says David Guston, director of ASU's Center for Nanotechnology in Society (CNS) in a commentary in the Aug. 21 issue of *Nature*. "How does one predict and direct something that is by nature unpredictable – and, by necessity, often undirected?"

According to Guston, who also is co-director of ASU's Consortium for Science, Policy and Outcomes and a professor of political science, it is

done by strengthening society's ability to nurture and guide innovation within socially acceptable frameworks. He calls this perspective "anticipatory governance." CNS, funded by a \$6.2 million National Science Foundation grant, pursues a research, education and outreach agenda directed at developing this perspective.

In particular, anticipatory governance attempts to correct three unspoken and ill-formed premises in most innovation policy:

- That policy should have a clear cause and effect relationship in society.
- That policy should be grounded on a clear understanding of the natural world.
- That ongoing and occasionally revolutionary change is inherent to the scientific enterprise.

Guston argues that "anticipatory governance" addresses each of these shortcomings by building strengths in engaging the public in scientific and technical questions to inform them and understand their values, creating foresight that can help scientists and the broader public understand and prepare for unpredictable technical change, and developing integrated collaborations between natural and social scientists that can help incorporate these insights into scientific research as it happens.

"At ASU, natural and social scientists are working across all three of these areas to help assure that the research being done and the scientists being trained are as informed about the broader social settings of their research as possible," he says.

The type of work on anticipatory governance that Guston prescribes includes:

- Public engagement – The recent National Citizens' Technology Forum – conducted by CNS colleagues at North Carolina State University ([www4.ncsu.edu/~pwhmds](http://www4.ncsu.edu/~pwhmds)) – included more than 80 lay-citizens at six sites across the country deliberating with scientists on issues about the potential enhancement of humans with emerging nanotechnologies.

- Foresight – The nanofutures project at CNS has led to a Web site (<http://cns.asu.edu/nanofutures>) to allow various groups to explore, consider and develop a variety of scenarios of nanotechnological development.

- Integration – There are a variety of research and educational activities that allow social and natural scientists the opportunity to work closely together, learn from one another and have their research agendas influenced by insights that they all bring to the collaboration.

"Dr. Guston and I have been working together to integrate social, political and natural science in graduate education for more than a decade," says Neal Woodbury, deputy director of ASU's Bionodesign Institute. "Most recently, we have been trying to learn how to actually shape early research agendas in the laboratory to optimize the long term societal outcomes. This is a complex problem and represents an entirely new way of approaching science that we, as natural scientists, are unable to do alone."

While not unique to ASU – other groups like the Woodrow Wilson International Center for Scholars in Washington, D.C., the University of Oxford's James Martin Institute, and scholars in the Netherlands, Belgium and elsewhere are pursuing similar agendas – CNS is perhaps the only research center that is able to create synergies among public engagement, foresight and integration of natural and social sciences to build anticipatory governance, Guston says.

Anticipatory governance "defrays the inherent contradictions of innovation policy, while ensuring that public values and foresight accompany scientific practice, keeping the revolution from turning unproductively against itself and ourselves," he says.

## In BRIEF

### Taylor place grand opening set for Sept. 8

ASU President Michael Crow and Phoenix Mayor Phil Gordon are among the speakers scheduled during grand opening ceremonies for Taylor Place, new student housing at the Downtown Phoenix campus.

The Sept. 8 event, at 8:30 a.m., will take place in the shade garden of the 13-story tower at First and Taylor streets in downtown Phoenix. Tours of the facility will be offered following opening remarks.

The first phase of Taylor Place welcomed students to their new home Aug. 20. In its inaugural year, the first tower will provide 576 beds. An additional 550 beds in a second tower will be available by the fall of 2009. Both towers cover 366,500 combined square feet.

### Engineering faculty to lead discussion

Three Ira A. Fulton School of Engineering faculty members will lead a free public discussion at the Science Café at 5:30 p.m., Sept. 19, at the Arizona Science Center, 600 E. Washington St. The topic will be, "Is Nanotechnology Good for Sustainability ... or Not?"

