

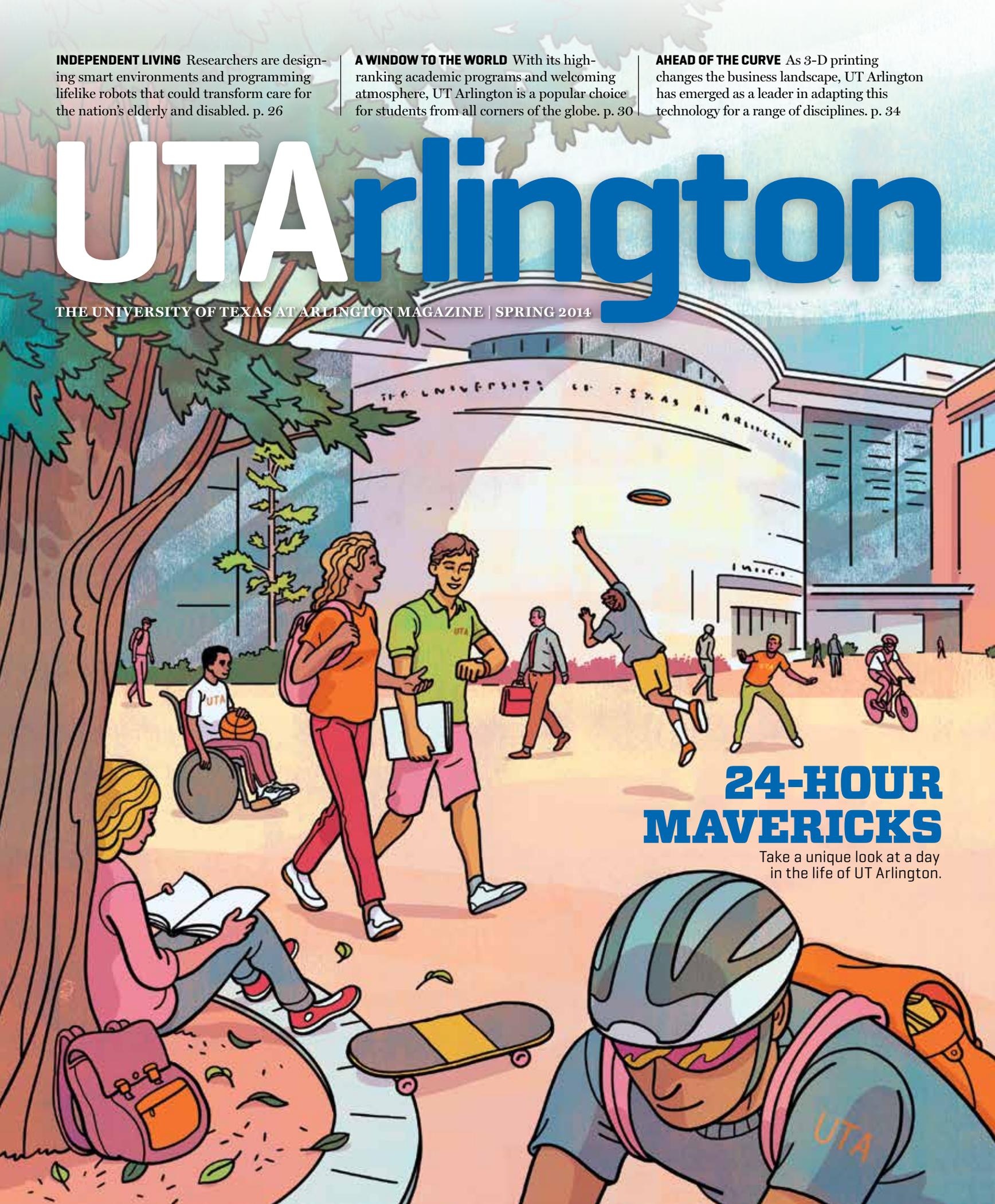
INDEPENDENT LIVING Researchers are designing smart environments and programming lifelike robots that could transform care for the nation's elderly and disabled. p. 26

A WINDOW TO THE WORLD With its high-ranking academic programs and welcoming atmosphere, UT Arlington is a popular choice for students from all corners of the globe. p. 30

AHEAD OF THE CURVE As 3-D printing changes the business landscape, UT Arlington has emerged as a leader in adapting this technology for a range of disciplines. p. 34

UTArlington

THE UNIVERSITY OF TEXAS AT ARLINGTON MAGAZINE | SPRING 2014



24-HOUR MAVERICKS

Take a unique look at a day in the life of UT Arlington.

A DAY AT THE BEACH?

The sand volleyball courts outside the Maverick Activities Center provide a tropical setting for students on a balmy spring afternoon. Salt water and palm trees not included.



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Experts predict 3-D printing will transform the way companies do business. UT Arlington is on the leading edge of this burgeoning industry.

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MIKE DOLABI 39

Starting from nothing, **Iran** native Mike Dolabi has built one of the largest auto body parts businesses in Texas.



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Nursing graduate Stephanie Duncan treats patients aboard a large hospital ship near the **Republic of Congo**.

GLEN WHITLEY 41

Tarrant County Judge Glen Whitley '76 is known throughout North Texas for his tireless community engagement.

Email

BLOWN AWAY

I was born and raised in Arlington, and I can remember when The University of Texas at Arlington was a fraction of the size it is today. It's incredible how much it has grown and changed over the years. But I didn't realize just how much it had grown. Reading the stories of how active the campus is and the depth of its research today in the latest issue, I was blown away. I can't wait to see what the University achieves next.

SCOTT MCCARTHY

Burleson, Texas

REACHING OUT

I just got the latest issue of *UT Arlington Magazine*, and I wanted to write in and say: "Wow!" The amount of work going on at the University lately is so impressive. I was especially glad to read the stories on community outreach. Programs like the GO Centers will really have a profound impact on the future of so many students

Message from the Editor

Alumnus Mike Dolabi was a passenger on one of the last planes to leave Iran before the 1979 revolution. His parents sold their car to send 16-year-old Mike, the oldest of three children, to the United States to get the education they hoped would provide a better life.

Dolabi made his way to Greenville, where he was the only Iranian in the northeast Texas town. He lived by himself as a high school student, took classes with fifth-graders to learn English, and worked at Burger King to make ends meet.

Now 52, Dolabi founded and owns National Autobody Parts Warehouse. After scraping together the initial investment in 1993, he has overseen the company's transformation into one of the nation's premier auto body parts distribution centers (see p. 39).

Like Dolabi in the 1980s, about 3,200 students from other countries attend UT Arlington today in search of a brighter future. You'll meet Tram Cao of Vietnam, Souvik Dubey of India, and Sunil Sahi of Nepal in our story about

who might otherwise have slipped through the cracks.

NENE NWOKO '02
Fort Worth, Texas

STOP AND THINK

"The Tracks of Progress" in the fall 2013 issue was an excellent article! I will now be reminded to be grateful to the railways the next time I have to stop at the Cooper Street railroad crossing.

PRASHANTH RAVI
Arlington, Texas

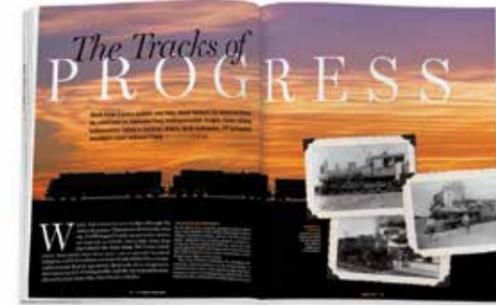
NEW PERSPECTIVE

I had no idea that the history of Arlington is so rooted in the train tracks that can make driving on Davis or Cooper so annoying! It definitely gives me a new appreciation for their purpose. Thanks for the informative read.

MELODY TOLLESON '06
Arlington, Texas

MAVERICK PRIDE

I just wanted to write a quick note to say keep up the good



work! I'm a proud UT Arlington alumnus, and reading the magazine gives me a renewed sense of pride each time. UTA truly is an institution on the rise, and I'm grateful to be one small part of its larger story.

BRYAN RENKEN '07
Midlothian, Texas

READY, SET, GO

I worked at the GO Center when I was a UT Arlington student, and it was a great experience. It's a wonderful resource for high school kids. I even worked with Gabe Escobedo (featured in the fall 2013 issue) when he was a

freshman. Now I'm an English teacher in the Dallas Independent School District and would highly recommend this program to both high school and college students.

JENNIFER TRUJILLO '11
Dallas, Texas

FRESH TAKE

I must admit that I was growing a bit tired of the media blitz leading up to the 50th anniversary of the assassination of President John F. Kennedy. It seemed like all the TV stations and newspapers were covering the event to the point of overexposure. So when I opened the fall issue of *UT Arlington Magazine* and noticed yet another JFK assassination story, I had no plans to read it. However, the "Words of Anguish" headline caught my eye, and I began to read. I found the article to be a poignant and completely fresh take on the topic. Reading the letters from the students, I could feel their anguish over one of the worst tragedies in American history. That the magazine landed in my mailbox a few days before the anniversary was a bonus, giving me a new perspective on an event that forever changed our country.

SAMUEL CRAWFORD
Phoenix, Arizona

YOUR THOUGHTS?

Send letters to the editor to utamagazine@uta.edu, or comment on magazine content at uta.edu/utamagazine.

UT Arlington

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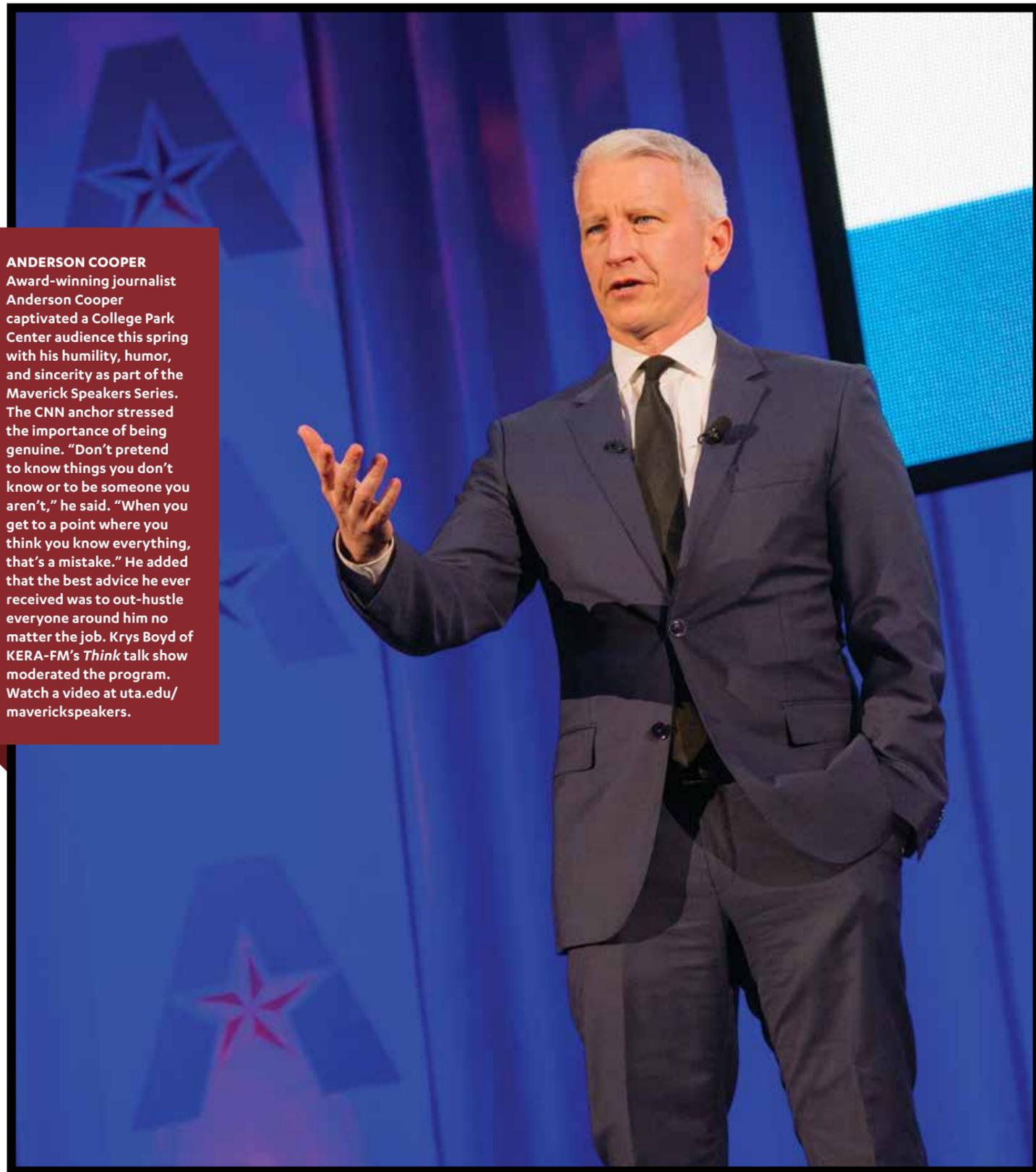
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ON THE COVER

Illustration by Kyle T. Webster



YouTube



ANDERSON COOPER
Award-winning journalist Anderson Cooper captivated a College Park Center audience this spring with his humility, humor, and sincerity as part of the Maverick Speakers Series. The CNN anchor stressed the importance of being genuine. "Don't pretend to know things you don't know or to be someone you aren't," he said. "When you get to a point where you think you know everything, that's a mistake." He added that the best advice he ever received was to out-hustle everyone around him no matter the job. Krys Boyd of KERA-FM's *Think* talk show moderated the program. Watch a video at uta.edu/maverickspeakers.

Tweets

UT Arlington named one of top schools for veterans.
— @georgepbush

Researchers at the University of Texas at Arlington are working on the world's tiniest wind farm that could fit on a grain of rice and charge your smartphone!
— @MISTechnologist

Announcing a great partnership with @utarlington & @ArlingtonPD for students to accelerate the path to college & career. — @ArlingtonISD

Waking up to find out that I got accepted to UT Arlington >>>> Best feeling ever! (:
— @kay_liz17

Great to send out the winningest senior class in UT Arlington basketball history last night on senior night with a huge 80-73 win! #Whatson-YourDoorPost
— @coach_buncik

Special thanks to @utarlingtonSigma for joining us in our fight against the global water crisis! — @ReplenishTW

Someone go to UT Arlington with me so we can share an apartment?? Pls.
— @WizardoPimpn

Just finished signing up for my orientation and over-nighter!!! College is becoming more real!!! Future #maverick UT Arlington class of 2018.
— @Drama_Tiff33

Congratulations to Anne Bavier '70, the new dean of @utarlington College of Nursing!
— @DukeAlumni

I hate when people refer to UT in Austin as UTA. No it's The University of Texas! UTA means UT in Arlington! So get it right! — @Shelton_25

Great win for #UTA baseball as they defeat #15 Sam Houston St.! — @MarcoDuran18

Come see the actual #TX Declaration of Independence for yourself when our new #exhibit opens next week.
— @spcouth

Blessed to do what I love! Found out yesterday that I'll be emceeing the #Mov-inMavspep rally next week!
#GoMavs — @MattSneed

Glass blowing! I'm down! (@ University of Texas at Arlington - @utarlington)
— @pablovalles

I can't say enough how proud I am to represent UT Arlington. It is truly a pleasure to

go on the road and watch my home school play.
— @JoshSours

Yes! UT Arlington Maverick Speakers Series with Nina Totenberg at Texas Hall, Arlington. — @lilauegene

Glass piece on my desk @NBCSportsRadio done by a UT Arlington glass art major.
— @newyscruggs

Attention high school, JUCO, & AAU coaches: If u have a player that takes selfies, please don't ask me 2 recruit him bc #SoftGuysGetYBeat!
— @CoachScottCross

Join @utarlington for panels, screenings & speeches about "Superheroines! Female Heroes in Fact & Fiction."
— @dallaswomensfdn

Is MLB responsible for steroid use? One UT Arlington researcher seems to think so.
— @simyengi

UT Arlington on campus recruiting today from 9:30-1pm RSC 2nd floor near Info desk.
— @TylerJrCollege

UT Arlington research says treadmill workstation benefits employees, employers.
— @DansPlanHealth

Instagram



Clockwise from left:
@missannmai LOL, spotted my sister while waiting to see #Anderson Cooper at #UT Arlington.
@j_chapz This was the fountain at school earlier. #socool
@isyperez The best way to find yourself is to lose yourself in the service of others. ASB is coming for you, Colorado. #UT Arlington #RoadBound #NoSleep



Trending

SANJAY GUPTA
Sanjay Gupta at UTA? Yeppppp — @linet_john

Medicine and Media y'all by Sanjay Gupta. @utarlington #UTAdna — @humaidhee

Great event tonight @utarlington! Really appreciate @drsanjaygupta for coming out! Really inspiring. #MaverickSpeakers — @kyrshook

Listening to #drsanjaygupta answer thoughtful questions from UT Arlington students @maverickspeakers.
— @apcorboy

"Stuff doesn't always work out. I was fired from my first job as a waiter at an all-you-can-eat buffet." -@drsanjaygupta #UT Arlington
— @suzanne_lamb

Fantastic #MaverickSpeakers lecture by @drsanjaygupta at @utarlington.
— @halliecochran

@drsanjaygupta speaks @utarlington, jokes the audience is bigger than #CNN.
— @MonicaNagyFWST

What what? Sanjay Gupta is speaking at UTA tonight? Where? College Park Center at 7:30! And free.
— @tracytyle2111

LET'S SOCIALIZE
Check us out online and on your favorite social media sites. We welcome your comments, posts, tweets, and career updates.

- uta.edu/utamagazine**
Enjoy an interactive experience and view Web-only content.
- facebook.com/utamagazine**
"Like" us and get updates in your newsfeed.
- twitter.com/utarlington**
Follow our tweets for the latest Maverick news.
- linkedin.com/in/utamagazine**
Link in and tell us about your career achievements.

Campus Buzz

UT ARLINGTON AND THE WORLD

Tiny Package, Big Impact

Electrical engineers create novel microscopic windmills to power cellphones

Incredibly tiny windmills may be the next significant innovation in clean energy.

Research associate Smitha Rao and electrical engineering Professor J.-C. Chiao have designed and built a micro-windmill that can harvest wind energy to power batteries. Each device is about 1.8 mm at its widest point, so a single grain of rice could hold about 10. To charge a cellphone, thousands of the windmills would be embedded within the device's packaging to collect energy from the airflow in the environment.

"Imagine that in the future you could put a sleeve on your smartphone, wave it in the air for a while, and then use it again," says Dr. Chiao, who holds the Janet and Mike Greene and the Jenkins Garrett professorships in electrical engineering.

The idea for the micro-windmills came when Taiwan-based WinMEMS Technologies asked Chiao and Dr. Rao for novel device designs and applications for the company's fabrication techniques, which are known in the semiconductor industry for their reliability.

The invention has gained widespread national and international exposure, with coverage by *The Washington Post*, *Time*, *Wired*, *National Geographic*, FOX Business News, and many foreign media outlets. Online

videos of the windmill tallied almost a quarter-million views in three weeks.

The researchers tested the devices in September in Chiao's lab. They can operate under strong artificial winds without fracturing because they're made from durable nickel alloy and have a simple yet smart aerodynamic design.

"The problem that often arises when designing these types of miniature robotic systems is that the materials are too brittle," Rao explains. "With the alloy, we don't have that same issue."

Additionally, the micro-windmills can be produced in an array using batch processes, making them relatively inexpensive. The cost of fabricating one device is the same as making hundreds or thousands on a single wafer.

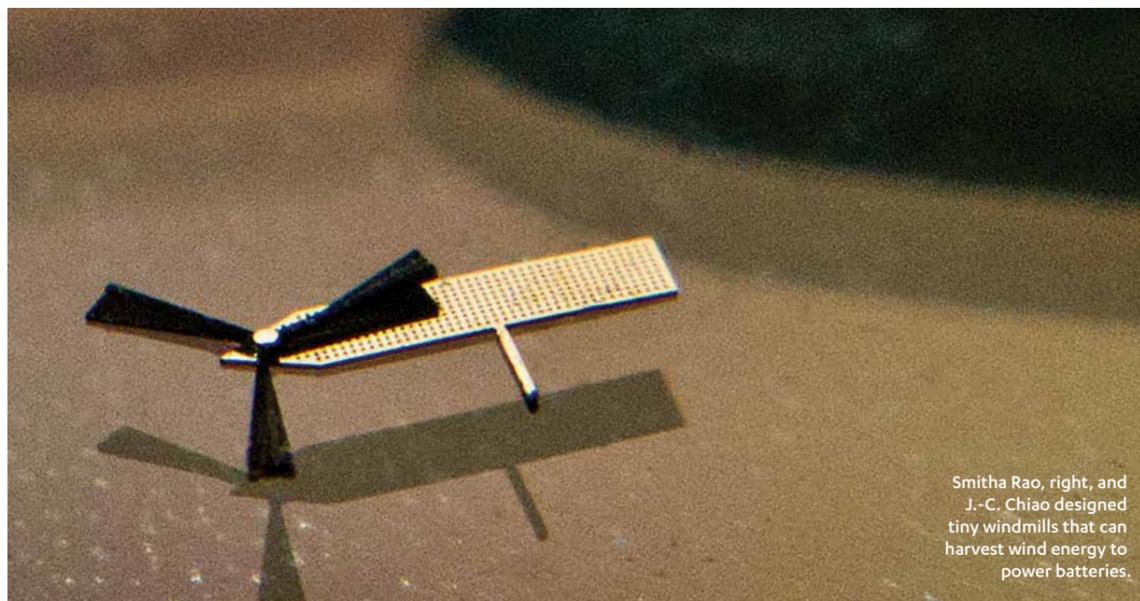
Because of their small size, thousands of windmills could potentially be embedded into flat panels and mounted on the walls of buildings, bridges, or highways to harvest energy for lighting, security or environmental sensing, and wireless communication.

"It's very gratifying to work on something like this where you can see immediately how it might be used," Rao says. "But I think we've only scratched the surface of the micro-windmills' potential applications."

"Imagine that in the future you could put a sleeve on your smartphone, wave it in the air for a while, and then use it again."



Smitha Rao, right, and J.-C. Chiao designed tiny windmills that can harvest wind energy to power batteries.



Lauren McCall, Junior Finance Major and Entrepreneur **Talk**

You started your own business, Celebrate With a Princess, as a freshman. Tell us about it.

I offer kids a genuine experience with a real-life princess—Rapunzel, Mermaid Princess, Desert Princess, Storybook Beauty, even holiday elves. Private parties consist of dancing, storytelling, princess etiquette lessons, interactive games, and more.

Which princess do you identify with the most?

Rapunzel. Her excitement for new opportunities, her passion for her art, and her clumsy demeanor all resonate with my personality. I admire her for chasing her dreams even when she's afraid of the unknown. She's also persistent in her ideals and has a positive outlook on everything.

How do kids react when a princess like Rapunzel shows up at their party?

When I knock, I hear excited screams of joy, followed by "Rapunzel is here? Rapunzel is here!" I often get very big hugs and beaming smiles. Some children are more shy and just watch and stare. Eventually, I get them out of their shells and they don't want to let Rapunzel go. At one party the children had to be reminded by the parents that there were still presents to open. The birthday girl insisted, "No! Rapunzel is here to play! I don't want to open presents!"

What's your favorite part about playing a princess?

I get to live a childhood dream and be a role model for young girls. It's truly a magical experience when a little one tells me I'm the first princess she has ever met. And being a princess, in or out of costume, means being a businesswoman and an entertainer. I love that I can

combine two of my passions in a creative outlet like this.

You're also a Goolsby Leadership Academy scholar.

How has this helped the success of your business?

Everything I've learned at UTA and in the Goolsby Leadership Academy has helped me in every aspect of my life. Through Goolsby, I've been able to improve my leadership skills, learn the value of leading as well as following, and develop confidence in my abilities. And being an active member of the business community, I'm already practicing the things I've learned.

What's next for Celebrate With a Princess?

As I continue to work with my sister company, Sew What?! and its owner, [UTA student] Judith Larson, we hope to incorporate more fairy-tale characters into Celebrate With a Princess. I'm planning to open to the boy demographic as well with Celebrate With a Hero.

If you had to go against any fairytale villain, which one would it be and why?

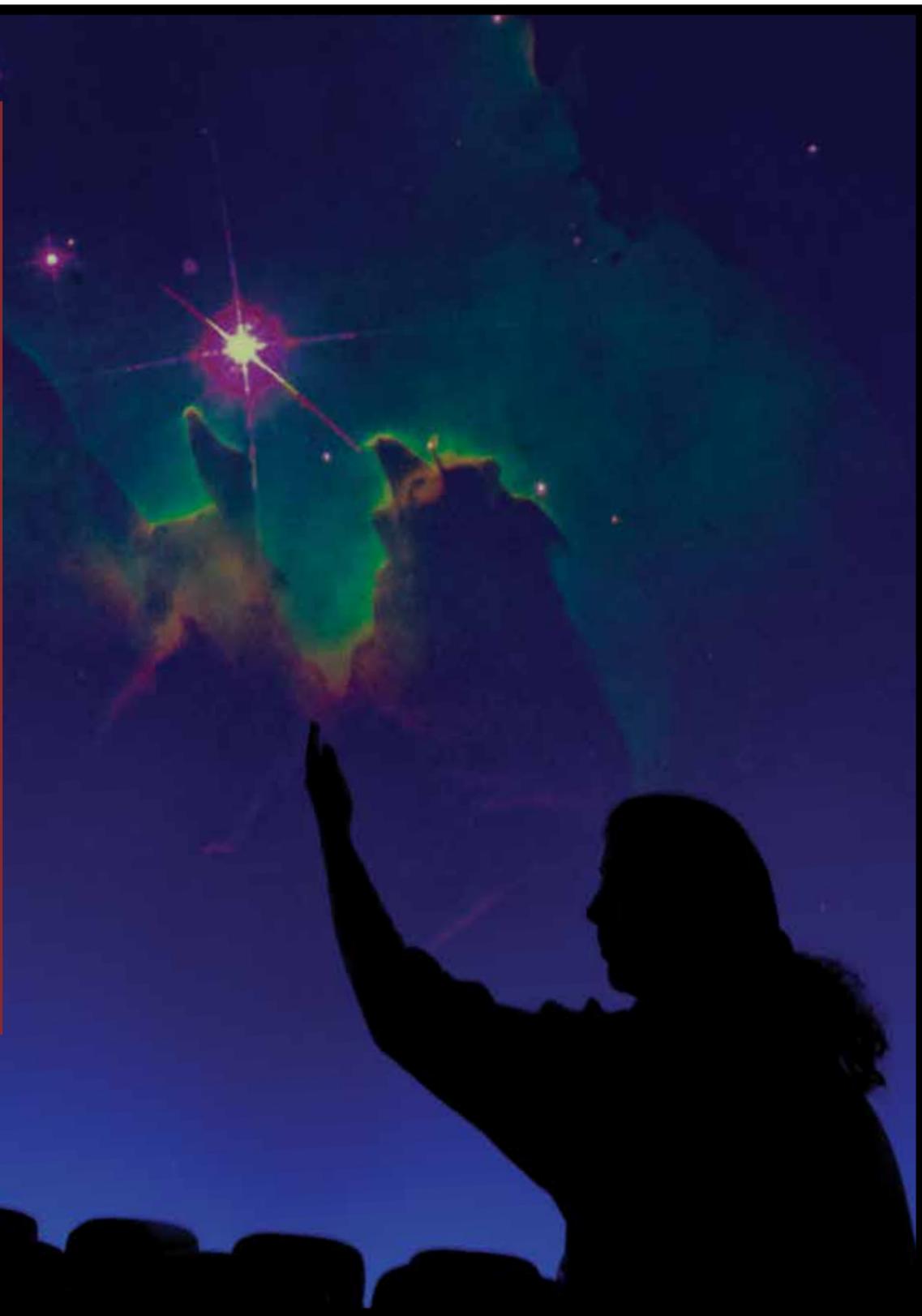
I think the worst of our villains are those who tell us we can't do something. And we all have our real-life villains. Whether that's an inner voice or another person, learning to stand up for yourself is a great triumph in life.



Crash Course Introductory Astronomy

ASTR 1445/46

When the sun goes down, the sky turns into a spectacle of lights. But can you tell a satellite from a shooting star? Know what causes a black hole or a supernova? During physics Senior Lecturer Nilakshi Veerabathina's Introductory Astronomy course, students learn about these and other wonders of the universe. "By studying the cosmos beyond our own planet, we can understand where we came from, where we're going, and how physics works under conditions that are impossible to recreate on Earth," she explains. The first semester covers the movement and properties of bodies within the solar system, including planets, comets, and satellites, while the second semester delves into the science of stars and galaxies. And thanks to UTA's state-of-the-art Planetarium, students get an up-close look at the phenomena they're studying. "I make every effort to include the latest technology to enhance active engagement," Dr. Veerabathina says. "So it's exciting to have the best planetarium in the Metroplex right here on campus."



Renowned scholar named nursing dean



Anne Bavier believes the College of Nursing is poised to reach new heights in research and education. She'll begin leading the way Aug. 1 when she takes over as dean.

A nationally recognized health care educator who has held posts at top-ranked universities and at the National Institutes of Health, Dr. Bavier will oversee the merger of the Department of Kinesiology into the College of Nursing during the 2014-15 academic year.

"It's an exciting undertaking to build on the remarkable achievements UT Arlington has made in nursing and kinesiology to create a bold future for a university destined to

become a nationally recognized research institution," she says.

Bavier previously served as dean of the University of Connecticut School of Nursing and dean of nursing at Saint Xavier University in Chicago. In addition to her higher education experience, she worked as a program director in the National Institutes of Health's National Cancer Institute and as deputy director of the agency's Office of Research on Women's Health.

She earned an undergraduate nursing degree from Duke University and a Master of Nursing degree from Emory University, where she specialized in oncology. She holds a doctoral degree from Duquesne University.

Says President Vistasp Karbhari: "Dr. Bavier will lead us into a new era of national recognition and influence as we work together to improve health and the human condition across Texas and around the world."



MIXING MEDICINE AND MEDIA Do something that frightens you every day. That was among the advice Dr. Sanjay Gupta offered during his Maverick Speakers Series presentation this spring in College Park Center. The neurosurgeon and CNN chief medical correspondent anchors the medical affairs program *Sanjay Gupta MD*. "As part of this job, you do things that scare you for sure," he said. "But you also nurture and foster conversations that otherwise would not be had."



Bright Futures

Early-admissions program targets high-achieving scholars in Arlington schools

An agreement between UT Arlington and the Arlington Independent School District brings the dream of earning a college degree closer to reality for qualified high school students.

Announced last fall, Bound for Success is an early-admissions program aimed at increasing the number of high-achieving high school scholars who complete their college education.

The initiative identifies students ranked in the top 20 percent of their class at the end of their sophomore year for pre-admittance to UT Arlington, contingent upon completing their high school graduation requirements. Nearly 1,500 students have qualified to receive early-admissions acceptance letters from President Vistasp Karbhari.

University admissions counselors will be available weekly at Arlington ISD high schools to help Bound for Success students maximize opportunities to earn college credit through advanced high school courses and guide them toward classes that will best prepare them for college.

UT Arlington also provides specially focused financial aid and college preparation workshops for the students and their families. Students will be invited to attend receptions, lectures, athletic events, and other campus activities to assist their transition to the University.

"A college education can alter an individual's life, but the impact of ensuring that more well-prepared high school scholars advance through the University has the power to transform our communities," Dr. Karbhari says. "Bound for Success will strengthen our workforce and mean that more young people will be prepared to create the knowledge, technologies, and innovation needed to fuel the local and state economies for the future."

Awards

DANIEL ARMSTRONG

The Analytical Scientist magazine ranked chemist Daniel Armstrong No. 16 on its 2013 list of the most influential people in the analytical sciences. Dr. Armstrong, the Robert A. Welch Chair in Chemistry, also received the American Chemical Society Award in Separations Science and Technology for developing novel applications in the separations field.



PING LIU

Physics Professor Ping Liu has been named a fellow of the American Physical Society. Dr. Liu develops high-performance nanocomposite magnets that contain fewer expensive rare-earth materials. The magnets can be used in nearly every industry and consumer device.

MARY LOU BOND

Longtime professor and nursing administrator Mary Lou Bond has been selected to participate in the Fulbright Specialist Program. The international initiative promotes partnerships between U.S. scholars and their counterparts in 140 countries. Dr. Bond recently retired from teaching full time but remains an adjunct faculty member.

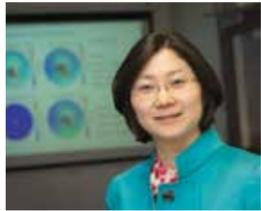
ROBERT MAGNUSSON

The Institute of Electrical and Electronics Engineers has named Robert Magnusson a 2014 fellow for his contributions to a new class of nanophotonic devices. Dr. Magnusson is a professor of electrical engineering and the Texas Instruments Distinguished University Chair in Nanoelectronics.

Grants

RASIKA DIAS

Chemist Rasika Dias is using a National Science Foundation grant to develop chemical processes and technologies based on a better understanding of how metals like gold, silver, mercury, and zinc bind with organic compounds for chemical reactions. Dr. Dias is a professor and chair of the Chemistry and Biochemistry Department.



YUE DENG

Physics Assistant Professor Yue Deng has received a NASA grant to study how space weather such as solar flares affects electrodynamics in Earth's upper atmosphere. Her research could help operators of near-Earth satellites, air traffic radar, and electricity grids better safeguard their systems from bursts of radiation and energetic particles.

BRAD PIERCE

With a grant from the National Science Foundation, chemistry and biochemistry Assistant Professor Brad Pierce is exploring enzymes that regulate human biology. His research has uncovered characteristics that could be used to identify a predisposition to conditions such as heart disease, diabetic ulcers, and certain types of cancer.

KYTAI NGUYEN

Bioengineering Associate Professor Kytai Nguyen has received a \$1.4 million National Institutes of Health grant to create a nanoparticle system to strengthen arterial walls following angioplasty and stenting procedures that treat coronary arterial disease. Dr. Nguyen recently was named a fellow of the American Heart Association.



Young Scientists

Internships spur interest in technology

Devin Doyel graduated from Arlington's Martin High School last year with a set of high-tech skills most people will never learn.

He knew how to use SolidWorks, a 3-D mechanical computer-aided design program employed by engineers worldwide. And he had assisted on numerous advanced research projects, including one to build a structure to hold loose circuits on a robot.

This specialized experience came courtesy of the UT Arlington Research Institute's high school internship program, which enables students from Arlington high schools to work about nine hours a week alongside UTARI researchers.

"My internship with UTARI really helped fuel my interest in science and engineering," Doyel says. "I was pushed out to the edge of technology where I could watch and contribute to advancements."

The internship also helped him choose UT Arlington after graduation. "I became more acquainted with UTA's engineering program. I knew it could get me where I wanted to go."

An engineering freshman, Doyel is now a paid UTARI intern, hard at work on the biodigit, a bioreactor device to advance tissue regeneration in finger wounds.

Eileen Clements, UTARI's research director, says the internship provides hands-on experience that will benefit a career while also promoting a love of science, technology, engineering, and mathematics (STEM).

"Students need to see something that gets them excited, something that shows them how this work can directly and positively impact society," she says. "Any opportunity we have to help students develop a lifelong passion for the STEM areas can have a huge impact on the field of science."

iRehab tool promises individual treatment

A multidisciplinary team of researchers is developing technology that can adapt therapy programs based on a patient's needs and constraints.

The intelligent, closed-loop iRehab comprises modular, multisensor, multi-actuator robotic devices that analyze sensor data collected from an individual's physiological performance, cognitive ability, and brain activity while he or she is doing rehabilitation.

"At its essence, the project is a learning rehabilitation system," says project leader Fillia Makedon, Jenkins Garrett Distinguished Professor and director of the Heracleia Human-Centered Computing Lab. "It collects multisensory data and produces the best possible rehabilitation program guidelines for a patient."

After assessing the data, a physical therapist or physician will be able to enter prescription drug history, diet record, and other information that

may change over time to suggest a therapy program best suited to the patient.

"This makes rehabilitation treatment more effective and helps the clinician better understand a patient's needs, thus personalizing medicine and health care, reducing costs, and putting the patient in control," Dr. Makedon says. "It makes treatment decisions based on quantitative multi-sensing data while the person exercises and helps the medical experts gain a better understanding of the impact of rehabilitation on the person's health. It can also provide remote monitoring, if needed."

The project is part of a three-year, \$1 million National Science Foundation grant. Researchers on the team include Heng Huang and Vassilis Athitsos from computer science and engineering; Robert Gatchel from psychology; and Mario Romero-Ortega from bioengineering.



TUNED IN Despite the widespread movement from CDs and record stores to MP3s and iTunes, record companies remain powerful. Interdisciplinary studies Assistant Professor David Arditi finds that the companies have capitalized on iTunes to maintain the same advantages they held with physical media distribution networks. "Music executives made it sound like this new technology on the Internet was allowing people to steal from them," Dr. Arditi says. "The truth is, they use iTunes and other formats to control music purchases." He notes that industry leaders exploited the advent of Internet file-sharing to strengthen copyright laws, build political capital, and protect the music industry for dominant labels.

Department of Modern Languages Faculty

IGNACIO RUIZ-PÉREZ

The surprise Ignacio Ruiz-Pérez felt when he learned he'd won a coveted international poetry award was understandable. After all, his *Notas manuscritas llenas de incógnitas* (Manuscript Notes Full of Questions) contained what he calls "B-sides" of his work: writings he chose not to include in other books. Nevertheless, the collection received the Ninth Annual Luis Cardoza y Aragón Poetry Prize, which is open to poets from Mexico and Central America. "This prize celebrates one of the most important writers in Spanish-language literature," notes Dr. Ruiz-Pérez, an associate professor of Spanish. The award is sponsored by the Mexican Embassy in Guatemala, the Guatemalan Ministry of Culture, and Fondo de Cultura Económica, a major Mexican publishing house. Ruiz-Pérez is no stranger to international recognition. The Mexico native has received the José Gorostiza Poetry Prize and the Salvador Gallardo Dávalos National Prize for Young Poets. Such awards have helped him publish three books of poetry in Mexico, with two more due this year. But this prize was special. "It was a very unexpected honor," he says. "It reinforces my commitment to literature."