The speakers are Brad Allenby, Lincoln Professor of Engineering & Ethics, director of the Center for Earth Systems Engineering and Management, and professor in the Department of Civil and Environmental Engineering; George Maracas, professor in the Department of Electrical Engineering, chief operating officer of the Solar Power Laboratory in the Global Institute of Sustainability; and Patrick Phelan, associate professor in the Department of Mechanical and Aerospace Engineering, and the School of Sustainability.

The discussion is sponsored by the Center for Nanotechnology in Society at ASU.

For more information, call (480) 965-7074.

### Campus Health Service slates presentation

ASU's Campus Health Service has unveiled the first monthly "ASU CHS Staff Rounds," jointly sponsored with the Mayo School of Continuing Medical Education-Arizona.

The presentation will take place from 8 a.m. to 9 a.m., Sept. 11, in room 105 of the Pablo Building on ASU's Tempe campus. The presenter is Rebecca Sunen-

shine, deputy state epidemiologist for infectious diseases with the Arizona Department of Health Services. Her discussion topic is "Community Acquired – MRSA."

The College of Medicine, Mayo Clinic, is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians, and this activity has been approved for AMA PRA Category 1 credit.

For more information, contact Patty Drobish at (480) 727-7990 or [patty.drobish@asu.edu](mailto:patty.drobish@asu.edu).

### ASU exchange program seeks applicants

The ASU Melikian Center: Russian, Eurasian, & East European Studies at ASU (<http://melikian.asu.edu>) is accepting applications for its academic exchange with the University of Ss. Kiril and Metodij (UKIM) in Skopje, Macedonia (<http://www.ukim.edu.mk>). Faculty, graduate students and graduating seniors are eligible to apply.

Research and study in Macedonia can be for the full academic year or one semester (fall 2009 or spring 2010).

Under the terms of the ASU-UKIM exchange, ASU exchangees receive a monthly stipend from the host institution. ASU faculty and graduate students are encouraged to apply for grants to offset travel costs and living expenses.

Macedonian language instruction is offered on ASU's Tempe campus through the summer Critical Languages Institute (<http://cli.asu.edu>) for those who may benefit from basic knowledge before traveling.

For information, contact David Brokaw at (480) 965-4188 or [david.brokaw@asu.edu](mailto:david.brokaw@asu.edu), or visit the Melikian Center offices on the fourth floor of Coor Hall. The application deadline is Sept. 22.

### ASU community helps flood-ravaged village

ASU has mobilized an effort in response to a significant need in the surrounding community.

On Aug. 16, flash floods brought on by monsoon rains devastated portions of Havasu Canyon, including the American Indian village of Supai.

The floods required evacuation of more than 400 people, including Havasupai members and tourists. Although tribal members have been allowed to return, the

village has suffered extensive damage.

The village is in dire need of canned and dry foods, as well as bottled water, and members of the ASU community are doing what they can to provide much-needed support and supplies.

Campus drop-off locations and contacts for the food items and bottled water include:

- Tempe campus – Discovery Hall room 320; Michael Begaye, (480) 965-8044 or [mbegaye@asu.edu](mailto:mbegaye@asu.edu).
- Downtown Phoenix campus – UCENT Lobby by garage door; Edwin Gonzalez-Santin, (602) 496-0101 or [egspr@asu.edu](mailto:egspr@asu.edu).
- West campus – FABN 201D; Frances Canavan, (602) 543-7000 or [frances.canavan@asu.edu](mailto:frances.canavan@asu.edu).
- Polytechnic campus – Union building and housing office; Phil Huebner, (480) 727-1036 or [phillip.huebner@asu.edu](mailto:phillip.huebner@asu.edu).

Monetary donations can be made to:

Havasupai Tribal Disaster Fund  
Account No. 7089718444  
Wells Fargo Bank Arizona

### Gammage lost-and-found spans wide range

Anyone missing a pair of pink, glittery shoes? Or a lawn chair? The shoes might be at ASU Gammage, waiting for you in lost and found, while the lawn chair awaits its rightful owner at ASU Kerr Cultural Center.

Audience members often leave behind more than their applause at Gammage and Kerr.

Virginia Fairchild, house manager for ASU Gammage, said the most commonly forgotten item is reading glasses.

"People are usually very quick to call for items of value, such as jewelry and cell phones," she says. "If we are able to trace the owner, we do. Items that are never claimed are donated to charity."

At ASU Kerr Cultural Center, in Scottsdale, people also leave their glasses behind, but many people often walk off without their purses and coats, says manager Jane Samson.

"People will call us to find out if their item is here," Samson says. "Anything that's not claimed is put into a lost-and-found box. We keep things for a year, then donate to charity if possible."

## College of Law climbs national list of best schools for Hispanic students

(Continued from page 1)

Hispanic legal community” is appropriate.

“The growing Hispanic population in the United States is arguably the demographic story of the 21st century,” Berman says. “Accordingly, as we create a new ‘gold standard’ for 21st century public legal education, we at the Sandra Day O’Connor College of Law will continue to be at the forefront of efforts to train Hispanic lawyers of tomorrow while addressing, through teaching and scholarship, the complex issues of law and policy implicated by these broad societal changes.”

The College of Law, which placed seventh on Hispanic Business’ 2007 list, was lauded for giving students opportunities for interdisciplinary courses in its clinical program and in ASU’s new North American Center for Transborder Studies.

“From pre-law to post-graduation,” the magazine reports, these programs “provide Hispanic students the tools to be professionals and leaders.”

In an accompanying article, titled “Creating ‘Hispanic-Friendly’

Campuses: Leading Universities Strive for ‘Critical Mass,’” dean of admissions Shelli Soto and professor Charles Calleros describe the philosophies and practices that are essential to a good law school.

Soto told Hispanic Business reporter Richard Kaplan law schools need a “critical mass” of Hispanic students, in addition to professors who can address legal issues of concern to these students, and a powerful and active Hispanic professional community. Once that occurs, as is the case at ASU, the university becomes a vibrant learning environment, Soto says.

One key to a law school’s success is providing a rich array of opportunities for Hispanic students to interact with other students, faculty, Hispanic professionals and other community members, Calleros says.

For example, the college gained national attention in recent years when faculty, staff and students collaborated to bring the Hispanic National Bar Association’s four-tier mentoring program to the Phoenix area, he says. And, last spring, 90 attorneys, law students and college pre-law students participated on mentoring teams in

the Phoenix-area program, which also provided programming for dozens of high school and junior high school programs.

In the 2008 rankings, only the University of New Mexico School of Law in Albuquerque came in ahead of the College of Law – and, in the process, preserved its place in 2007. Rounding out this year’s top 10 list are American University Washington College of Law in Washington, D.C.; the University of Arizona James E. Rogers College of Law in Tucson; Florida State University College of Law in Tallahassee; the University of Southern California School of Law in Los Angeles; the University of Texas at Austin School of Law; the University of Miami School of Law in Coral Gables, Fla.; George Washington University Law School in Washington, D.C.; and the University of Florida Fredric G. Levin College of Law in Gainesville.

To read more about the list, visit the Web site [www.hispanicbusiness.com/rankings](http://www.hispanicbusiness.com/rankings).

*Magruder, with the College of Law, can be reached at (480) 727-9052 or [jane.magruder@asu.edu](mailto:jane.magruder@asu.edu).*

## Students continue to flock to ASU

(Continued from page 1)

Arizona university of their choice.

- More than one-third are students of color, double the number from five years ago.

- Two-thirds now live on campus, reflecting ASU’s emphasis on living and learning communities that help students succeed academically and reach their goals.

“At ASU, quality and size go together,” says Jim Rund, vice president for university student initiatives. “Our growth in top scholars continues to outpace the overall growth rate. The strength of our academic programs enables us to enroll students that reflect the caliber, talent and heritage of our state and nation.”

“A record number of students are taking advantage of the opportunities for a world-class ASU education,” adds Martha Byrd, dean of undergraduate admissions. “The growth in the colleges at each of our four ASU locations demonstrates the high level of interest in and demand for an ASU degree.”

*Auffret, with Media Relations, can be reached at (480) 965-6991 or [sauffret@asu.edu](mailto:sauffret@asu.edu).*

## Renovated Memorial Union shows off new look to guests

(Continued from page 1)

Union has been central to our campus, offering a gathering place for students, faculty, staff and visitors to engage,” says Kellie Lowe, MU director. “Throughout the renovation, every decision we made was based on meeting the needs of our students and the ASU community. The newly remodeled MU will be an area on campus that our students can enjoy and be proud of.”