Future Texas High-Speed Rail, 2024



A trip from North Texas to San Antonio requires buying pricey airline tickets or spending five hours in your car along congested Interstate 35. But that could change in the next decade. A feasibility study of high-speed rail shows that travel between certain city pairs using Texas Department of Transportation rights of way could be made in fewer than two hours. Civil engineering Associate Professor Stephen Mattingly evaluated routes between Dallas-Fort Worth and Houston, Dallas-Fort Worth and

San Antonio, San Antonio and Houston, and Houston and Waco. He found that the routes on Interstates 20, 35, and 45 and state Highway 6 could accommodate rail within TxDOT rights of way. "Using existing right of way not only helps bring down the cost of the project, but it shortens the time in which it can realistically be built," he says. The TxDOT-funded study found that high-speed, steel-wheel technology would be the least expensive but would require significant braking at curves. With magnetic

levitation, or maglev, technology, trains could operate at maximum speed for most of the route. Both versions could travel at 186 mph. While the study didn't pinpoint exact costs, it did outline possible funding mechanisms, including federal involvement and public/private partnerships. "There's a strong chance that we could see this within 10 years, but there's no guarantee," Dr. Mattingly says. "I wouldn't want to see any public money committed to an endeavor like this until we know it really is going to happen."

Noted researcher leads new digital learning lab

Internationally known digital learning expert George Siemens has joined UT Arlington as executive director of the new Learning Innovation and Networked Knowledge (LINK) research lab, which explores the demands that learning technologies place on higher education.

The LINK lab investigates how online learning affects the traditional roles of universities, along with the growing influence of data and analytics on higher education. Researchers examine the effectiveness of alternative teaching and learning models such as competency-based programs, badging, and certificate systems.

"Dr. Siemens is highly respected for the wealth of knowledge he brings to making higher education relevant in the digital age," says Samuel "Pete" Smith, vice provost for digital teaching and learning. "His new position will give students and faculty the

opportunity to interact with one of academia's best investigators. It also will allow our university to collaborate with other research institutions at the forefront of student success, digital teaching, and learning."

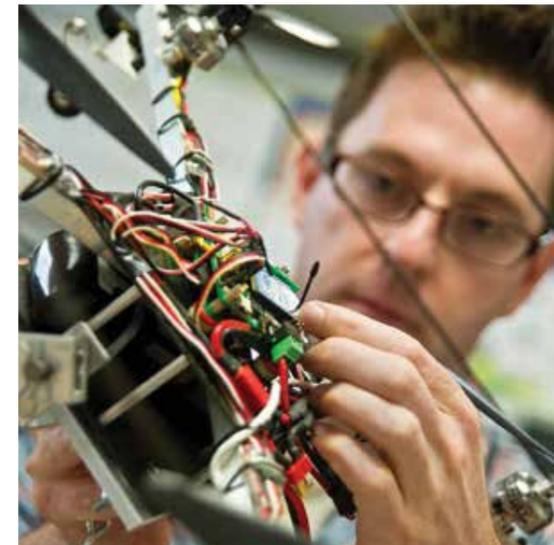
In addition to teaching the first massive open online course (MOOC) in 2008, Siemens directs the Bill and Melinda Gates Foundation-funded MOOC Research Initiative.

"UT Arlington has a very strong online learning component and is well regarded not only in Texas but also nationally," Siemens says. "Systems like UTA are unique in that they're taking a blended or hybrid approach to online education, and that's where the gap in research exists, where we don't really understand how a university should support students who are taking classes both physically and in an online environment. There are some great opportunities there."



CLEAN ENERGY Chemistry Professor Fred MacDonnell, above, and physics Professor Qiming Zhang are among 101 researchers sharing \$49 million in inaugural grants from the National Science Foundation's Sustainable Chemistry, Engineering, and Materials program. Dr. MacDonnell heads a team exploring photosensitive metal compounds as solar-energy collectors and catalysts to convert carbon dioxide into methanol, a valuable fuel source. Dr. Zhang and colleagues are using an iron oxysulfide—iron oxide with a small amount of sulfur introduced—as a building material for next-generation photovoltaic solar panels.

ILLUSTRATION BY STEPHEN DURKE



Air Time

Unmanned aircraft research takes flight

The Association for Unmanned Vehicle Systems International projects that the unmanned aircraft industry will create 100,000 jobs and generate \$82 billion in economic activity in the decade after the aircraft are allowed in general airspace.

UT Arlington Research Institute faculty members Frank Lewis, the Moncrief-O'Donnell chair at UTARI and an electrical engineering professor; Kamesh Subbarao and Atilla Dogan, associate professors of mechanical and aerospace engineering; and Brian Huff, associate professor of industrial and manufacturing systems engineering, will play key roles on a Texas team that will develop safety systems for the sophisticated flying machines.

The professors will develop test beds, hardware, software, and algorithms that enable safe and reliable deployment of unmanned aircraft for civilian, law enforcement, military, and other uses.

They will focus on decision and control systems, dynamic modeling, collision avoidance, positioning, and other issues related to the high performance, human interactions, and safety of unmanned aircraft, or drones.

UTARI is part of a team led by Texas A&M University-Corpus Christi, which the Federal Aviation Administration named as one of the nation's six major test sites for unmanned aircraft systems. Other Lone Star Unmanned Aircraft Systems Initiative members include the Texas A&M Engineering Experiment Station, Camber Corp. of Huntsville, Ala., and the Southwest Research Institute in San Antonio.

Congress has mandated that unmanned aircraft be integrated into the national airspace by 2015. Dr. Subbarao says the goal appears to be reachable.

"We just have to make sure that unmanned aviation systems integrate well with existing aircraft and buildings," he says.

Press

DANIEL SLEDGE

National Public Radio's *Morning Edition* reported on efforts to eliminate malaria and included comments from political science Assistant Professor Daniel Sledge. He recently analyzed what factors helped eliminate malaria in the rural South in the 1930s.

DANIEL LEVINE

A *Chicago Tribune* article about a large Mega Millions jackpot featured comments from psychology Professor Daniel Levine. He said people often make decisions in terms of what's possible rather than what's probable.



KATHRYN HOLLIDAY

Architectural historian Kathryn Holliday was among the experts quoted in a *New York Times* story examining the Renzo Piano Pavilion, the sustainable expansion of the Kimbell Art Museum in Fort Worth. Holliday is the director of the David Dillon Center for Texas Architecture at UT Arlington.

BEN AGGER

In a *USA Today* story, sociology Professor Ben Agger said a recent drunken driving fatality case involving a privileged Texas teen might change parenting decisions. The accident killed four people. The teen received probation after his attorneys blamed the crash on "influenza."

LAUREL SPRINGER MAYO

U.S. News & World Report quoted Laurel Springer Mayo in an article about what students should consider before enrolling in online courses. She is the director of the Learning Innovation and Networked Knowledge research lab.

Service

VETERANS GRANT

A recent grant from JPMorgan Chase will help UT Arlington fund educational opportunities for military veterans. The gift will allow the University to expand its successful Student Veteran Project, which offers free, specialized admissions and counseling services to undergraduate veterans who want to return to college. Veterans Administration surveys show that UT Arlington has one of the largest populations of student veterans and active duty military personnel in Texas.



Better Business

Marketing expert Elten Briggs finds shared ethnicity may help bottom line

Want to increase your customer base? Increase your employee diversity. That's the conclusion of a study by marketing Associate Professor Elten Briggs in the *Journal of Business Research*.

He and co-author Detra Montoya of Arizona State University found that service-oriented businesses that want to succeed with minority customers should hire front-line employees from those ethnic groups, particularly if the businesses cater to Hispanics or Asians.

The researchers used an experiment and a survey to analyze the influence of shared ethnicity on consumer behavior, ultimately concluding that members of Asian and Hispanic cultures are more "collectivist" than members of Western cultures in how they emphasize the social self and connectedness to others. For this reason, they may be more susceptible to the effects of shared ethnicity in the marketplace.

"The study shows that if I work for a service or sales company, my company should reflect the audience I am seeking," Dr. Briggs says. "When customers share the same ethnicity with their salesman or customer service agent, they generally have a more favorable perception of the business."

The influence of culture on interactions between contact employees and customers is becoming increasingly important as marketplaces worldwide continue to diversify. Though recent research emphasizes the drawbacks of individual cultural differences, it largely overlooks potentially positive effects of congruency between contact employees and customers.

"The future of business is multicultural and will involve an increasing diversity of the customer base of many firms, both within the United States and internationally," College of Business Dean Rachel Croson says. "The businesses that succeed will be those that understand how to customize the experience they give these customers. Dr. Briggs' work identifies how to do this effectively."

Using technology to improve transportation

Rush-hour traffic has confounded commuters for decades. And realistic, affordable solutions have proved hard to find.

That's why the U.S. Transportation Department has established a series of University Transportation Centers (UTCs) throughout the country. Among those receiving grants was the Research Center for Livable Communities, which includes UT Arlington and several other universities. It focuses on finding advanced technologies to improve public transportation and developing alternative transportation modes to create more "livable communities."

Civil engineering Associate Professor Stephen Mattingly is one of several UTA researchers involved. He's studying the public health effects of safe routes to schools and how social media can be used to create and maintain walking school buses for elementary schools.

"The aim of the research is to think differently about transportation solutions," he says. "We can't continue to build lanes of highways. There have to be more comprehensive, livable solutions out there."

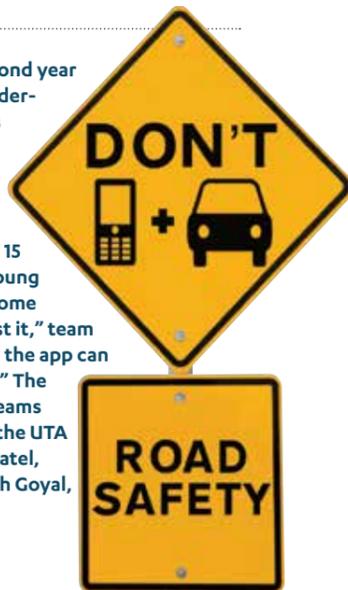


For instance, Dr. Mattingly says his group might establish performance measures for assessing the health impacts of transportation or demonstrate how social media users can encourage more sustainable commuting practices.

"We can use technology to enable different lifestyle choices that don't require car ownership. By understanding people's needs, we can start shifting the importance of transportation systems from public services to improving the community and public health."

Through the UTC program, the Transportation Department will distribute about \$63 million to 33 transportation research centers at colleges and universities nationwide.

WINNING CODE For the second year in a row, a team of UT Arlington undergraduate engineering students has claimed first place and \$10,000 at the AT&T Coding Contest. The students' cellphone app discourages motorists from reading text messages when driving faster than 15 mph. "A lot of people, especially young people, text and drive every day. Some cities have even passed laws against it," team leader James Fielder says. "We feel the app can make a difference in peoples' lives." The 12-week competition involved 25 teams nationwide. In addition to Fielder, the UTA contingent included Keyurkumar Patel, Zedd Shmais, Kevin Chung, Sidharth Goyal, and Andrew Toscano.



Allies in Youth Development **Community**



INTERNATIONAL AID Often isolated and lacking the love and resources to be successful adults, Russian orphans are at a disadvantage when they leave orphanage care. Allies in Youth Development, a Mansfield-based nonprofit, is working to change things. Tatiana Baeva, left, a UT Arlington Russian language lecturer, is director of Russian operations for the organization. She and UTA students travel to Russia to teach and mentor orphans while supporting local Russian university students who work with the children regularly. Allies in Youth Development also collects essential items for transitional homes, which typically house 20-40 children ages 4-18 before they're sent to orphanages or returned to their families. Elizabeth Wilson, an international business junior, traveled with a small student group last year. "It was a good chance to experience the culture firsthand," she says. "Meeting those children who have so little and yet were so happy to have us there was beautiful."

Gallery *Illegal Aliens*

CARLOS DONJUAN
Alumnus Carlos Donjuan was a kid when he first heard the term “illegal alien,” and its meaning confused him. “I wondered what an illegal alien was supposed to look like. I imagined all kinds of weird creatures, animals, and hybrid figures.” As he got older, the Mexico native understood the term’s negative connotations. “I was heartbroken,” he says, “because people were talking about me.” Donjuan ’06, a senior lecturer in the Art and Art History Department, has come to appreciate the sacrifices his parents made to provide better opportunities for him and his brothers, and he funneled these experiences into his *Illegal Aliens* series. “The paintings deal with both my childhood memories and the journey that people from all over the world take in order to have a better future,” he says. “They are more for me to remember my family’s experiences but are also open to the public’s interpretation. They can be about whatever you want them to be.”



Clockwise from top: “Indio,” “Los Niños Ilegales 2,” and “San Jacinto”



Study sheds light on malaria epidemic

Looking to the past may help scientists better understand a potentially deadly problem in the present.

In a recent study, political science Assistant Professor Daniel Sledge revisited the rapid and dramatic demise of malaria in the American South during the 1930s, challenging scholars who have argued that the movement of Southern tenant farmers away from mosquito breeding grounds was the main reason for the decrease in malaria cases during the decade.

“Instead, we found that targeted public health interventions, supported by the federally backed development of state and local public health infrastructure, led to the decline of malaria despite widespread and deep-seated poverty,” Dr. Sledge says.

He and co-author George Mohler of Santa Clara University point specifically to the federal Works Progress

Administration’s decision to drain millions of acres of land and the creation of local public health infrastructure as central factors.

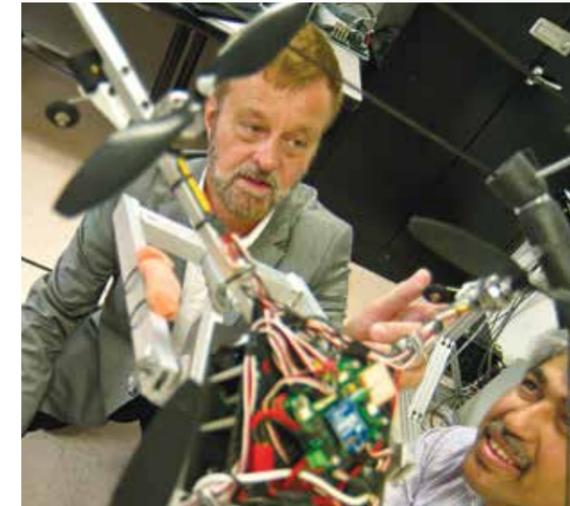
The study, published in the *American Journal of Public Health*, could help confront modern-day malaria problems in parts of Africa, Central and Latin America, and Asia.

The infectious disease, transmitted by the bites of infected mosquitoes, killed an estimated 1.24 million people worldwide in 2010 and has devastated economies in the heavily populated, warm-climate regions of the global south.

“The work has far-reaching implications for those who work to eradicate malaria and similar diseases,” says Beth Wright, dean of the College of Liberal Arts. “Huge challenges remain, but such research brings about better understanding of potential solutions and could ultimately help save lives.”



BEST-LAID PLANS When it comes to bullying, ignorance may in fact be bliss. A recent study by researcher Seokjin Jeong found that students who attend schools with anti-bullying programs are more likely to be bullied than those who attend schools without such programs. “One possible reason is that the students who are victimizing their peers learn the language from these anti-bullying campaigns,” explains Dr. Jeong, a criminology and criminal justice assistant professor. “The schools with interventions say ‘you shouldn’t do this’ or ‘you shouldn’t do that.’ As a result, students know what to do or say if they are questioned by parents or teachers.” *The Journal of Criminology* published the study.



Novel Approach

Frank Lewis among four inducted as fellows of National Academy of Inventors

The National Academy of Inventors (NAI) claimed four more UT Arlington faculty members and administrators for its newest group of fellows.

The inductees are Frank Lewis, electrical engineering professor and a University Distinguished Scholar Professor; Carolyn Cason, nursing professor and vice president for research; Ronald Elsenbaumer, chemistry and biochemistry professor and provost and vice president for academic affairs; and UT Arlington President Vistasp Karbhari, professor of civil engineering and of mechanical and aerospace engineering.

They join colleagues Khosrow Behbehani, Nai Yuen Chen, George Kondraske, and Robert Magnusson, who were inducted in the 2012 inaugural class.

“UT Arlington has a tremendous set of accomplished faculty who are internationally recognized in their fields of research,” Dr. Karbhari says. “My colleagues are distinguished not only by their patents and discoveries, but by their dedication to sharing innovation with the global community and enabling the translation of fundamental research into practical applications.”

Dr. Lewis is an expert in feedback control systems, cooperative multi-agent systems, neural networks for control, and related fields. Dr. Cason has worked to increase innovation and diversity in the health care workforce throughout her career and holds a patent for a cardiopulmonary resuscitation sensor that has been commercialized.

Dr. Elsenbaumer is considered an early leader in the field of electronically conducting polymers, while Karbhari’s research on composite materials has applications in infrastructure rehabilitation, crash-energy management, and biomedical materials.

NAI fellowships are awarded to academic pioneers who have demonstrated a spirit of innovation in creating inventions that benefit society.

Numbers

38,000

Strong growth in the College of Engineering and sustained demand for College of Nursing programs propelled spring enrollment to a record 34,249 students. Enrollment that includes online students who live outside Texas reached nearly 38,000.

135

Education Professor Mary Lynn Crow, mechanical and aerospace engineering Professor David Hullender, and Librarian Joan Martinek have a combined 135 years of UT Arlington service. Each has worked at the University for 45 years.

5th

UT Arlington’s Formula SAE race car program is ranked fifth of 513 teams in the latest Formula Student Combustion World Rankings. The program is the highest rated of any U.S. Formula SAE team. Mechanical and aerospace engineering Professor Bob Woods advises the student group.

7,383

Hispanic student enrollment reached an all-time high of 7,383 last fall. That represents a 60 percent increase from five years ago.

178,579

UT Arlington awarded a record 9,466 degrees last year. Throughout its history, the University has conferred 178,579 degrees. The breakdown: 130,468 bachelor’s, 45,336 master’s, 2,775 doctoral.

Champs

MEN'S CROSS COUNTRY

The men's cross country team won the Sun Belt Conference championship last fall in its first year in the league. Five Mavericks placed among the top seven finishers, led by Craig Lautenslager in second and Ryan Tilotta in third. Lautenslager earned all-region honors by finishing 17th at the NCAA South Central Regional.



CHARMAINE WHITMORE

Senior middle blocker Charmaine Whitmore led the nation in blocks per set last season with 1.81. A first-team All-Sun Belt Conference selection, the University of Arkansas transfer led the Mavericks to a 19-15 record and second place in the SBC tournament.

WOMEN'S CROSS COUNTRY

The women's cross country team posted a cumulative 3.39 GPA to earn 2013 All-Academic Team honors from the U.S. Track and Field and Cross Country Coaches Association. To qualify, teams must earn a 3.00 or higher GPA and compete in the NCAA Regionals. The women finished second in the Sun Belt Conference last season.