The entire building has been brought to current fire code compliance, and a comprehensive fire sprinkler system and fire detection and alarm system were installed. Three existing stairwells were redesigned, and two new stairwells were constructed to add new points of entry and exit, especially during an emergency.

The design team was charged with creating a “collegiate” style that was unique to ASU, one that would evoke the qualities of the desert environment and the forward looking vision and high standards of the New American University.

The design and construction of the 95,000-square-foot renovation was accomplished over a period of five months. The space has been transformed into a bright collection of rooms with ample public corridors and furnishings that evoke formal yet comfortable qualities.

Local and natural materials are used throughout: Arizona sandstone on the corridor walls, Southwest mesquite wood on the Arizona Ballroom, and corridor floors and western Douglas fir wood paneling on the ceiling. Custom carpets were designed featuring the colors of the desert Southwest and even included ASU’s sunburst logo in the ballrooms.

Historically significant spaces such as the Arizona Ballroom and the Alumni Lounge were renovated to evoke their special qualities while bringing the facility up to the highest technical, audiovisual and acoustic standards. Consistent with ASU’s and Studio Ma’s commitment to sustainability, the project anticipates a LEED Silver rating.

Notable achievements include reducing energy costs for lighting by 70 percent (“EcoSysteem” lighting uses environmental sensors to automatically dim lighting); recycling 50 percent of the project’s construction waste; 20 percent of the materials used are recycled content; and 30 percent of all materials are either regionally extracted or manufactured.

Two related projects at the Memorial Union visitors will see that are funded separately from money approved by ABOR for renovation after the fire include a new café, replacing the Maricopa Café on the second floor, and a redesign of the North Plaza.

Engrained café is a sustainable dining and living-learning restaurant committed to locally grown food and environmentally friendly practices. It is funded with capital dollars provided by ASU’s partner, ARAMARK, and opened to the public Aug. 28.

The MU Plaza Project is being funded by University Student Initiatives. Phase I, which included the redesign of the plaza north of the Memorial Union, has been completed. The phase included removing and pouring new concrete throughout the North Plaza, the addition of a performance stage and new landscaping.

*Phase II, which includes the installation of lighted shade canopies and additional seating, is also on schedule and will be completed by the end of January.*

## Algae-based biofuel project nets \$3 million in technology funding

(Continued from page 1)

ing process, which is otherwise necessary for long-chain fatty acids commonly found in animal fat, vegetable oils and typical algae oils.

Heliae Development recently was formed by several out-of-state private equity investors, including individuals who are members of an extremely successful private family business with a long-standing commitment to the environment. Its purpose is to license and develop these algal strains for jet fuel. The company will lease space at SkySong, the ASU Scottsdale Innovation Center.

Under the license agreement with Heliae, AzTE will receive an equity stake in the company along with other standard forms of consideration including licensing fees and a share of any commercialization income. In addition, Heliae will provide research funding of \$1.5 million to ASU

to support further development of the specific algal strains towards commercial production of jet fuel.

The Heliae funding will be matched dollar-for-dollar by a Strategic Research Group award from SFAz, so that ASU will receive \$3 million for the project.

“The world needs sustainable alternative fuel sources, and most critically the airline industry,” says Frank Mars, coordinating investor in Heliae. “Each year, more than 600 million barrels of kerosene-based fuels are refined from petroleum for the U.S. military and commercial jet fleets. Our goal is to help ensure that ASU’s world leading research in this field gets developed to a point that algae is seen as a cost-effective, real-world alternative to our dependency on fossil fuel. Our willingness to partner with ASU on this important project was facilitated by its flexibility and innovativeness in structuring the kind

of collaborative relationship necessary to look long term and to advance technologies into the marketplace.”

“The partnership with Heliae and SFAz reflects ASU’s leadership and research efforts to bring high-value renewable energy sources to the market in an expedient manner,” adds ASU President Michael Crow. “We are supporting an innovative portfolio of multidisciplinary approaches for discovering alternative energy sources that are cost-effective and carbon-neutral. The jet fuel initiative is another example of the high-impact research being conducted by ASU researchers to find disruptive solutions to complex environmental and global problems.”

“We are pleased to support this cutting-edge collaboration between ASU and Heliae to develop aviation fuel from algae,” says William Harris, president and chief executive officer of SFAz. “At a time when significant policy issues

are being raised about the sustained viability of using food stocks to produce biofuel, ASU researchers are at the forefront of renewable energy technologies that conserve high-value land.”

John Mars, an individual investor in Heliae, notes that “this jet fuel initiative with ASU comes at a critical point in the world’s search for alternative fuels that are truly sustainable over the long term. We welcome the opportunity to support this endeavor.”

According to Charlie Lewis, AzTE’s vice president for venture development, “ASU’s investments in photosynthesis and bioenergy research are starting to lead to commercial opportunities for investors and companies searching for green technologies. We already have spinoff companies and industrial collaborations in these areas.”

*Keeler, with Media Relations, can be reached at (480) 965-4012 or [sharon.keeler@asu.edu](mailto:sharon.keeler@asu.edu).*

## EMPLOYMENT

The following positions are available as of Sept. 5 and are subject to change. All positions will be advertised in *Insight* only once. The staff requisition or job order number for each position is indicated by the (#) sign. ASU is an equal opportunity-affirmative action employer.

### ASU POSITIONS

A complete job announcement for classified, administrative and service professional positions at the Downtown Phoenix, Polytechnic, Tempe and West campuses is available on the Human Resources Web page at [www.asu.edu/asujobs](http://www.asu.edu/asujobs), or the Telecommunication Device for the Deaf at (480) 965-3002.

For complete position descriptions and application requirements for academic positions, contact the appropriate department listed below. Faculty, academic professional and graduate assistant positions are also listed on the Human Resources Web sites and details must be obtained from the hiring department. Application deadlines are listed.

Dates listed are application deadlines, and application material is due by 11:59 p.m. on that date. Positions are 100 percent, full-time employment (FTE) unless otherwise noted. Codes below are: (O) – position is open to the public; (L) – position is limited to current ASU, Northern Arizona University, University of Arizona and Arizona Board of Regents employees.

### STAFF POSITIONS

#### TEMPE CAMPUS

##### Professional

**Assistant Director** (O) #20544 – College of Design (Sept. 5).  
**Business Operations Manager** (O) #20641 – VP Research and Economic Affairs (Sept. 9).  
**Coordinator** (O) #20493 – VP University Student Initiatives (Sept. 11).  
**Coordinator** (O) #20633 – VP Research and Economic Affairs (Sept. 12).

**Database Analyst (IT)** (O) #20627 – Biodesign Institute (Sept. 12; every week thereafter until search is closed).

**Export Compliance Officer** (O) #20653 – VP Research and Economic Affairs (Sept. 11).

**Medical Technologist Senior** (O) #20218 – Campus Health Service (Sept. 12).

**Nurse Practitioner (part-time)** (O) #20066 – Campus Health Service (Sept. 12).

**Research Specialist** (O) #20547 – Biodesign Institute (Sept. 12).

**Student Support Specialist Senior** (O) #20728 – College of Liberal Arts and Sciences (Sept. 15).

#### Administrative support

**Office Assistant/Receptionist, Senior-Events Office** (O) #20462 – University Business Services (Sept. 12).

#### Service/field craft/maintenance

**Construction Inspector (Capital Programs Management Group)** (O) #20598 – University Services (Sept. 19).

**HVAC Service Worker-Mechanical Services (Facilities Management)** (O) #20539 – University Services (Sept. 12).

#### WEST CAMPUS

##### Service/field craft/maintenance

**Custodian Lead** #20518 – Facilities Management (Sept. 12).

### DOWNTOWN PHOENIX CAMPUS

#### Professional

**Media Technician Senior** (O) #20714 – College of Nursing & Healthcare Innovation (Sept. 10).

### POLYTECHNIC CAMPUS

#### Professional

**Instructional Specialist** (O) #20639 – Polytechnic Campus, School of Applied Arts and Sciences Chemistry, Physics and Applied Mathematics Program (Sept. 30).

### ACADEMIC POSITIONS

#### TEMPE CAMPUS

**Assistant Professor** #9197 – School of Educational Innovation and Teacher Preparation (Oct. 15; every two weeks thereafter until search is closed).

**Assistant Professor** #9200 – Liberal Arts and Sciences-Political Science (Sept. 15; every month thereafter until search is closed).