MICHAEL CHOICE

Former Mavericks outfielder Michael Choice is now a member of the Texas Rangers. The Oakland A's traded the 2010 Southland Conference Player of the Year to the Rangers in December. Choice is UT Arlington's career home run leader and was the 10th overall selection in the 2010 Major League Baseball draft.

Men's track captures indoor Sun Belt title

The men's indoor track and field team delivered a record-setting performance to win the Sun Belt Conference Championships in February in Birmingham, Ala.

The Mavericks amassed 185 points, breaking a 20-year-old conference record, to outpace two-time defending champion Western Kentucky by 36 points.

"We had a lot of kids come through with peak performances at the right time. That's how you win a championship," head coach John Sauerhage said. "It's very satisfying to have a team compete to the best of its ability and come out on top."

Among the standouts was Emil Blomberg, the meet's top scorer with 28 points. He posted victories in the mile run and 3,000 meters and finished second in the 5,000 meters to teammate Ryan Tilotta, who was runner-up in the mile and the 3,000.

"I never dreamed of getting 28 points," said Blomberg, a junior from Jarfalla, Sweden, who owns the school record in the 3,000-meter steeplechase.

Senior sprinter Clayton Vaughn clocked a 6.66 to earn his third consecutive 60-meter title, each coming in a different conference. Other first-place finishers were Philip Critelli in the 800 meters and Omar Barnes in the triple jump. Roland Sales was second in the high jump with a leap of 7 feet, 1 inch, equaling a school record.

The women's team finished sixth, with Tamerah Gorham (800 meters) and Hannah Nilsson (mile run) capturing individual titles. A freshman from Arlington's Lamar High School, Gorham posted a 2:09.24 to set an SBC Championships record. Nilsson's time of 4:54.33 was the third fastest in UT Arlington history.



Movin' Forward

Wheelchair basketball team looks to next year for eighth national championship

The loss still stings, but Movin' Mavs head coach Doug Garner has shifted his focus to next season.

UT Arlington dropped a 55-54 heartbreaker to Wisconsin-Whitewater in the championship game of the 2014 National Intercollegiate Wheelchair Basketball Tournament in March at College Park Center. But Garner believes 2015 could bring his team that elusive eighth national title.

"I'm optimistic about where we'll be next year," he says. "We're already talking with our athletes about what they need to do for us to be successful. Everybody's back in the gym, working hard."

That includes Andy Kraft, a second-team All-American who averaged 21 points and seven rebounds this season, and fellow big man Jan Gans, who averaged 23 points and nine rebounds. But the team must carry on without first-team All-America guard Jorge Sanchez and his 16 points and eight assists per game.

"All of our big guys are coming back next year," Garner says. "We just have to develop our guards a little bit more."

The Movin' Mavs posted a 22-2 collegiate record during the 2013-14 season, with the only two losses coming to Wisconsin-Whitewater by a combined eight points. They also defeated UWW twice during the season.

UT Arlington routed Missouri, 63-32, in the semi-finals but fell one point short in the title game when Gans' desperation shot at the buzzer tricked off the rim. Kraft led the team in scoring with 19 points, followed by Sanchez with 17 and Gans with 13.

"We should be near the top again next year," Garner says. "Our goal is to get back in that championship game. And win it."



POINTS MAN Senior guard Reger Dowell spent only one season at UT Arlington, but the Oklahoma State transfer made it count. The Duncanville native averaged 20.3 points per game to lead the Sun Belt Conference in scoring. A first-team All-Sun Belt and All-Tournament selection, Dowell scored in double figures in 28 of 29 games and hit the 20-point mark 15 times. He notched a career-high 37 against Western Kentucky, the ninth best single-game total in school history. The Mavericks finished the 2013-14 year with a 15-17 record and a 10-10 mark in their first season in the Sun Belt Conference.

Track and Field Sports



CLAYTON VAUGHN

With the obstacles he has overcome, you'd think Clayton Vaughn was a hurdler. Instead, he's one of the nation's premier sprinters. His 60-meter time of 6.55 seconds ranked first in the NCAA this season and fourth in the United States. But his journey to the top has been bumpy. Last year a stress break of his fibula sidelined Vaughn for much of the 2013 outdoor season. His long road back took a much tougher turn last Thanksgiving when his mother died unexpectedly. "Everything I've tried to do this year has been for my mom," the senior from Sulphur Springs says. "Even in practices when I'm tired, I just figure I've dealt with worse. It just pushes me further." Vaughn won his third consecutive 60-meter conference title at the Sun Belt Indoor Championships in February, but a hip injury forced the two-time All-American to miss the NCAA Indoor Track and Field Championships. The latest setback didn't keep him from clocking a UTA-record 10.07 in the 100 meters this spring. "As long as you have the drive and dedication to do something," he says, "you can do it."

24 HOURS AT UTA

Scenes from a day in the life of UT Arlington offer fresh perspectives on a campus buzzing with energy.

BY ITS NATURE, a thriving research university like UTA bustles with an endless array of activities. No matter the time—day or night—somebody is doing something on campus. You're sure to see professors lecturing, scientists conducting laboratory experiments, and students studying or hanging out. But some things aren't as visible: a team receiving locker-room instructions from its coach, the College Park Center video display lowered to ground level for inspection, the inner workings of a massive computing center. Enjoy this unique snapshot of 24 hours in Maverick Country.

6:11 am



EARLY EXERCISE The running track at the Maverick Activities Center is busy from opening until closing. The MAC draws about 4,000 visitors a day to its workout facilities.

7:32 am



GROWTH SPURT A groundskeeper attends to flowers and ferns in the University's greenhouse, which supplies plants for campus events.

8:46 am



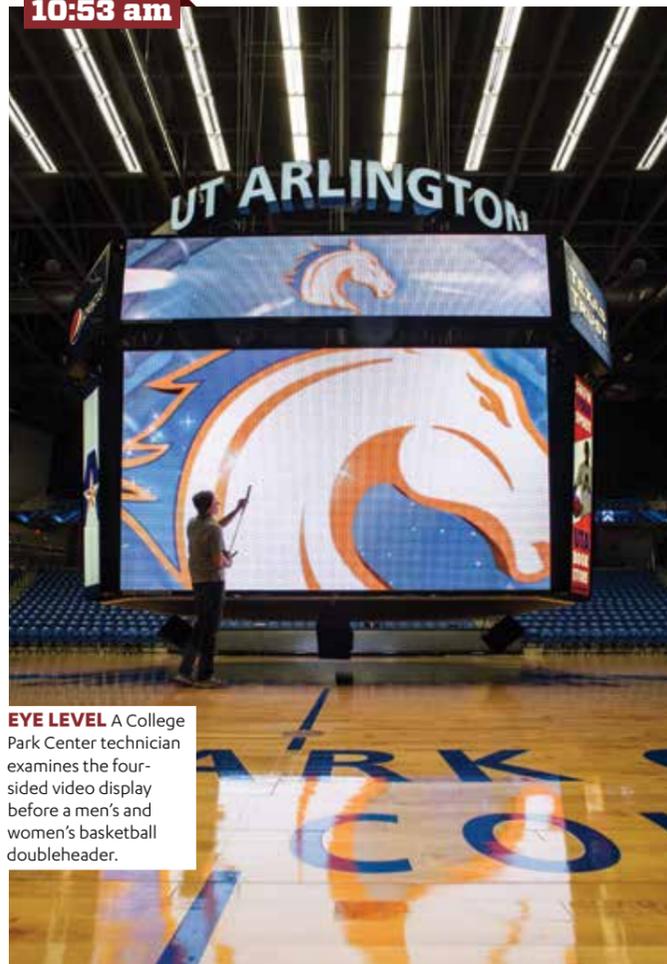
LIGHTING THE WAY Sunlight from a window in the Chemistry and Physics Building casts shadows on students walking to class.

9:01 am



MORNING JOLT The Starbucks coffee house in the E.H. Hereford University Center is a popular gathering place for students, faculty, and staff.

10:53 am



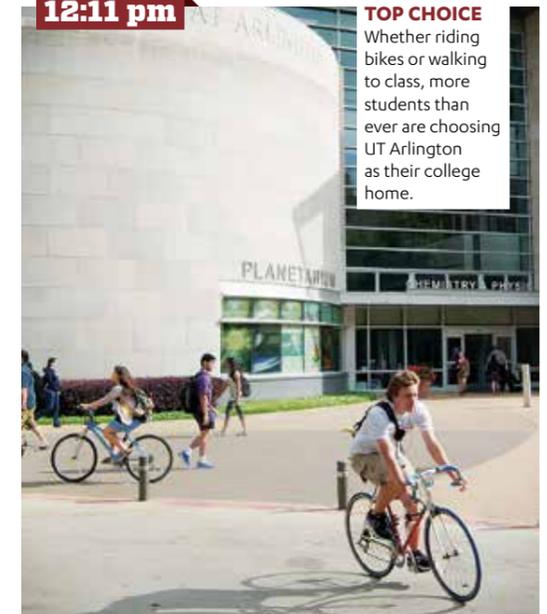
EYE LEVEL A College Park Center technician examines the four-sided video display before a men's and women's basketball doubleheader.

11:40 am



SCHOOL SPIRIT A student puts the finishing touches on his art project on the Central Library mall.

12:11 pm



TOP CHOICE Whether riding bikes or walking to class, more students than ever are choosing UT Arlington as their college home.

1:17 pm



IMPARTING KNOWLEDGE Professors consistently garner national and international recognition for their classroom innovations. Chemistry and biochemistry Lecturer Seiichiro Tanizaki is among 42 UT Arlington faculty members to receive the prestigious UT System Regents' Outstanding Teaching Award since its establishment in 2008.

3:09 pm



COURT SENSE Men's basketball coach Scott Cross diagrams a play before practice. The 2013-14 season marked the first in the Sun Belt Conference for all 14 of UT Arlington's NCAA Division I athletics teams.

2:05 pm

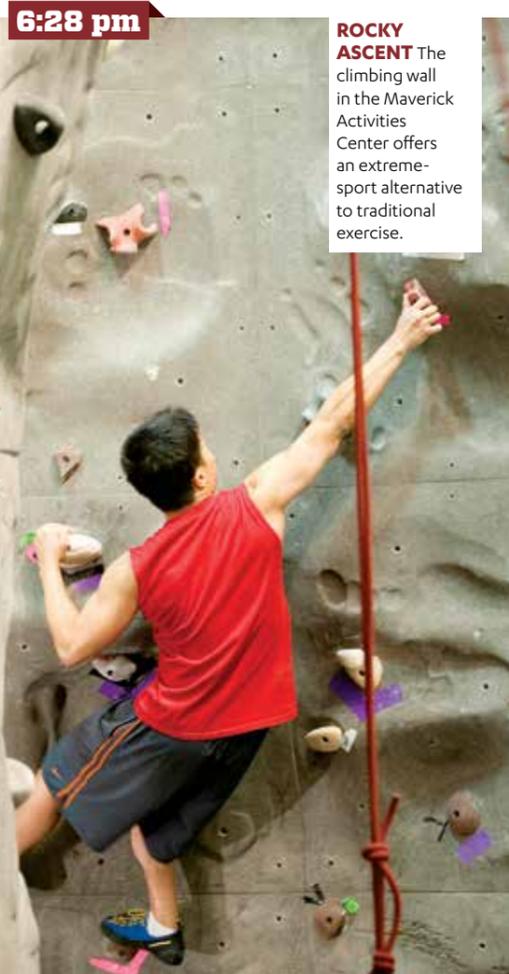


EXPLORING MAVERICK COUNTRY A campus tour begins in the high-tech Dan Dipert University Welcome Center in the College Park District.

5:44 pm



HANDS OFF Flag football is among the University's most popular intramural sports. More than 1,700 students participate in intramurals each year.



6:28 pm
ROCKY ASCENT The climbing wall in the Maverick Activities Center offers an extreme-sport alternative to traditional exercise.

HOME AWAY FROM HOME Students play video games in Arlington Hall, the largest of UT Arlington's six residence hall communities. About 5,100 students live in University-owned housing, and about 10,000 live within five miles of campus.

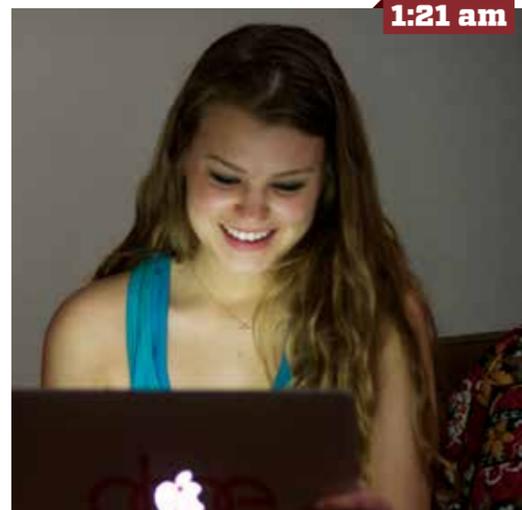


7:12 pm

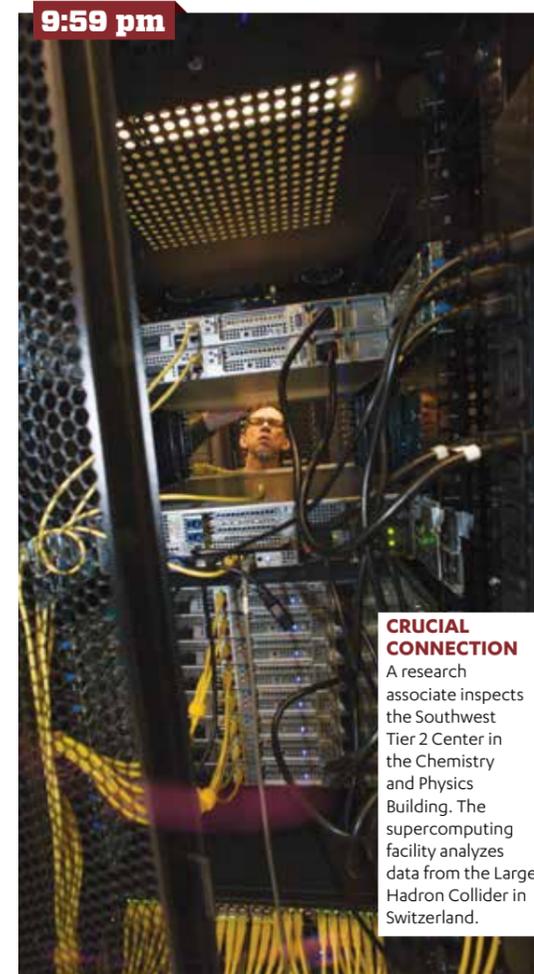


8:00 pm
ALWAYS ON THE AIR "Online, all the time" is the motto for UTA Radio, a student-run Internet station featuring local, national, and international indie rock. News and sports also play a major role in the 24/7 operation.

LAPTOP OF LUXURY You can't beat the convenience of online offerings. About 30 percent of UT Arlington students are enrolled exclusively in online courses, and about 42 percent take at least one distance education class.



1:21 am



9:59 pm
CRUCIAL CONNECTION A research associate inspects the Southwest Tier 2 Center in the Chemistry and Physics Building. The supercomputing facility analyzes data from the Large Hadron Collider in Switzerland.

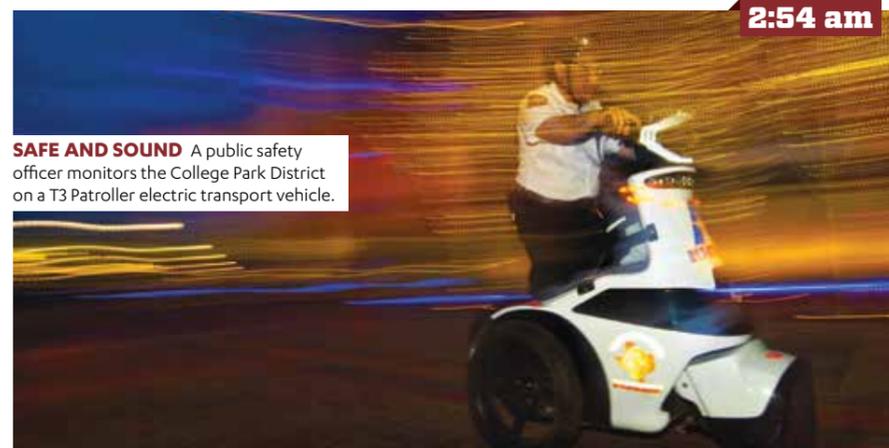


MIND MELDING Study rooms in the Central Library provide students with a quiet space to work on group assignments. The building is open continuously for most of the week.

10:43 pm



11:22 pm
CENTER OF DISCOVERY It's not uncommon to find researchers in their labs late at night, working on breakthroughs in medicine, energy, and other critical fields.



2:54 am
SAFE AND SOUND A public safety officer monitors the College Park District on a T3 Patroller electric transport vehicle.



4:45 am
POWER PLAY A worker replaces a part for a pump in the basement of the Thermal Energy Plant.

Into the Arms of Technology

UT Arlington scientists are on the leading edge of assistive living research, designing smart homes and programming lifelike robots that could transform care for the elderly, disabled, and injured.

BY SARAH BAHARI • ILLUSTRATION BY JAMES STEINBERG

THE ROOM IS BRIGHT and tidy, with a sink and microwave in one corner and a washer and dryer in another. A frying pan sits on the electric stove next to a couple of spatulas. A refrigerator hums. At the center of the room, PR2, a tall, sleek robot, renders a remarkable vision of the future. Researchers in the Living Laboratory at the UT Arlington Research Institute are developing a robot that can manage everyday tasks like washing dishes, doing laundry, even frying an egg.





HELPING HANDS
Right: The PR2 robot can perform everyday tasks like pouring a glass of juice, doing laundry, and washing dishes. Below: Manfred Huber, left, and Gergely Zaruba equip a floor with sensors to monitor walking patterns.



“Someday these robots could be a fixture in homes, helping people do mundane, dirty, and dangerous tasks,” UTARI Executive Director Rick Lynch says. “They could greatly improve quality of life for so many people.”

Scientists at UT Arlington are advancing assistive living technologies that seek to revolutionize care for the elderly, disabled, and injured. The fast-growing industry aims to help people age comfortably while easing the strain that the aging population will have on the nation’s health care system.

By 2030, 72.1 million Americans will be over age 65, more than double the number in 2000. To provide adequate care, the country will need 70 percent more home assistance workers by 2020, according to the Bureau of Labor Statistics. But filling those jobs is difficult because salaries are low. In Texas the average home health aide makes less than \$21,000 a year.

Robots like PR2 could fill the gap, helping elderly people remain in their homes longer and providing a measure of self-sufficiency. Mike McNair, chief of UTARI’s robotics division, notes that they also could aid wounded veterans returning from Iraq and Afghanistan.

Other UT Arlington projects include building robots that are smaller, more intelligent, and less expensive than their predecessors; designing homes capable of monitoring a person’s health, from gait and balance to sleep and blood pressure; and creating tools that will improve care for people with physical disabilities.

HOME, SWEET SMART HOME

A favorite coffee mug will record blood pressure. Sensors in the floor will monitor a person’s balance and report a fall. The refrigerator will track how many times it’s opened. This is Smart Care, a partnership between researchers in the College of Nursing and College of Engineering that aims to turn everyday household items into health care devices.