**Assistant Professor** #9201 – Liberal Arts and Sciences-Political Science (Sept. 15; every month thereafter until search is closed).

**Assistant Professor** #9202 – Liberal Arts and Sciences-English (Oct. 13; every week thereafter until search is closed).

**Assistant/Associate Professor** #9198 – Liberal Arts and Sciences-History (Nov. 15; every two weeks thereafter until search is closed).

## Grant funds effort to expand computer capabilities

By Joe Kullman

Research that promises technological advances to greatly increase computer processing capabilities will be funded by a \$2 million Science Foundation Arizona grant to support work by scientists and engineers in ASU's Computer Science and Engineering Department and Raytheon Missile Systems.

The project will explore ways to maximize the computational power of multiple-core processor systems. A multiple-core processor is a single chip on which multiple processors (such as a Pentium microprocessor) are integrated.

"Five years ago, a desktop personal computer (PC) consisted of a single microprocessor, such as the Intel Pentium," says Sarma Vrudhula, an ASU engineering professor and director of the ASU Consortium for Embedded Systems. "In the next five years, the main chip on a desktop PC is expected to have upwards of 16 processors. In the not-so-distant future, desktop PCs will have hundreds of processors. This massive increase in processing capabilities will have a profound impact on every facet of human-machine interaction, including medical instrumentation, robotics, transportation systems, smart-home environments, homeland security, aerospace and defense systems, and many other applications that are not yet on the drawing board."

Vrudhula is on ASU's team for the researcher project, along with fellow computer science and engineering faculty members Karam Chatha, Partha Dasgupta and Aviral Shrivastava.

The Raytheon Missile System team will be led by Raytheon principal engineering fellow Reagan Branstetter, who has 36 years of experience in development of high-performance processor systems and embedded missile processors.

The promise of increased performance from massively parallel multiple-core systems hinges upon the development of novel programming ap-

proaches and operating system policies that can effectively harness available computation resources, the researchers say.

In particular, the programming techniques and operating system policies must deliver high performance while addressing the challenge posed by exponential increase in heat dissipation caused by increased integration on a single chip.

The project will focus upon the development of thermal-aware parallel programming techniques and operating system policies for next-generation multiple-core processor systems.

The Science Foundation Arizona funding "provides ASU researchers a valuable opportunity to collaborate with Raytheon to make significant progress on this technology," says Rick Shangraw, vice president of ASU's Office of Research and Economic Affairs.

The joint effort is a fortuitous match, Shangraw says. Raytheon engineers have the experience and understanding of specific computational skills required to address high-performance defense systems issues that can be solved only by using multiple-core processors. The urgent needs of Raytheon Missile Systems enable ASU researchers to have an immediate impact on state-of-the-art defense systems.

Moreover, the objective of this research is to have widespread impact on the design and deployment of multi-core processor systems in all domains, including commercial applications in the embedded semiconductor sector.

"Science Foundation Arizona is happy to support this program," says William Harris, chief executive officer of Science Foundation Arizona. "We believe that software for multichip systems and multicore processors presents an important challenge for industry and an important opportunity for Arizona. We look forward to the exciting advances enabled by this partnership, and we are proud to be partners with Raytheon and ASU."

Kullman, with the Ira A. Fulton School of Engineering, can be reached at (480) 965-8122 or joe.kullman@asu.edu.

## Society of American Archivists honors ASU's Spindler

By Judith Smith

In the mid-1980s, Rob Spindler, now ASU's archivist, was planning to enter a doctoral program in history with his sights on becoming a college professor.

But things were bleak for Ph.D. students in history at that time – too many students and not enough jobs – so he decided, while interning at the MIT Museum, to become an archivist.

"I realized in my work there that you could build a career working with archival materials," he says. "So I chose to leave the doctoral program."

Throughout his career as an archivist, Spindler has been active in the Society of American Archivists on the local, regional and national levels, and for his service in cataloging standards development and records, he has just been named a fellow of SAA. He was honored Aug. 29 during SAA's 72nd annual meeting in San Francisco.

After changing his career path, Spindler earned a master's degree in library and information science from Simmons College, and came to the ASU Library in 1988 as curator of manuscripts.

His early archival jobs convinced him he had made the right choice. As an intern at Polaroid, he discovered a shoebox full – about 125 – of transparencies by Ansel Adams.

"Adams was testing a new Polaroid film for Edwin Land, called Type Type 55P/N which makes positive transparencies," Spindler says. "We authenticated the slides by the A.A. initials written on images of Adams' piano."

The next stop was the Peabody Museum of Salem, Mass., where he worked with archival collections pertaining to maritime history and naval

*"I realized in my work there (at the MIT Musueum) that you could build a career working with archival materials. So I chose to leave the doctoral program."*

*– Rob Spindler, ASU's archivist*

architecture and ethnology.

At the Peabody, he came across a green sea chest in the basement – and, curious, opened it.

"There was a pile of packaged papers, each package tied with a red ribbon," he says. "The papers came from the ship Rajah, which was the first American vessel to sail to Sumatra and return with a cargo of pepper, in 1799."

Ink crumbled and fell off the ship master's letters, cargo manifests and sketchbooks as Spindler unwrapped them, perhaps the first time they had been touched since the 1830s.

Other materials at the museum documented shipwrecks, piracy and insurance claims from hundreds of voyages across the globe.

"That job got me hooked on archives, and I only got through 20 percent of the collection,"

he says.

Spindler came to ASU to learn about using technology to describe large 20th century collections, but what he eventually discovered is that the major problem facing archivists is managing 21st century electronic materials.

"How do you preserve ASU President Michael Crow's blog, or a wiki, for example?" he asks.

Not only is the issue how to save them, but how to make sure they are available for future generations to use. One problem is what Spindler calls "creeping corruption."

As software makers produce update after update of programs such as Microsoft Word, text and formatting errors creep in as the versions are translated from one to another.

For example, the Charles Keating collection, which was given to the university archives several years ago, contains 106 optical disks, which include attorney's notes in the case, Spindler says.

"We tested 12 of the disks, and they all failed," he says.

No one has yet figured out how to read them, so a significant part of the Keating material is, essentially, unavailable.

It's not just archival material that is affected.

"Managing electronic information is one of the most complex and important challenges in higher education today," Spindler says. "Virtually every program and planning decision – from student information systems and online courses, to Web-based manuals and recruitment, to expansion of research efforts – involves creating and managing electronic records."

Smith, with Media Relations, can be reached at (480) 965-4821 or jps@asu.edu.

## Events celebrate Hispanic Heritage Month at ASU's West campus

By Matt Crum

A health awareness fair and events that celebrate the diversity of Latin poetry, theater and dance are in the spotlight as ASU's West campus celebrates Hispanic Heritage Month.

"Latin and Caribbean cultures represent the influences of many different customs," says Lucy Berchini, chairwoman of the Hispanic Heritage Committee at ASU's West campus.

"We want to give the campus and the community at large the opportunity to experience the tremendous variety within the Latin community."

All of the events are free and open to the public, but there is a fee for visitor parking on campus.

The schedule is:

- Por Amor/For Love, 6 p.m., Sept. 15, Second Stage West Theatre in the University Center Building (preceded by a reception at 5 p.m. in La Sala, University Center Building). This one-act musical play, written by James Garcia and Raul Yzaguirre, focuses on the dreams of a young Hispanic man. Garcia is a former faculty member in ASU's New College of Interdisciplinary Arts and Sciences, while Yzaguirre is executive director of the ASU Center for Community Development and Civil Rights.

- A Night of Hispanic Dances, 5-8 p.m., Oct. 3, La Sala, University Center Building. Dancers will perform a variety of Latin and Caribbean dances, including salsa, bachata and merengue, and audience members will have the opportunity to mingle with the dancers and learn new dance steps.

- Health Awareness Fair: 11 a.m.-6 p.m., Oct. 10, multipurpose field/basketball courts south of the Sands Classroom Building. The American Heart Association and Valley Big Brothers/Big Sisters are just two of the many community agencies that will host information tables at this event. The fair features health screenings and details about blood, bone marrow and organ donation. Co-sponsoring groups are the African-American and Native American committees on the West campus.

For more information, visit [www.west.asu.edu/latinoevents/](http://www.west.asu.edu/latinoevents/) or call Lucy Berchini at (602) 543-6091.