“The idea is to allow people to live independently for as long as possible,” says nursing Assistant Professor Kathryn Daniel, who leads the project. “Many people do not want to leave their homes and move into a retirement community. This provides a way of getting regular checkups without leaving the house.”

Professors are working with the Lakewood Village Retirement Community in Fort Worth to turn a one-bedroom dwelling into a model with advanced sensors and wireless communications. Eventually, the devices will send electronic updates or alerts to family members or health care providers. Residents may move into the test apartment later this year.

Additional features will include a mirror that captures a computer image of a person’s face, then analyzes skin color to check for healthy blood circulation; a bath mat that records weight to ensure a strong appetite; and a health-monitoring toilet.

Funded by a grant from the U.S. Health Resources and Services Administration, Smart Care could help reduce health care costs, increase efficiency for health care workers, and improve quality of life for older or physically disabled adults.

Once complete, Smart Care technology can be retrofitted into existing homes, says Manfred Huber, a computer science and engineering associate professor who’s working on the project along with computer

science and engineering Professor Gergely Zaruba and Vice President for Research Carolyn Cason.

“As our population ages, more and more people are going to be looking for ways to remain at home,” Dr. Huber says. “We want to help them do just that.”

VETERANS ASSISTANCE

With advances in battlefield medicine and body armor, an unprecedented number of service members are surviving severe wounds and injuries. The Wounded Warrior Project reports that nearly 52,000 soldiers have endured physical injuries in conflicts since 2001 and about 320,000 suffer from traumatic brain injury.

Returning from combat can be difficult. To ease the transition, UTARI scientists are developing technology for two smart homes to be built by HEB Grocery and Operation Finally Home, a nonprofit that provides custom-built, mortgage-free houses for veterans and the widows and widowers of fallen soldiers. The homes are expected to be ready by the end of the year.

McNair says features could include automated temperature control and retractable cooktops, cabinets, and shelving, plus robots that open doors, vacuum floors, move objects, and take out the garbage.

“For people who have lost so much, this technology could help them regain a little bit of independence,” he says. “These homes will be specifically designed to meet the needs of wounded warriors and their families.”

Even a longtime staple of assistive living—the wheelchair—is getting a facelift. UTARI senior research scientist Jeongsik Shin is working with Philadelphia-based Humanistic Robotics Inc. to build a smart wheelchair that’s powered with a gaze. Users would wear 3-D eyeglasses embedded with a camera and GPS tracking capabilities. They would navigate the chair with their eyes and in some cases a voice command, a major improvement over motorized chairs typically operated with joysticks.

“Our smart wheelchair would give people a greater degree of autonomy,” Dr. Shin says. “This would increase quality of life for people who have lost the use of their arms or hands.”

AGING IN PLACE

As the U.S. population ages, more people will live alone, a scenario that presents issues for the elderly, their families, and health care workers. The U.S. Administration on Aging estimates that 11.8 million people—roughly 28 percent of those over age 65—live by themselves. But those numbers increase with advanced age. For example, among women 75 and over, nearly half lived alone in 2012.

Scientists at UT Arlington’s Heracleia Human-Centered Computing Laboratory are designing computer technologies to monitor daily activities and alert caregivers when help is needed. Led by Fillia Makedon, Distinguished Professor of Computer Science and Engineering, researchers have set up a mock furnished apartment at Heracleia with sensors, robotics devices, and cameras.

Sensors on beds, TVs, the refrigerator, and medicine cabinets detect daily patterns. Anything unusual, such as an elderly person leaving the stove on or missing lunch, activates an alert.

“We can capture movement, sound, temperature, sleep patterns,” Dr. Makedon says. “We would know if someone falls or forgets to take his medication, does not get out of bed in the morning, or does not step into the kitchen for something to eat. A relative or a health care worker can keep tabs remotely.”

Ensuring patient privacy is crucial. Makedon says cameras would only be used if requested by the patient or health care provider, and the network and its data will be completely secure. She stresses that assistive technology doesn’t seek to replace human care but to direct resources and provide health care workers with the most accurate information.

“This is the future of aging,” she says. “Assistive technology will allow people to live independently for much longer than in previous generations. This will change people’s lives for the better.”

A MORE HUMAN ROBOT

Still, challenges remain. The biggest obstacle is the exorbitant cost of robots like PR2 and other assistive technology.

“We must figure out how to make robots more affordable,” Lynch says. “To be successful, they need to be within financial reach of the average family.”

They also must be more like humans and less like machines. Electrical engineering Associate Professor Dan Popa, who’s closely affiliated with UTARI, recently received a \$1.35 million National Science Foundation grant to advance robots and robotic devices and improve prosthetics.

He leads a team of scientists to outfit robots like PR2 with sensitive, human-like skin and embed them with sensors that can perceive environment. For example, robots would feel touch, detect temperature, and better understand what humans want. The researchers are even trying to equip the machines with a more human-like strut.

“Robots have been around for a long time. But if we are going to push this technology into our living rooms, then they will need to be better at detecting human intent,” Dr. Popa says. “And most important, humans will need to feel safe and comfortable around them.”

“Assistive technology will allow people to live independently for much longer than in previous generations.”



Fillia Makedon

A WORLD OF *Possibilities*

Attracted by strong academic programs and a welcoming environment, the University's surging international student population invigorates an already rich cultural landscape.

BY JUDY WILEY

TRAM CAO, vivacious and determined, leans forward at a table in the E.H. Herford University Center as she talks about her many activities and plans. The Vietnam native heads the International Student Organization, a position she never imagined she would even want. But Cao's UT Arlington experience has been transformative—and much of the shift occurred outside the classroom.

She was one of the University's 3,061 on-campus international students last fall, a population that grew by 7.1 percent over fall 2012—surpassing the national growth rate of 6.6 percent during the same period. Nationally, a record 724,725 international students enrolled at U.S. colleges in 2012-13, according to the Institute of International Education. UTA's on-campus international enrollment jumped to 3,214 this spring.

ACADEMIC APPEAL

Strong programs in engineering, nursing, business, and science draw the largest numbers of international students to UT Arlington. Electrical engineering tops the list of majors, followed by computer science engineering and mechanical engineering.

"Many international students, especially those at the graduate level, choose UT Arlington for the opportunity to work closely with world-class researchers and scholars," says Ronald Elsenbaumer, provost and vice president for academic affairs. "Together they explore solutions to some of the world's most pressing problems."

ALL IN
Senior Tram Cao
of Vietnam has
immersed herself
in all things
UT Arlington.

Cao, one of about 1,000 undergraduate international students, says she was attracted by the University's diversity. She wanted to meet and work with people from different ethnicities.

Souvik Dubey, an electrical engineering Ph.D. candidate, is among the two-thirds of UT Arlington's international students pursuing graduate degrees. He's developing a chip that can be implanted in the stomach to treat gastroparesis, a disorder that slows or stops food from entering the small intestine. He works alongside renowned researcher J.-C. Chiao in the Electrical Engineering Department.

"I was looking for interaction with large numbers of people, to come over here and learn the culture," Dubey says. "I was also closely following Dr. Chiao's research in medical electronics. The infrastructure that UTA has to perform high-quality research is commendable."

UT Arlington students hail from nearly 120 countries. Dubey is one of 1,289 students from India, which sends more scholars here than any other nation. China is next at 262. Nepalese student Sunil Sahi, who's pursuing a doctorate in experimental physics, says he was attracted by both the academic possibilities and the generous financial assistance. Sahi knew all along he wanted to do graduate work in the United States.

"The education here is one of the best in the world," he says.

He works with physics Professor Wei Chen to create reasonably priced radiation detection materials for use in border security and other areas. The materials available now are almost prohibitively expensive, he says.

FINDING THEIR WAY

Sahi had never been to the United States before arriving in 2010. "It was totally different—the infrastructure, the university culture," he says. "Back in Nepal, we don't have freeways." Nepalese students from the Physics Department met him at the airport and found him a place to live.

Dubey's biggest surprise was the weather.

"I didn't expect Texas to be that hot," he says, adding that the climate is actually similar to India's. Two of his friends were UT Arlington students, and they helped him adjust.

Cao already was accustomed to life in America when she came to campus in 2010. She left Ho Chi Minh City at age 15 and moved in with her aunt in Houston to attend a small private high school. The transition to UT Arlington and its 38,000 students was challenging.

"I was totally by myself, staying in a room with someone I had never met before," she says.

She decided to get involved in campus life, first participating in residence hall activities, which helped her meet people. She became good friends with a resident assistant who encouraged her to stay active.

In addition to her responsibilities as International Student Organization president, she helps teach a diversity and social justice workshop. The lesson plans cover gender and religion differences, as well as practical matters like hand gestures that may be interpreted differently between cultures.

Cao credits UT Arlington's activities, coupled with her willingness to join in, with transforming her college

experience. She says she went from being shy and quiet to finding her niche as a public relations and advertising major. She wants to be an events coordinator after she graduates in December.

"It really changed me, my experience at UTA," she says.

Jay Horn, executive director of the University's Office of International Education, says international students typically have a three-month "honeymoon phase" before the reality of how to succeed in another country sets in. His office paves the way by providing information on obtaining visas, getting immunizations, what to bring, and how to find housing.

UT Arlington also offers workshops on employment regulations, visas, résumé building, interviewing, and American business etiquette, among other topics. International students have had a separate orientation, but that changed last fall.

"We integrated international student orientation into New Maverick Orientation," Horn says. "We hope it will continue to improve connections between international and domestic students."

WHAT TO DO

Cao spent much of the spring semester preparing for International Week, which brings together UTA's 20 international student organizations for a parade, food fair, fashion show, talent show, and soccer tournament. The popular event is open to the community, and area elementary and middle schools are invited to gain exposure to other cultures.

Other campus activities with an international flair

include Global Grounds, a biweekly gathering featuring coffee, chai tea, and snacks. The International Student Organization often hosts Saturday cookouts at area parks. Cao says the group is about 60 percent Americans who got involved because they wanted to expand their horizons.

Similarly, Dubey prefers to make friends from countries other than India. "Cultural exchange makes me very happy," he says.

Another offering, The Link: International Friendship Program, pairs students with area families. The Office of International Education connects the parties and encourages them to meet once a month for coffee, meals, or outings.

Just going to class can be an international experience. "Our lab is a multicultural group—Chinese, American, Iranian, Indian," Sahi says. "I have friends from a lot of different communities now."

Studying and staying active help ease homesickness for international students. Dubey enjoys table tennis, badminton, pool, soccer, and playing a keyboard.

Sahi doesn't call Nepal frequently. With a wife and young son here, he has a built-in support system. Skype keeps Dubey and Cao connected with home and family. Cao also stays in touch via Facebook and visits Vietnam once or twice a year.

Though she has an apartment now, Cao strongly recommends that new international students live in the residence halls. "They get to learn more about American culture and get more involved in school."

And, perhaps, undergo a life-changing experience. ☘

UT Arlington's more than 3,200 international students represent nearly 120 countries. The top 5:

India	1,289
China	262
Nepal	238
South Korea	167
Vietnam	148

GLOBAL FOCUS

Below: Souvik Dubey, right, and Fahad Mirza enjoy a mini-jam session while taking a break from their research. Opposite page: His wife and son provide a built-in support system for Nepal native Sunil Sahi.



Common Bonds

Alumna Vicky Teherani treasures friendships formed 35 years ago

Tantalizing smells filled the apartment. Indian curry dishes shared table space with Chinese egg rolls; Persian kebabs beckoned next to Bangladeshi dal. Mismatched plates held the holiday meal as the tight-knit group of UT Arlington international students gathered around the table.

"None of us knew how to make a turkey, so we made food from our own countries," says Vicky Teherani '79, '81. "It was a wonderful feast."

The Thanksgiving spread she describes was a common scene in the 1970s.

"International students deal with language barriers and homesickness. It sort of forced us to form bonds with each other," the Hong Kong native recalls. "We could understand each

other better than we understood our American friends, even if we spoke different languages."

As Teherani became more involved in campus life, she sought ways to acclimate to American culture. The University was smaller then, and far fewer students lived near campus.

"Foreign students at UTA today benefit from a campus that really enhances the student experience," she says. "The new student has more opportunities to come along with American students, too."

Still, Teherani found her niche, forming a close circle of friends that felt more like family. One actually became a family. She married Siroos Teherani '81, an India native she met in graduate school. Vicky and her first room-

mate, Hong Kong native Wendy Yau '79, are still close, and she keeps in touch with many others.

After earning her MBA, Teherani spent 14 years with Belo Corp., where she was the first female officer, and nine years with PAJ, a global jewelry wholesaler. Today she owns VT Capital. She serves on the UT Arlington Development Board and, with Anson Chan, founded the Asia Scholarship Endowment, which supports international diversity.

"My UTA education gave me a strong foundation to be competitive in the workplace," Teherani says. "I am inspired to be as good as or better than the next person because of it."



Embracing the Next Dimension

Many experts predict 3-D printing technology will revolutionize the way companies do business. UT Arlington is at the forefront of this burgeoning industry. BY O.K. CARTER

A SMALL MACHINE the size of a desktop printer hums so quietly it can only be heard a few feet away. In just minutes, it makes an exact duplicate of a recently scanned item, a simple comb, to the delight of those watching in UT Arlington's Central Library. "What will they think of next?" a woman asks rhetorically. At almost the same time, a University robotics team member hopes to solve a design dilemma involving a tiny sensor robot.

The device needs a very small component that has never existed before. Call it a nonstandard part—so nonstandard it doesn't have a name.

The team member relays his problem to research scientist Stephen Savoie at the UT Arlington Research Institute along with design drawings, which Savoie feeds into a 3-D printer that's considerably more sophisticated than the library's. In less than an hour, the part is ready but doesn't quite fit because, in this field, slight variances matter greatly.

The drawings are tweaked and a second part printed. It fits perfectly and the minuscule robot scuttles across a table. The scientists have compressed months of work into three hours, moving idea to reality in one afternoon.

UNLIMITED OPTIONS
An architecture student and a fabric artist blended their talents to produce a 3-D printed mold from which this building tile was cast.

CUSTOM FIT
3-D printing is gaining momentum, transitioning from a metaphoric groundswell to a societal tsunami that

“Some types of conventional machining might take two years from design to completion. With 3-D, it might be only a few hours.”

most observers predict will change global trade flows, reduce production costs, shrink barriers to entering markets, and profoundly impact supply chains.

“It’s not really a question of if it will happen, but how long the process will take. I believe the changes will be profound over the next decade,” College of Business Dean Rachel Croson predicts. “As 3-D technology advances, we want our students to be fully prepared for a changing business landscape.”

When it comes to 3-D, UT Arlington plans to stay ahead of the curve in multiple disciplines—business, robotics, medicine, architecture, the arts.

Also called additive manufacturing, 3-D printing churns out objects by laying thin layer after thin layer of metal, plastics, or other materials (concrete, for example) atop each other. The technology can either scan an object or follow computerized instructions. This differs from subtractive manufacturing—in which an object like a baseball bat is machined from a larger piece, typically metal, wood, or composites following computerized instructions—or manufacturing that uses components made from molds.

“Right now a lot of people see 3-D printing as something of a curiosity,” Dr. Croson says. “It isn’t. It represents technology that will enable an age of mass customization.”

She envisions an era when we won’t wear or use the same standard sizes of anything anymore.

“You’ll get your shoes custom built to your feet, mine to my feet. My clothes exactly to my dimensions, and so on. The medical industry is already making medical devices through 3-D printing like dentures and hip implants that exactly conform to each unique patient. They’ll fit just like your original teeth, just like your hip. Innovations like that, customized for each use, are becoming a much more attractive alternative.”

“As long as you’re talking about a three-inch bolt, the old-fashioned manufacturing processes work well. But 3-D printing enables manufacturers to exploit situations where adding non-uniformity of the product can create value.”

The implications for students are vast.

“We need to teach our students not only about the world that’s out there today, but the world that’s going to be out there tomorrow, or 10 years from now or 20,” Croson says. “A big part of that is going to involve the impact of 3-D technology. We want a future-proof degree. Our students will graduate with skills needed for today but also with the skills to lead their companies in the future that’s coming.”

Consider students in supply chains and operations management as they examine optimal inventory policy. Let’s say Home Depot historically keeps 80 of an item on a shelf and 200 in the warehouse. If the company has 3-D printing capabilities, maybe it needs only 20 on the shelf and 50 in the back. If inventory runs low, just print more.

“The capability of 3-D printing will totally change inventory policy—how many of an item you need to hold, how many you need to order—and best business practices will change with them,” Croson says. “Business law will change significantly, as will copyright and patent law, duplication rights, and myriad opportunities and obstacles that haven’t surfaced yet.”



THE TOTAL PACKAGE

For some UT Arlington departments, 3-D printing technology is making an impact right here, right now. UTARI’s printers often are busy 24/7, with projects ranging from medical applications like custom-fitted burn victim coverings to robotic components.

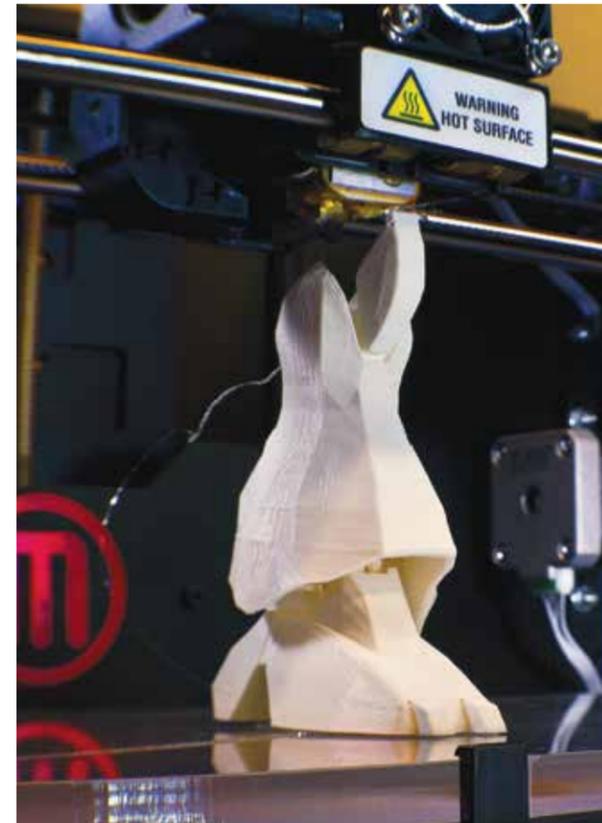
“Some types of conventional machining manufacturing might take two years from design to completion,” Savoie says. “With 3-D, it might be only a few hours. That’s a huge savings.”

He says 3-D also speeds up research and development, a key for helping UTARI move technology to market more quickly.

“One company we’re collaborating with printed six or seven designs, a process that was particularly useful for prototypes or even small-scale production. The technology is also beneficial for making molds, which conventionally are expensive to produce. It’s particularly useful for limited-production, custom-molded products.”

A most unusual embrace of 3-D printing technology is evolving in fine arts. Students are using 3-D to create computer gaming characters, educational games, sculptures, innovative packaging, even colorful retail exhibits.