Crum, with Public Affairs at the West campus, can be reached at (602) 543-5209 or [matthew.crum@asu.edu](mailto:matthew.crum@asu.edu).

## College of Law pays homage to 6 leaders in Indian gaming rights

By Janie Magruder

Six people who have worked to protect and expand Indian gaming rights since the inception of the Indian Gaming Regulatory Act 20 years ago will be honored this fall by ASU's Sandra Day O'Connor College of Law.

The individuals, named "Pathbreakers" for their leadership in helping tribes achieve economic freedom, will be lauded during a national conference sponsored by the college's Indian Legal Program. "Indian Country's Winning Hand: 20 Years of IGRA" will take place Oct. 16-17 at the Radisson Fort McDowell Resort & Casino in Scottsdale/Fountain Hills. The Pathbreaker's Banquet will take place Oct. 16 in the resort's Courtyard Plaza.

Robert Clinton, Foundation Professor of Law and a co-chair of the conference's planning committee, says Indian gaming has been the "white buffalo of the reservation economies, providing the first successful means of economic self-sufficiency for many tribes since their traditional economies were destroyed or decimated through the processes of non-Indian settlement of their former lands."

The Pathbreakers, who were selected by their peers on a committee comprising leaders of major Indian gaming organizations and programs, have been in the forefront of efforts to restore tribal self-sufficiency and respect for tribal sovereignty, Clinton says.

"They are modern-day warriors who have successfully and selflessly fought important battles for their people without any thought of personal gain – the mark of a true tribal leader," he says.

"We are privileged and honored to recognize and celebrate the important work and accomplishments of these Indian Gaming Pathbreakers."

The six honorees are:

- Frank L. Chaves, former chairman, New Mexico Indian Gaming Commission. Chaves has worked on gaming issues with tribal governments in New Mexico for more than 12 years. A member of the Pueblo of Sandia, he served as the director of economic development for the Pueblo and was co-chair of the New Mexico Indian Gaming Association.

- Richard G. Hill Sr., chairman, Oneida Nation of Wisconsin. For nearly 20 years, the Hill name has been synonymous with Indian gaming and tribal economic development. He is a former chairman and spokesperson for the National Indian Gaming Association (NIGA), and he led a national negotiating team in the 1990s to resolve conflicts over Indian gaming between the states and tribal leaders.

- John A. James, chairman, Cabazon Band of Mission Indians. James has been at the forefront of Indian gaming in California for several decades, from bringing high-stakes bingo to the Cabazon in the 1980s to developing a premiere gaming destination in Southern California. He also is chairman of the Cabazon's Business Committee and a former executive secretary of NIGA.

- Mark Macarro, chairman, Pechanga Band of Luiseño Indians. With the support of the California Nations Gaming Association, Macarro served as spokesman for a number of successful Indian

gaming ballot initiatives in that state. He represents the Pechanga in the National Congress of American Indians (NCAI) and on the board of directors of the NIGA, and is chairman of the Riverside County Sheriff Native American Affairs Commission.

- Clinton M. Pattea, president, Fort McDowell Yavapai Nation. Pattea has served on the Nation's Tribal Council for more than four decades. Arizona's success in Indian gaming often is attributed to the visionary leadership of Pattea, who was involved in negotiations in the 1990s with then-Gov. Fife Symington, who had refused to discuss a compact with the Nation.

- Ernest L. Stevens Jr., chairman, National Indian Gaming Association. First elected in 2001, Stevens is in his fourth term at the IGRA helm. He is a former councilman for the Oneida Nation and former first vice president and treasurer of the NCAI. Stevens recently received the 2008 Gaming Executive of the Year award from the International Masters of Gaming Law.

The conference is a balanced 20-year retrospective of the successes, failures and impact of the Indian Gaming Regulatory Act of 1988. The conference sponsors are offering an early registration rate of \$350 through Sept. 15; thereafter, the rate is \$450 through Oct. 10. Pathbreaker's Banquet tickets are being sold separately for \$100 each through Oct. 8.

To register or order tickets, go to [www.law.asu.edu/ilp](http://www.law.asu.edu/ilp). For more information, call Darlene Lester at (480) 965-7715.

Magruder, with the College of Law, can be reached at (480) 727-9052 or [janie.magruder@asu.edu](mailto:janie.magruder@asu.edu).