“It is important to explore new tools and technology that create a type of marriage between what students experiment with in our studios and what knowledge they will require as they move into careers in industry or as entrepreneurs,” Art and Art History Department Chairman Robert Hower says. “We have sculptors who



use glass or metal for casting in our foundry. With 3-D printing technology, we can actually create forms and molds that can be cast with these materials in a traditional way. 3-D printing is becoming so sophisticated that object building is now created directly using metal, clay, or various synthetic materials.”

Projects span from fanciful to pragmatic, including one of the most comprehensive university packaging programs in the nation in collaboration with the International Corrugated Packaging Foundation. Students create designs with sophisticated software and use a table that can cut any packaging or display system imaginable.

“It is packaging and form creation that is also art and design, packaging that is intended to safely ship products but also to display them,” Hower says. “With our 3-D tools, we can tweak and tweak, perhaps creating 15 or 20 versions of a given packaging concept before arriving at the perfect solution.”

ARCHITECT OF CHANGE

In the School of Architecture, 3-D printing has advanced so quickly that the technology may migrate to individual studios, where Assistant Professor Brad Bell believes the equipment soon will be as commonplace as laptops, X-Acto knives, and straightedges.

“We’ve always relied on certain design tools, and the way we utilize those tools has expanded to 3-D printing,” he says. “Right now the low-hanging fruit is to use 3-D to create representations or prototypes, but in the future we’ll use 3-D to print concrete or metal



alloys or synthetic materials for direct manufacturing. Students have to be conversant in both additive and subtractive manufacturing. Those ideas have to be part of the curriculum.”

The bonus of 3-D printing for architects, Bell believes, is that it blends the functions of both designer and manufacturer and is reminiscent of the architect as a builder. “The integration of 3-D modeling with digital manufacturing opens up the design and fabrication process to a much broader range of customizable outcomes.”

The school’s 3-D research already has created collaborations with the private sector, including architectural companies HKS Inc. and Beck Group, along with Acme Brick, Gate Precast, Zahner Metal, and Austin Commercial. Bell’s research group has developed 3-D-related intellectual property in sound-mitigation precast panels, thermal facades, and reconfigurable form work. Those are, he foresees, a mere hint of what’s to come.

A recent IBM study on the impact of 3-D technology predicts a decrease in the cost of producing new products, a huge drop in production volume needed to enter a market, dramatically sped-up design cycles, and the undercutting of large supplier networks and extended supply chains. In short, a sea change.

“There will absolutely be big winners, big losers, and accelerated change in the process,” business Dean Croson predicts. “Our mission will be to make sure no students anywhere are better prepared for the future than those at UT Arlington.”

3-D STATE OF MIND

Opposite page: Rachel Croson says 3-D printing will “enable an age of mass customization.” Left: The MakerBot Replicator 2 printer brings life to the creative vision of art students. Above: Led by Brad Bell, the School of Architecture has developed 3-D-related intellectual property in thermal facades and sound-mitigation panels.

AlumniNews

THE WORLD AND UT ARLINGTON



ILLUSTRATION BY CHI BIRMINGHAM

A Legacy of Leaders

Goolsby Leadership Academy celebrates a decade of excellence

Combining artistry with business acumen can be difficult, but alumna Danielle Georgiou has fused the two with the grace of a ballerina.

Eight years ago she graduated in the Goolsby Leadership Academy's first cohort with a degree in international business and French. Today she runs the thriving Danielle Georgiou Dance Group in Dallas.

"There has always been something special about dance and the arts for me," she says. "With my Goolsby experience, I've been able to apply the tools, techniques, and knowledge in business, marketing, management, and finances to running my dance company."

Established with an anonymous \$2 million gift in honor of Distinguished Alumnus John Goolsby '64 and his wife, Judy, the academy is a cohort-based program for outstanding College of Business students. Since its founding, it has helped prepare more than 250 business graduates for career success.

Goolsby Scholars have held leadership positions at Microsoft, BNSF Railway, PricewaterhouseCoopers, and Lockheed Martin, among others, and more than 25 percent have continued their education at graduate or law schools.

"Our scholars graduate with solid leadership skills, an

appreciation for learning, and increased self-confidence that serves them well in their careers," says David Mack, academy director and College of Business assistant dean.

Example: Eric Ryan Pace '06. Also a member of the first Goolsby cohort, he is a civilian strategist and adviser on the Pentagon Air staff.

"My peers were all top-notch professionals who had little time for developing or leading me," he says. "Despite the long work hours and intimidating atmosphere, I had certain expectations for my co-workers and myself. I continuously sought mentorship and development opportunities, and I mentored young professionals in a new program for civil servants."

In 2013 the Air Force's director of strategic planning named Pace the Civilian of the Year.

Pace and other Goolsby graduates agree that the program's impact extends beyond the tangible rewards of business success. Sending prepared leaders into the world benefits everyone.

"Goolsby taught me that success is empty unless it serves the greater community," says Jaysen Lamb '07, a graduate of the second cohort and president of Paladin Signs & Graphics. "It taught me to commit with passion and be a good steward. No one is successful in a vacuum."

"Our scholars graduate with solid leadership skills, an appreciation for learning, and increased self-confidence that serves them well in their careers."

Unlikely Ascent

Alumnus Mike Dolabi's winding road to success

The irony was unmistakable as Mike Dolabi dined at a posh restaurant near the top of a Dallas high-rise in 1997.

He was the guest of a bank that had recently loaned him \$1 million to build a warehouse for his growing auto body parts business. A few years before, he had sat

cousin but was soon on his own when the cousin went back to Iran. With help from a Greenville High School counselor who became his guardian, he graduated in 1979 and eventually came to UT Arlington in 1982 to study electrical engineering.

He lived near campus, walked most places, and worked at a gas station and as a cook at Bennigan's to pay for college. He remembers UT Arlington as a welcoming place, even for someone from Iran in the aftermath of the Iranian hostage crisis.

In 1993 Dolabi and his wife, Sunny, sold most of their possessions—including their car—to start National Autobody Parts Warehouse Inc. What began with 12 pieces of inventory, a Rolodex of customers, and a Toyota pickup has burgeoned into one of the largest auto body parts distributors in Texas.



outside that same skyscraper as a taxi driver waiting for his next passenger. The Iran native's rise from ground floor to penthouse is the quintessential American success story but not the only paradox in an improbable journey.

Seeking a brighter future for their oldest child, Dolabi's parents sent him to the United States at age 16 shortly before the Iranian revolution. He couldn't speak nor understand English but managed to hail a cab after landing at New York's LaGuardia Airport. Seconds into his ride, a car sideswiped the taxi.

"That was my first experience in America," he says with a grin. "Now I'm in the business of replacing parts for cars that have been in accidents."

Dolabi moved to Greenville, Texas, to be near his

Certified by the International Organization of Standardization, the company ships parts throughout the United States from its 150,000-square-foot facility in Grand Prairie and a satellite location in Round Rock. Row after row of hoods, bumpers, and fenders line the Grand Prairie warehouse, which houses 54,000 types of parts.

As president, Dolabi has steered National Autobody Parts Warehouse down the road to success by emphasizing consistency, integrity, hard work, and creativity.

"In this country the sky is not even the limit. Think big. Don't be afraid to do things differently," he says. "Believe, stay focused, and treat people right. If you do that, you can't lose."

You may even win big.

Distinguished veterans named to Hall of Honor

Stan Thompson, Susan Tillotson, and Martin Woodruff are the 2014 inductees into the Military Science Hall of Honor.

Thompson graduated from UT Arlington in 1974 with an electrical engineering degree. After serving in the Army's 24th Infantry Division, he began as an electrical engineer at Multi-Amp Corp. (now Megger). He is the company's product manager for relay test equipment and helped pioneer

the use of GPS satellites to synchronize real-time testing of distance relay protection schemes of power transmission lines.

Tillotson earned a political science degree in 1977 and was the University's first female Corps of Cadets commander. Her military career included serving as the maintenance material officer for a maintenance battalion in the 2nd Armored Division. She has



more than 30 years experience in training, leadership development, program management, and instruction and has received numerous military and civilian honors.

Woodruff graduated in 1970 with a mathematics degree. He served in the Army from 1970-79, achieving the rank of captain. He was an infantry platoon leader and an adviser to a Vietnamese unit. After his military career, he worked for Poco Graphite, a manufacturer of carbon graphite and silicon carbide materials, before becoming a management consultant. Woodruff is the mayor of Decatur, Texas.

Events



LIBRARY EXHIBIT

Celebrating and Forgetting, Lamenting and Remembering: The U.S.-Mexico War, 1846-1848 focuses on the "forgotten" U.S.-Mexico War through letters, diaries, maps, and other materials. Through **Aug. 30**, Special Collections, Central Library. More information: uta.edu/library/spco

SUMMER CAMPS

Looking to enrich your kids' summer? UT Arlington hosts more than 50 day and overnight youth programs. Topics include architecture, athletics, engineering, art, music, science, and more. **June 9-Aug. 15**. More information: uta.edu/summercamps



OOZEBALL TOURNAMENT

Alumni are encouraged to enter teams in the 25th annual Oozeball mud volleyball tournament. Noon-5:30 p.m. **Friday, Sept. 19**, corner of Greek Row Drive and Summit Street. More information: 817-272-2594

ALUMNI GALA

Mark your calendars for the 49th Annual Distinguished Alumni Gala recognizing graduates for their professional achievements, service to the community, and loyalty to UT Arlington. 6:30 p.m. **Saturday, Oct. 18**, E.H. Hereford University Center. More information: utaalumni.org/distinguished

Alumni Pointe-Noire, Republic of Congo



STEPHANIE DUNCAN '06
 When Stephanie Duncan helps a child with severe burns or a man with a large tumor, she's doing more than providing medical treatment. She's also strengthening the patients' community ties. In the Republic of Congo, where Duncan is a nurse aboard a large hospital ship, these connections are essential to preserving quality of life. "Many of the patients we treat have tumors or deformities that cause them to be outcasts," the 2006 nursing graduate says. "They come to us desperate for an answer, for new life. And the awesome thing is that we get to provide that for them." Stationed in Pointe-Noire, Duncan is part of Mercy Ships, an international charity that provides free health care, community development projects, health education, and more. Doctors and nurses aboard the ship donate their time and often spend their own money to work there. For Duncan, the sacrifices are worth it. "Working as a nurse in Africa has always been a dream of mine, and I finally get to see it lived out. It's not easy to give up the comforts of home and leave family and friends, but I wouldn't want to be anywhere else."

Snapshot



ALUMNI BANQUET
 Walter Price '85, Erika Roy Finney '96, and Quinton Thompson '11 attended the 24th Annual African-American Alumni Banquet in March at the E.H. Hereford University Center.



HOMECOMING RECEPTION
 Attending a Homecoming reception in the College Park District last fall were former athletes Jennifer Cross '99, Trisha Walker '01, and Lisa Verheul Swan '00, '03.



STUDENT LEADER EVENT
 Bonnie '85 and Marty Wieder '83, '88 reconnected with fellow Mavericks at the Student Leader Alumni Reception during Homecoming in the Hospitality Suite at College Park Center.



MILITARY HALL OF HONOR
 Rex Latham '65, Mark Latham '76, and Will Latham '49 at the Military Science Hall of Honor Induction Ceremony in March in the E.H. Hereford University Center.

Aaron, Thompson honored for excellence



Alumna Terry Aaron has a passion for helping students succeed. The key, she believes, is connecting them with a mentor.

Dr. Aaron, director of Continuing Education Services at Tarrant County College Southeast Campus, received the Outstanding African-American Alumni Award at the annual African-American Alumni Banquet in March. Also honored was Zachary Thompson, director of Dallas County Health and Human Services.

Aaron earned a Ph.D. in urban and public administration in 2011. Her dissertation research led to the creation of the Mentoring Summit, now in its third year at TCC. In addition to promoting mentorships, the program awards scholarships to deserving students.

"Students who connect with someone on campus are more likely to be successful and complete college," she says. "The Mentoring Summit gives students the opportunity to make these connections."

Aaron's community involvement includes serving on the Eastside YMCA board, as well as holding leadership positions with the Texas Association of Black Professionals in Higher Education-Tarrant County Chapter, the Texas State Christian Education Association, the Region IV International Christian Education Association, and the Region IV International Christian Women and Missionary Association.

Thompson, who earned a bachelor's degree in social work in 1981, manages the day-to-day operations of more than 15 programs and 300 employees who work to keep Dallas County residents safe and healthy. He develops the department's \$125 million budget and manages city, county, state, and federal contracts.

"The education I received from UTA was instrumental in helping me become the director of Dallas County Health and Human Services," he says. "Beyond the classroom, the campus activities helped me develop my leadership and management skills."

Thompson served on the North Texas Behavioral Health Authority Board of Directors and as a member of the Site-Based Decision Making Committee of the Martin Luther King Jr. Learning Center. He was nominated for the 2008 Janet Emerson Public Health Servant Award and received the 2009 Interdenominational Ministerial Alliance Health Care Award.

Established in 1995, the Outstanding African-American Alumni Award honors African-American graduates who have made significant contributions to society and whose accomplishments and careers have brought credit to UTA. Banquet proceeds benefit the African-American Endowed Scholarship Fund.



Broad Impact

Alumnus Glen Whitley's influence extends throughout North Texas

He jokes that he can't say no, but the real reason behind Tarrant County Judge Glen Whitley's tireless public service traces to his parents.

"They taught us that we were blessed by the community we live in," says the 1976 accounting graduate, "and we owe it to our community to give back as much as we possibly can."

As Tarrant County's chief elected officer, Judge Whitley presides over the County Commissioners Court. Under his leadership, the county's bond package helped cities build and widen roads, and he was instrumental in improving access and care at JPS Health Network.

"There's a tremendous spirit of generosity in Tarrant County," he says. "We try to make sure government doesn't get in the way of that."

In addition to careers in county government and accounting (he co-founded the Whitley Penn accounting firm in 1983), Whitley's civic and professional involvement is prolific. He is a past president of the National Association of Counties and of the North Central Texas Council of Governments, as well as a past chairman of the Regional Transportation Council and the Texas Conference on Urban Counties. Gov. Rick Perry recently reappointed him to the Governing Board of the Texas Indigent Defense Commission.

This barely scratches the surface of his community engagement. At UT Arlington, he serves on the Department of Accounting Advisory Board and received the department's Distinguished Alumni Award in 2007.

"It's been tremendous to watch UTA transform itself," Whitley says. "The University has had a huge impact on my life. It offers students a great opportunity to get an education and make an impact in the community."

Spotlight



JPMORGAN CHASE GRANT
President Vistasp Karbhari, Maureen Casey of JPMorgan Chase, Arlington Mayor Robert Cluck, and NFL Hall of Famer Roger Staubach at the announcement of a grant supporting student veterans.



ANDERSON COOPER EVENT
Anderson Cooper, Shalyn Clark, and Al Clark at a reception in February before Cooper's Maverick Speakers Series lecture.



PIONEER NATURAL RESOURCES GIFT
E.G. "Skip" Rhodes and Louis Goldstein of Pioneer Natural Resources with College of Science Dean Pamela Jansma at the signing of a commitment supporting the Earth and Environmental Sciences Department.



SANJAY GUPTA RECEPTION
Maxwell Scarlett '66, Sanjay Gupta, and Vivian Scarlett at a reception in March before Dr. Gupta's Maverick Speakers Series lecture.



Endowment surpasses \$100 million milestone

Billy Flores joined the Coast Guard less than a year before his cutter, the USCGC Blackthorn, collided with an oil tanker in Tampa Bay, Fla., in 1980.

The 18-year-old seaman apprentice was among 23 crewmembers who died in the accident, but not before he helped save several lives. For his heroism, Flores posthumously received the Coast Guard Medal in 2000, and a cutter bearing his name was commissioned in 2012.

To honor Flores' memory, his sister Connie Flores, brother Sam Flores, and sister-in-law Ceil Flores—all UT Arlington graduates—are establishing the Courage in Adversity: Billy Flores Scholarship for nursing majors.

Endowed funds like those pledged by the Flores family ensure the University's long-term viability and are managed to weather market fluctuations while supporting scholarships, faculty positions, research, and academic programs.

Unprecedented donor support helped UT Arlington's endowment surpass \$100 million at the end of the 2012-13 fiscal year. The University also received a record \$22.7 million in new gifts and pledges last year.

"UT Arlington's potential for continued success lies not only in its outstanding students and faculty but also in the investments made by loyal friends and supporters," says Jerri Schooley, interim vice president for development. "Such generosity allows the University to significantly enhance its facilities, strengthen research programs, and provide countless opportunities for students."

The endowment's market value surged from \$53.4 million in 2008-09 to \$101.7 million in 2012-13, and the number of funds has increased from 401 to 592.



DIFFERENCE MAKER Like many UT Arlington students, alumnus Ron Cates was the first in his family to attend college. He graduated in 1975 with a bachelor's degree in electrical engineering and went to work for General Dynamics as an electronic systems engineer. His career path led to Microchip Technology Inc., where he's now the director of world-wide sales channel enablement. In 2011 he established the Ron L. Cates Endowed Scholarship and recently arranged for a planned estate gift to further fund the scholarship. "If one wants to leave a legacy in an endowment, there are very few organizations that will live forever," Cates says. "The need to educate people is perpetual, so that is where I have chosen to leave my personal mark on the world."

Fitting Tribute

Vought Aircraft Heritage Foundation endowment benefits engineering, science

Vought Aircraft dates to 1917 when Chance Vought partnered with Birdseye Lewis to create the Lewis & Vought Corp. Over nine decades the company built more than 15,000 military aircraft.

Vought died in 1930, but the company that bears his name, Triumph Aerostructures-Vought Aircraft Division, continues to make its mark in the aviation industry.

To extend his legacy, the Vought Aircraft Heritage Foundation has established the Chance Vought Engineering and Science Endowment at UT Arlington. The gift will provide scholarships to engineering and science students and assist K-12 outreach efforts. Twenty percent of the endowment will support UTeach Arlington, which recruits engineering and science students for careers as high school math and science teachers.

Vought and UT Arlington have a history of collaboration, primarily through a cooperative education program with the College of Engineering and College of Science that started in the 1960s. The relationship played a major role in the company's decision to establish the endowment.

"Vought hired many UT Arlington co-op students," notes Dillon Smith, treasurer for the Vought Aircraft Heritage Foundation. "They became valuable, long-term employees."

UT Arlington President Vistasp Karbhari calls the partnership a fitting tribute that could fuel discoveries and benefit society in unforeseen ways.

"Through this endowment, aspiring engineers and scientists will be given the tools they need to lead future generations into technological frontiers that we can barely imagine today," he says.

Cathie Barrington, the foundation's financial manager, says strengthening engineering and science education is important to current and former Vought employees.

"We look forward to continuing Chance Vought's legacy," she says, "not only through these future leaders, but also in our relationship with UT Arlington."



JOHN AND MARJORIE EARLE

Every semester for 11 years, Mary Earle Aucutt attended night classes at UT Arlington to earn a college degree. Her persistence paid off when she graduated in 1975 with a BBA in accounting. She used her education to further her career as comptroller for Fort Worth-based Conatser Construction, where she worked for many years. Shortly before she graduated, Aucutt established the C.J. and Clara Earle Student Scholarship in memory of her parents. It was one of the first endowment gifts to the College of Business. Following her death in 1985, she left her estate and her parents' estate to strengthen the scholarship. To date, the endowment has awarded 574 scholarships to UT Arlington business students. Last fall Aucutt's brother, John Earle, and his wife, Marjorie, attended a luncheon hosted by the College of Business to recognize the family's generosity. They met several scholarship recipients and received a two-inch-thick collection of thank-you letters. "We were touched by the genuine gratitude the students expressed," John Earle said. "Our family is honored to be able to help them, and we look forward to assisting many more students in the coming years."

Class Notes

1969

Ralph M. Cox (BS, Mechanical Engineering) has begun a phased retirement as a senior principal with Tompkins International, a supply chain consulting firm. He lives in Austin.

1970

Robert Gnuse ('70 BS, '74 MS, Civil Engineering) is a partner with Denver-based Gnuse Enterprises, LLC, which provides management, marketing, and sales consulting and training to companies that must persuade at the executive level.

1971

Kristy Libotte Keener (BFA, Art) won three International Gold Marcom Awards for graphic design. She is the graphic design coordinator at the North Central Texas Council of Governments.

1973

Ron Jensen (BA, Psychology) was elected mayor of Grand Prairie in May 2013.

1977

Mike Farris (BA, Political Science) wrote his fifth novel, *The Bequest*, about an Oscar-winning actress and the ups and downs of her career.

1978

Louis D. Marks Jr. (MBA, Finance) is a licensed residential mortgage loan originator specializing in reverse mortgages for senior homeowners. He is retired from Bell Helicopter Textron. **Miriam Nisenbaum** (MSSW) is executive director of the Texas Chapter of the National Association of Social Workers. Her most recent professional experience was as the vice president of Children and Family Services with Easter Seals Central Texas in Austin. She has served as the executive director of the National Alliance on Mental Illness in Dallas and of H.O.P.E. (Honoring of Peoples Everywhere) in Dallas. **Kevin Simmons**

(BBA, Finance) is professor of economics and Corrigan Chair of Economics and Business Administration at Austin College in Sherman.

1979

Robert Lee Joseph (BBA, Systems Analysis) is author of "The Everywhere Book Series," a group of action-adventure books. **Randal Wickersham** (BA, History) is a senior business planning analyst for Hewlett-Packard's global real estate team in Plano, where he coordinates the computer-aided facilities management process.

1980

John Colligan ('80 BS, Architecture; '86 MLA, Landscape Architecture) owns Colligan Golf Designs in Arlington. **Joan Cox** (BBA, Accounting) was a finalist for *Dallas Business Journal* CFO of the Year in the nonprofits category. She is chief financial officer for Head Start of Greater Dallas.

1982

Kelly Brechel (BBA, Finance) is director of commercial valuation and counseling for O'Brien Realty Advisors in Fort Worth. Previously she was associate director of Integra Realty Resources' Fort Worth office from 1990-2013. **Tim Eckersley** (BS, Electrical Engineering) is senior vice president for Allegion, a provider of security solutions based in Ireland. He is president of the company's Americas region. Previously he was Ingersoll Rand's president of Commercial Americas. **K. Jamie Rogers** ('82 MS, '85 PhD, Industrial Engineering) was inducted into the University of Missouri College of Engineering Industrial and Manufacturing Systems Engineering Department Hall of Fame. Dr. Rogers is a professor and associate chair of the Department of Industrial and Manufacturing Systems Engineering at UT Arlington,

where she has served on the faculty since 1994.

1984

Janet Hendrick (BA, Political Science) is an of counsel attorney for Fisher & Phillips, LLP, in Dallas. Previously she was senior counsel at an employment law boutique firm in Dallas, where she represented employers in employment and employee injury litigation.

Lisa Reed McKinney (BA, Journalism) won first place in the Texas State Genealogical Society awards for professional genealogists for her book *City Property, 1914-1916*. She also published three Legacy QuickGuides in 2013, one on quilts and the other two on diaries and Norwegian genealogy. **Dan W. Turner** (BS, Economics) was named to the board of trustees for Texas Scottish Rite Hospital for Children in Dallas. He currently serves as the Orient of Texas general secretary for the Texas Scottish Rite bodies. He is a retired senior solution architect for Hewlett-Packard.

1987

Robert Mantoath (BM, Music) is an intelligence specialist at the National Air and Space Intelligence Center in Dayton, Ohio. He retired in 2012 after 21 years of service in the Army, where he was a strategic planner for the G2 Intelligence Section of the 94th Army Air and Missile Defense Command.

1988

John Jay Lewis ('88 MEd, Architecture; '00 MEd, Educational Administration) is an assistant principal at Crosstimbers Academy charter school in Weatherford. **Lee Mulcahy** ('88 BA, French; '01 PhD, 19th Century French Art/Humanities) exhibited at Aspen's Thomas Jefferson and Ben Franklin Newmedia Art Porch in fall 2013 and at Carbondale, Colo.'s R2 Gallery in the Valley Visual in January-March 2014.

1989

David Mack Henderson (BM, Music/Business Administration) is president of Fairness Fort Worth and owns David Henderson Tax Preparation in Fort Worth. He helped establish UT Arlington's first LGBT student organization in the 1980s. **Meg Penrose** (BA, History) is a professor of law at the Texas A&M University School of Law. Previously she taught at the University of Oklahoma School of Law.

1991

Louis Michalski (PhD, Humanities) has published an historical novel, *The Gift*, which is set in the Southwest and tells the story of a priest who is forced to confront the dark side of the Catholic Church and the only life he has known. **Jacob Montilijo Monty** (BA, History) has been appointed to the Texas Higher Education Coordinating Board by Gov. Rick Perry. Dr. Monty's term expires Aug. 31, 2015. **Melissa Wargo** ('91 BA, '96 MA, Anthropology; '09 PhD, Transatlantic History) is chief of staff at Western Carolina University. Previously she was assistant vice chancellor for planning and effectiveness at WCU.

1992

Eric Brock (MBA, Marketing) is vice president of business and technology services at Mary Kay Inc. in Dallas. He began at Mary Kay in 1997 as webmaster and has led the information security team at the company since its inception. **Michael Clock** (BBA, Accounting) was named CFO of the Year in the restaurants category by the *Dallas Business Journal*. He is chief financial officer for Le Duff America Inc. in Dallas.

Tony Ellis (BBA, Marketing) is vice president of industry advancement for the National Association of College Stores based in Oberlin, Ohio. **Rob Romaguera** ('92 BA, Criminal Justice; '07 MEd, Educational

Leadership and Policy Studies) is an assistant principal at Neal Elementary School in Mansfield. **Jeanne Smith** (BBA, Accounting) was honored as one of the 2013 Great Women of Texas by the *Fort Worth Business Press*. She is a partner in tax and strategic business services for Weaver, a Fort Worth-based accounting firm.

1993

Paul Blocker (BA, Interdisciplinary Studies) is the first assistant public defender in the Dallas County Public Defender's Office. **Danny Hoe** (BS, Information Systems) is strategic development manager for Signagelive in Singapore. **Lee LeGrice** ('93 MSSW, '03 PhD, Social Work) was named 2013 Social Worker of the Year by the Texas Chapter of the National Association of Social Workers. Her nomination will be submitted in 2014 for national consideration. She is an adjunct professor in the UT Arlington School of Social Work. **Melanie Mason** (BFA, Theatre Arts) directed *Annie*, which received the Stony Award for Best Musical at Theatre Arlington. She is a lecturer in the Communication Department at UT Arlington.

1994

Russell Goodman ('94 BS, '96 MS, Mathematics) is a mathematics associate professor and chair of the Mathematics and Computer Science Department at Central College in Pella, Iowa. **Jennifer Stoecker** (BA, Journalism) is director of human resource employee services for the Mansfield Independent School District.

1995

Glenda Roasa (BS, Architecture) is an information technology specialist at the Library of Congress in Washington, D.C. **Don Winfree** (BS, Interdisciplinary Studies) is a senior fellow and chief engi-

neer at Lockheed Martin. He is the corporate root cause and corrective action expert. He developed and implemented a process to solve complex technical problems on all major programs, including the F-16, F-22, F-35, C-130, C-5, U-2, and MS2.

1996

Edward Mancuso (BS, Information Systems) is executive director for the Knoxville, Tenn., area at Ernst & Young.

1997

Jay Cantrell (BS, Architecture) was a finalist in the professional physical submission division of the 39th annual KRob Architectural Delineation competition, the longest-running architectural drawing competition in the world. **Vic Eugenio** (MEd, Education in Teaching) is principal at Harmon Elementary School in Mansfield.

1998

Kirsten Lundin ('98 BS, '00 MS, Biology) is dean of instruction at Seguin High School in Arlington. **Mitch McCombs** (MEd, Education in Teaching) is an assistant principal at Davis Elementary School in Mansfield.

1999

Brad Burns (MEd, Educational Leadership and Policy Studies) is principal at Waxahachie High School. Previously he was principal at Lewisville High School. **Ricardo Y. Gomez** ('09 BA, History; '13 MEd, Educational Leadership and Policy Studies) is an assistant principal at Nichols Junior High School in Arlington. **Kourtney Ragsdale** ('99 BA, History; '12 MEd, Educational Leadership and Policy Studies) is an assistant principal at Wester Middle School in Mansfield.

2000

Rafiq Ali (BBA, Finance) is a credit officer at Scotiabank in Toronto. **Jason Bunting**

(MEd, Educational Administration) is principal of the Crosstimbers Academy charter school in Weatherford. **Michele Drake** ('00 BA, English; '07 MEd, Educational Leadership and Policy Studies) is an assistant principal at Harmon Elementary School in Mansfield. **Carlos Lee** (MEd, Educational Administration) is an assistant professor in educational leadership in the College of Human Sciences and Education at Louisiana State University.

Jeongyi Lee (MA, Linguistics) is an assistant professor of Korean in the Department of Foreign Languages at Kennesaw State University in Kennesaw, Ga. **Aaron Perales** (MEd, Educational Administration) is director of parent and community engagement for the Arlington Independent School District. **Shea Schaefer** ('00 BA, Interdisciplinary Studies; '06 MEd, Educational Leadership and Policy Studies) is principal at Walker Creek Elementary School in North Richland Hills in the Birdville Independent School District. **Sonal Sinha** (BS, Information Systems) is associate vice president of industry solutions for webinar provider MetricStream. She is responsible for driving solutions and strategy in industries such as consumer packaged goods, retail, and technology.

Sandra Sprott (BA, English) is an attorney in the law office of Ben Abbott, PC, in Garland. **Scott Wilson** (BS, Architecture) has joined the Paul Ryan Design Group in Dallas. The firm designs senior living campuses, medical facilities, hospices, and hospitality sites. Launched in 2013, PRDG is an outgrowth of the global architecture and design firm Perkins+Will.

2001

David Thayer (MEd, Educational Administration) is principal at Ponder Elementary School in Mansfield.

2002

Sandy Conklin (MEd, Educational Leadership and Policy Studies) is principal at Beck Elementary School in the Northwest Independent School District. **Hilda Herrera** ('02 BA, Spanish; '11 MEd, Educational Leadership and Policy Studies) is an assistant principal at Diamond Hill Elementary School in Fort Worth. **Angie Hux** (MEd, Education in Curriculum and Instruction) is an assistant principal at Pinkerton Elementary School in Coppell. **Gwen Perkins** (MEd, Educational Leadership and Policy Studies) is director of professional personnel in the Denton Independent School District. Previously she was principal at Crownover Middle School in Corinth.

2003

Lesley Bettis (Principal Certification, Educational Leadership and Policy Studies) is principal at Wood Elementary School in Arlington. **Tracy Collins** (MEd, Educational Leadership and Policy Studies) is an assistant principal at Boles Junior High School in Arlington.

2004

Louwanda Evans ('04 BA, '06 MA, Sociology) published the book *Cabin Pressure: African American Pilots, Flight Attendants, and Emotional Labor (Perspectives on a Multiracial America)*. **Joshua Garcia** (MEd, Educational Leadership and Policy Studies) is director of ELL/bilingual education in the Mansfield Independent School District. **Phillip Morgan** (BFA, Theatre Arts) is president-elect of the Texas Educational Theatre Association and director of fine arts for the Waco Independent School District. **Diego Quintana** (BA, Spanish) teaches third-grade math at Cooke Elementary School in Cleburne. **Lesley Rhodes** (MEd, Education in Curriculum and Instruction) is principal at Adams Elementary School in

Arlington. **Dara Rossi** (Principal Certification, Educational Leadership and Policy Studies) is an assistant principal at Nichols Junior High School in Arlington. **Katy Thomas** ('04 BBA, Finance; '12 MEd, Educational Leadership and Policy Studies) is an assistant principal at Lakewood Elementary School in the Hurst-Euless-Bedford Independent School District. **Lakita Turner** (MEd, Educational Leadership and Policy Studies) is an assistant principal at Como Elementary School in Fort Worth. **Steven Wurtz** (MEd, Educational Leadership and Policy Studies) is an area superintendent in the elementary division for the Arlington Independent School District.

2005

Erica Bynum (MEd, Education in Curriculum and Instruction) is an assistant principal at Adams Elementary School in Arlington. **Emily Froese** (MEd, Educational Leadership and Policy Studies) is principal at Coppell Middle School West in the Coppell Independent School District. **Jill Galloway** (BS, Computer Science Engineering) is director of instructional technology for the Arlington Independent School District. **Nick Herron** (BA, Political Science) is a partner at Wasserstrum & Herron, LLP, in Vineland, N.J. He is licensed to practice law in both New Jersey and Pennsylvania.

Eboni Lewis ('05 BA, Kinesiology; '11 MEd, Educational Leadership and Policy Studies) is an assistant principal at Arlington High School. **Chris Nester** (MEd, Educational Leadership and Policy Studies) is principal at Wilson Elementary School in Coppell. **Katrina Smith** (MEd, Educational Leadership and Policy Studies) is principal at Meadowbrook Middle School in Fort Worth. **Luanne Stout** ('05 BA, Interdisciplinary Studies; '07 MS, Health Care Administration) is chief governance officer for Texas Health

Notable

CATHELEEN JORDAN

Dr. Jordan ('79 MSSW) received the 2013 Lifetime Achievement Award from the Texas Chapter of the National Association of Social Workers. She is the Cheryl Milkes Moore Professor in Mental Health Research in the UT Arlington School of Social Work.



LAURETTA HILL

Hill ('93 BA, Criminal Justice) is the first African-American woman to be promoted to assistant police chief in the Arlington Police Department. She is a 19-year veteran of the APD.

LAMAR GOREE

Dr. Goree ('01 MEd, Educational Leadership and Policy Studies) is superintendent for Caddo Parish Public Schools in Shreveport, La. Previously he was an area superintendent in the Mansfield Independent School District.



RANDI NELSON

Nelson ('07 BA, Journalism/Public Relations) was selected by the *Connecticut Law Tribune* as a "New Leader in the Law" for her achievements in legal work, pro bono efforts, and community involvement. She is an associate attorney at Nusbaum & Parrino PC in Westport, Conn.

Briefly



BE TRUE TO YOUR SCHOOL

Everybody looks better in blue and orange. Show your Maverick pride by visiting UTA's one-stop online shopping mall. A wide selection of T-shirts, polos, caps, bags, accessories, and other merchandise awaits. The online shop includes links to the UT Arlington Bookstore, athletics store, Planetarium gift shop, and more. Check it out at uta.edu/shoponline and gear up for summer.

GET PLUGGED IN

Stay apprised of all things Maverick by connecting to the University's social media sites. UT Arlington's Facebook page had more than 25,000 "likes" as of early April. Become a fan and get updates in your newsfeed about campus happenings and achievements. Join @utarlington on Twitter for the latest news, network with fellow alumni through LinkedIn, and share photos from UTA's Pinterest boards.



WHAT'S ON YOUR PLATE?

Drive in style with the UT Arlington Texas license plate. Offered through the Texas Department of Motor Vehicles, the eye-catching tags featuring the University mascot are an ideal way to support deserving Mavericks. The cost of the plates varies, and a percentage of sales benefits student scholarships. Order your plate today at myplates.com/go/uta.

Resources. She had served as the system's vice president of governance since 2002. **Raghuram Sukumar** (MS, Computer Science Engineering) writes "Happy Schools Blog," which helps students gain admission to university graduate schools and then find jobs after graduation.

2006

Shannon Bennett (MEd, Educational Leadership and Policy Studies) is principal at Forest Meadow Junior High School in the Richardson Independent School District. **Anthony Bowling** (BFA, Theatre Arts) is performing with the Four Day Weekend improv group in Fort Worth. **Celi Radillo Bowling** (BFA, Theatre Arts) received the Stony Award for Best Actress, Cameo Role in a Musical, for her performance in *Annie* at Theatre Arlington. **Jovan Grant-Wells** ('06 MEd, Educational Leadership and Policy Studies; '13 PhD, Educational Leadership) is associate superintendent of curriculum, instruction, and assessment for the Garland Independent School District. Previously she was executive director for the Madison High School feeder pattern and several magnet campuses in the Dallas Independent School District. **Drew Hampton** (BFA, Theatre Arts) is a faculty member in the School of Theatre and Dance at James Madison University in Harrisonburg, Va. **Catherine Hudgins** (MEd, Educational Leadership and Policy Studies) is principal at Frontier High School in the Mansfield Independent School District. **Leslie Johnston** (MEd, Educational Leadership and Policy Studies) is director of communications for the Arlington Independent School District. **Kaine Meshkin** (BA, Political Science) has begun graduate work at the United States Military Academy in West Point, N.Y. **Rosa Newberry** ('06 BA, Advertising; '12 MEd,

Educational Leadership and Policy Studies) is an assistant principal at Lamar High School in Arlington.

2007

Brandy Austin (BA, Criminal Justice and Criminology) has been elected to a three-year term on the board of directors for Empowering Women as Leaders (EWL). She will serve as marketing director for the organization. She is director of marketing and business development at Cantey Hanger LLP, a full-service law firm in Fort Worth. **Jesse Barnett** ('07 BFA, '11 MFA, Art) was among 50 artists worldwide selected for the Lumen Prize Exhibition, the world's first competition for digitally created fine art. His piece "Conditional Obscurity" was an experiment in stripping photography down to its essential components. Exhibits were held in Cardiff, London, Riga, Shanghai, and Hong Kong. **Bryan Bufkin** (BA, Political Science) was selected as a "Top Attorney" by *Fort Worth, Texas* magazine. He is a civil litigation lawyer for Jackson Walker, LLP, in Fort Worth. **Shea Maloney** (BA, Anthropology) is a cartographic specialist for the Department of Agriculture in Fort Worth. **Matt Moody** (BBA, Marketing) is a managing partner in the Garland branch of ABC Supply Co., a distributor of housing materials.

2008

Eric Carter (MEd, Educational Leadership and Policy Studies) is an assistant principal at Lamar High School in Arlington. **Christopher Cook** (MA, Criminology and Criminal Justice) has been promoted to lieutenant in the Arlington Police Department. **Matt Grevan** (BFA, Theatre Arts) is pursuing an MFA in stage management at the University of Illinois at Urbana-Champaign. **Alton Jackson** (MEd, Educational Leadership and Policy Stud-

ies) is an assistant principal at Worley Middle School in Mansfield. **Bekka Lynch** (BA, Theatre Arts) is the technical theater teacher at Wylie East High School in Wylie. **Tashalon McDonald** (Principal Certification, Educational Leadership and Policy Studies) is principal at Morton Elementary School in Arlington. **Elizabeth McWithey** (BFA, Theatre Arts) was production stage manager for Table Rock Theater in Salado last summer. She teaches theatre at Union Grove Middle School in Harker Heights, Texas. **Michelle Strambler** (MEd, Educational Leadership and Policy Studies) is an assistant principal at Daulton Elementary School in Mansfield. **Matthew Yaquinto** (BA, Philosophy) is pursuing a law degree at the Texas A&M University School of Law.

2009

Pedro Cavazos ('09 BA, Interdisciplinary Studies; '11 MEd, Educational Leadership and Policy Studies) is an assistant principal at Sam Houston High School in Arlington. **Jason Fitzgerald** ('09 BA, History; '13 MEd, Educational Leadership and Policy Studies) is an assistant principal at Bailey Junior High School in Arlington. **Tyson Jones** ('09 BA, History; '13 MEd, Educational Leadership and Policy Studies) is an assistant principal at Percy Elementary School in Arlington. **Mark LeClair** (BSN, Nursing) received the Excellence in Nursing award from *D Magazine* for his work in the Emergency Medical Department at Children's Medical Center of Dallas. **Neal Liang** (PhD, Linguistics) is an assistant professor of Chinese in the Department of Modern Languages at UT Arlington. **Jenny Luke** ('09 BA, '13 MA, History) won the 2013 W. Curtis Worthington Jr. Research Paper Competition presented by the Waring Historical Library at the Medical University of South

Carolina. She won first prize in the graduate category for her paper "Asafetida to Aureomycin: African-American Nurse-Midwives, 1930-1950." **Tommy Orellana** (BA, Broadcast Communication) is news-cast director for Univision 23 Dallas. **Wai lam Tam** ('09 BS, Architecture; '12 MCRP, City and Regional Planning) was a finalist in the professional physical submission division of the 39th annual KRob Architectural Delineation competition, the longest-running architectural drawing competition in the world. **Rebecca Regan Walters** (MEd, Education in Curriculum and Instruction) is a fifth-grade teacher in the Hurst-Euless-Bedford Independent School District. **Dana Ware** (MEd, Educational Leadership and Policy Studies) is an assistant principal at Farrell Elementary School in Arlington.

2010

Nadia Ali (BA, Advertising) is a sales manager at RideCentric, a minority-owned chauffeur company in Dallas. **Orieta Barbetta** (BA, Broadcast Communication) is a producer for Univision Broadcasting in Houston. **Zoheb Hassanali** (BA, Broadcast Communication) is a news photojournalist for KCEN-TV in Temple. **Jaime Lopez** (MEd, Educational Leadership and Policy Studies) is an assistant principal at Crowley Middle School in the Crowley Independent School District. **Sevinj Mammadova** (MEd, Educational Leadership and Policy Studies) is head of the education division at the Central Bank of Azerbaijan, where she leads a team of experts planning and implementing large-scale educational reforms throughout the country. **David Muñoz** (MEd, Educational Leadership and Policy Studies) is an assistant principal at the Bill R. Johnson Career and Technology Education Center in the Crowley Independ-

ent School District. **Emily Waddle** ('10 BA, Philosophy; '13 MA, Linguistics) is pursuing a doctorate in philosophy at the University of Iowa. **Elaine Williams** (MEd, Educational Leadership and Policy Studies) is an assistant principal at Zan Wesley Holmes Jr. Middle School in Dallas.

2011

Dominique Black (BBA, Management) graduated from basic training at Joint Base San Antonio-Lackland. He is an airman in the Air National Guard. **Felicia Bolton** (BA, Broadcast Communication/Spanish) is the morning anchor for KTVE-TV in West Monroe, La. Previously she was a reporter at the CBS affiliate in Midland. She was crowned Miss West Texas in 2013. **Miriam Eniolorunda** (BS, Biology) is pursuing a law degree at the University of Wisconsin Law School. **Oscar Escoto** (BS, Economics) is pursuing a law degree at the Oklahoma City University School of Law. **Tonya Free** (BFA, Theatre Arts) is the production manager at the Newport Playhouse and Cabaret Restaurant in Newport, R.I. **Cynthia Hentges** (MEd, Educational Leadership and Policy Studies) is an assistant principal at Hickey Elementary School in Plano. **Stacie Humbles** (MEd, Educational Leadership and Policy Studies) is principal at Butler Elementary School in Arlington. **Kimberly Pope Kindred** (MEd, Educational Leadership and Policy Studies) is an instructor of English at Cameron University in Lawton, Okla. **Danielle Hansen** (BS, Athletic Training) was the athletic trainer for the under-21 women's wheelchair basketball team at the ParaPan Junior Games in Buenos Aires in October. She is a graduate student in the Master of Science in Exercise Science program

Alcon Laboratories in Fort Worth. **Naomi Salas** ('11 MA, Interdisciplinary Science; '13 MEd, Educational Leadership and Policy Studies) is an assistant principal at Woodrow Wilson High School in Dallas. **Randall Seals** (MEd, Educational Leadership and Policy Studies) is principal at Yosemite High School in Oakhurst, Calif. **Carlin Thomas** (MEd, Educational Leadership and Policy Studies) is an assistant principal at Nichols Junior High School in Arlington.

2012

Ali Alam (BS, Biology) received two national medical student research fellowship awards while at the Texas A&M Health Science Center College of Medicine—the American Association of Neurological Surgeons Medical Student Summer Research Fellowship and the Alpha Omega Alpha Carolyn L. Kuckein Student Research Fellowship. **Natalie Baker** (MEd, Educational Leadership and Policy Studies) is an assistant principal at Arlington High School. **Graham Bartlett** (MEd, Educational Leadership and Policy Studies) is an assistant principal at the International Leadership of Texas charter elementary school in Arlington. **Eugene Chandler** (BA, Interdisciplinary Studies) played Carlson in *Of Mice and Men* at Theatre Arlington. **Yu-Jeong Choi** (PhD, Linguistics) co-wrote the article "The locus of the masked onset priming effect: Evidence from Korean," published in the journal *The Mental Lexicon*. **Stefani Goode** (MA, TESOL) is an instructor of English at Cameron University in Lawton, Okla. **Danielle Hansen** (BS, Athletic Training) was the athletic trainer for the under-21 women's wheelchair basketball team at the ParaPan Junior Games in Buenos Aires in October. She is a graduate student in the Master of Science in Exercise Science program

and the athletic trainer for the UT Arlington Movin' Mavs wheelchair basketball team. **Anita Hightower** (MEd, Educational Leadership and Policy Studies) is an assistant principal at the Davis Ninth Grade School in the Aldine Independent School District in Houston. **Dan Hinckley** (BFA, Theatre Arts) is media coordinator at NBC Universal Television Studio in Burbank, Calif. **Saima Hussain** (BA, Political Science) is pursuing a law degree at the Oklahoma City University School of Law. **Kathryn Ivey** (BFA, Theatre Arts) is a crew member and entertainer aboard Disney Cruise Lines. **Ashley Kranjac** (MA, Sociology) is pursuing a doctorate in sociology at the University of Buffalo. She was a UT Arlington sociology adjunct lecturer in 2012-13. **Edgar Maldonado** (BA, Broadcast Communication) is a communications specialist for Univision 23 Dallas and the program and communications manager for Parents Step Ahead in Dallas. **Vanessa Martinez** (BA, Criminal Justice and Criminology) is pursuing a law degree at the Texas A&M University School of Law. **Valerie McDonald Landry** (Cohort MBA) is general manager of the Sanford House Inn & Spa and Restaurant 506 in Arlington. **Angel Medina** (BA, History) is pursuing a law degree at the Marquette University Law School in Milwaukee. **Janet Morrow** (MFA, Art) won first place in the 897 Square exhibition at Gallery 76102 at the UT Arlington Fort Worth Center last summer. She is a lecturer in the Department of Art and Art History at UT Arlington. **Jeremy Schack Hansen** (BA, Art), photographer for the UT Arlington Movin' Mavs wheelchair basketball team, had a photo featured in *Internationales Basketballturnier*, a Swiss sports magazine. **Sonia Salas** (BA, Broadcast Communication) is floor manager at Univision 23 Dallas. **Raul**

Solis (BA, Spanish/Broadcast Communication) is a communication specialist for Aganar Media in Fort Worth. **Nicole Weber** (BFA, Theatre Arts) performed in *Tony and Tina's Wedding*, an interactive theater production, at McDavid Studios in Fort Worth.

2013

Edward Beal (BA, Theatre Arts) performed in *Mirandy and Brother Wind* at Jubilee Theatre in Fort Worth. **Gregory Alan Cooke** (BFA, Theatre Arts) played the part of White in *Of Mice and Men* at Theatre Arlington. **Suzanne Cottraux** (MA, History) is director of public relations and marketing for Tarrant County College. Previously she was vice president of public relations and communications for VHA Inc., a health care group purchasing organization. **Alyssa Davis** (BA, Broadcast Communication) is a camera operator at KTXD-TV Channel 47 in Addison. **Jeff Gatlin** (MEd, Educational Leadership and Policy Studies) is director of technology for the Roaring Fork School District in Glenwood Springs, Colo. **Jose Granados** (BA, History) is pursuing a law degree at the Texas A&M University School of Law. **Ya-Yu "Monica" Hew** (BS, Aerospace Engineering/Physics) and **Erica Castillo** (BS, Aerospace Engineering/Physics) were among five current and former students to test the Wireless Strain Sensing System in Space Application in a reduced gravity environment aboard a NASA aircraft in Houston in November. **Alexandria Jacobson** (BBA, Management) is pursuing a law degree at the St. Mary's University School of Law in San Antonio. **Matt Jones** (BA, Broadcast Communication) is a producer at KLFY-TV in Lafayette, La. **Daniel Kotara** (MEd, Educational Leadership and Policy Studies) is an assistant principal at Borger Middle School in Borger. **Kalee McMullen** (MEd, Educational Leadership and Policy Studies) is an assistant principal at Carter Junior High School in Arlington. **Jeff Neaves** (MEd, Educational Leadership and Policy Studies) is an assistant principal at Goliad Intermediate School in Goliad. **Sean Noell** (BA, Broadcast Communication) is a camera operator for KTXA Channel 21 in Dallas. **Sean O'Brien** (MEd, Educational Leadership and Policy Studies) is an assistant principal at Okmulgee Middle School in Okmulgee, Okla. **Zachary Overfield** (MA, Anthropology) is a project archaeologist for Perennial Environmental Services in Houston, where he designs and implements cultural resource surveys in compliance with the National Historic Preservation Act, National Environmental Policy Act, and numerous other federal and state regulations. **Shaunda Poster** (BA, Broadcast Communication) was a sideline reporter for KTXA-TV's coverage of high school football last fall. She hosted pregame shows for the Dallas Cowboys and FC Dallas. **Edwina West-Dukes** (MEd, Educational Leadership and Policy Studies) is an assistant principal at Atwood McDonald Elementary School in Fort Worth. **Petula Whitfield** (MEd, Educational Leadership and Policy Studies) is the secondary curriculum coordinator for the Beaumont Independent School District in Beaumont. **Brandy Womack** (MEd, Educational Leadership and Policy Studies) is an assistant principal at Dunbar Middle School in Fort Worth. **Lucille Wong** (BA, Advertising/Communication Studies) teaches English as a foreign language at Joongri Elementary School in Busan, Korea. She works with the Teach and Learn in Korea program, sponsored by the Korean Ministry of Education.

In Memoriam

1950s

Phyllis Gwynne Forehand ('53 AA, Journalism), 80, Dec. 23 in Arlington. Ms. Forehand taught journalism at Arlington High School from 1967 until her retirement in 1996. In 1995 Texas Press Women named her Journalism Teacher of the Year.

1960s

Thomas Dale Estill ('63 BBA, Business Administration), 81, June 13 in Mansfield. Mr. Estill retired from the Army reserve in 1984 as a colonel. He then served as a bailiff for the Tarrant County Sheriff's Department. **H.B. Keating** ('66 BBA, Business Administration), 76, Oct. 27 in Granbury. Mr. Keating retired from TXU Energy in 1997 as senior vice president and chief information officer after 41 years with the company. **David Robert Newell** ('66 BBA, Business Administration), 73, Oct. 25 in Fort Worth. A Distinguished Alumnus, Mr. Newell joined his father and brother to form the partnership Newell & Newell. They built Riverbend Business Park, which later became home to the Automation and Robotics Research Institute (now the UT Arlington Research Institute).

George Roth Donovan Jr. ('67 BA, English), 70, Aug. 6 in Arlington. Mr. Donovan taught for 25 years in the Arlington Independent School District. **Philip M. Ola** ('69 BA, '72 MA, History), 66, Dec. 12 in Arlington. Mr. Ola was director of the Congressional Steel Caucus and worked as a lobbyist for the U.S. steel industry and the International Council of Shopping Centers.

1970s

Jeannine Crill Van Noy ('70 MA, English), 83, Dec. 9 in North Richland Hills. Ms. Van Noy taught English for 30 years at Arlington's Sam Houston and Bowie high schools. She later taught in the Tarrant County College District for 15 years. **Patricia Deere** ('72 BA, History), 89, Sept. 13 in Arlington. Ms. Deere taught

history for 12 years at Lamar High School in Arlington and worked in the administrative offices of the Arlington Independent School District. **Walter L. Waechter Jr.** ('72 BS, Biology), 62, July 4 in Fort Worth. Dr. Waechter was a general surgeon in Arlington, maintaining his practice for 37 years. **Tommy Schmidt** ('73 BS, '76 MS, Civil Engineering), 67, Aug. 16 in Fort Worth. Mr. Schmidt was the Southwestern Division Dam Safety Program manager and senior geotechnical engineer for the Army Corps of Engineers. He worked for the corps for 38 years. **Alton Eugene Lewis** ('74 BS, Mathematics), 68, April 30 in Huntsville, Ala. Mr. Lewis worked at DRS Electronics in Huntsville for 38 years. **Brent Skillman** ('74 BS, Psychology), 63, July 28 in Arlington. In 1974 Mr. Skillman founded Fun N Sun Pools, one of the nation's most successful commercial pool businesses. He played baseball at UTA. **Diana F. Conner** ('75 BA, '82 MA, Sociology), 60, Oct. 8 in Arlington. Ms. Conner was a counselor and director in the Educational Opportunity Center at UT Arlington. She also taught at Kennedale High School and was a counselor at Tarrant County College. **Dana Kay Matson** ('78 BA, Communication), 62, Nov. 14 in Denver. Ms. Matson was a disc jockey at KSCS in Denton, a TV meteorologist in Sherman, and served as the voice of NOAA radio in Fort Worth. She was an accomplished artist. **Dennis Dean Jones** ('79 BBA, Marketing), 55, July 1 in Galveston. Mr. Jones operated his own landscaping business for 20 years before becoming a rose gardener at Fort Worth Botanic Garden. He was president of the Fort Worth Rose Society.

1980s

Jim Ford ('80 BS, Criminal Justice), 58, July 31 in Arlington. Mr. Ford served on patrol, in the narcotics division, and as

a homicide detective with the Arlington Police Department from 1976 until his retirement in 2010. He then became a criminal investigator for the Tarrant County District Attorney's Office. **Thomas Finn Jr.** ('81 BA, Journalism), 56, Aug. 10 of Fort Worth. Mr. Finn was a cameraman and news editor at KTVT/CBS 11, where he worked for 30 years. **Bettye Joan Smith Weltman** ('83 BSN), 81, April 30 in Fort Worth. Ms. Weltman was a registered nurse and worked in mental health at the MHMRs of Tarrant and Johnson counties. **James Andrew Conlin** ('84 BS, Architecture), 54, Sept. 20 in Fort Worth. Mr. Conlin was owner and publisher of the *Greater Meadowbrook News* in Fort Worth. **Robert Paul Paleschic** ('88 BS, Civil Engineering), 52, Oct. 4 in Mansfield. Mr. Paleschic was president of EnSien Tech, an engineering business in Burleson, and was involved in numerous area ministries.

1990s

Donna Marie Reed Keeton ('92 BSN), 64, May 9 in Ivanhoe, Texas. Ms. Keeton was the medical director for the Choice Moore and Buster Cole prison units in Bonham before serving as a nurse practitioner at various agencies in Texas. **Sharon Kay Chadwick** ('94 BBA, Economics), 70, Oct. 13 in Arlington. Ms. Chadwick worked in UT Arlington's Financial Aid Office for almost 30 years. She completed her business degree while working at the University. **Jeff Moorehouse** ('96 MBA, Business Administration), 52, May 12 in Fort Worth. Mr. Moorehouse was an aeronautical engineer senior manager at Lockheed Martin, where he worked for more than 26 years.

Faculty and Staff

Joseph W. "Winn" Dalley, 95, Sept. 22 in Fort Worth. Dr. Dalley was a faculty member from 1960-1984. He was chair of the

Department of Engineering Mechanics and later joined the Department of Mechanical and Aerospace Engineering. **Rex Dyer**, 84, March 31 in Dallas. Mr. Dyer was a professor of art from 1956 until his retirement in 1987. He taught life drawing, commercial art, and fashion illustration. **Nail Fazleev**, 65, Oct. 9 in Arlington. Dr. Fazleev was an associate professor of physics. He led the grant proposal committee that received the Graduate Assistance in Areas of National Need from the Department of Education. **Donald Granvold**, 70, Oct. 27 in Dallas. Dr. Granvold was a professor emeritus of social work. A faculty member from 1974-2013, he was inducted into UT Arlington's Academy of Distinguished Teachers in 2010. **Thomas Hellier Jr.**, 84, Dec. 1 in Fort Worth. Dr. Hellier was a biology professor for almost 50 years, retiring in 2006. He and his wife formed the Dr. Thomas R. Jr. and Mrs. Evelyn F. Hellier Biology Scholarship Fund. **Asok Ray**, 65, Oct. 11 in Arlington. A physics professor, Dr. Ray wrote one book and wrote or co-wrote about 200 refereed research publications. He received the UT Arlington Award for Distinguished Record of Research or Creative Activity in 2011. **Roy Rubins**, 78, Nov. 19 in Arlington. Dr. Rubins taught physics at UT Arlington from 1969 until his retirement in 2011. In 1998 the College of Science named him its Teacher of the Year, and he was elected to UT Arlington's Academy of Distinguished Teachers. **Ted Watkins**, 74, Sept. 8 in San Marcos. Dr. Watkins was a faculty member from 1976-99, teaching undergraduate social work classes in the Department of Sociology and Anthropology until 1991, when the School of Social Work began administering the Bachelor of Social Work program. See more *In Memoriam* at uta.edu/utamagazine/in-memoriam.



RAY PRICE

Country music legend Ray Price died Dec. 16 in Dallas. He was 87. Mr. Price received his bachelor's degree in business administration from Arlington State College (now UT Arlington) in 1963. He was a Distinguished Alumnus (1972) and in 1979 the honorary chair of the annual alumni fund campaign. His music career received a big boost when he landed a spot in the Grand Ole Opry in 1952. Among his hits were "Release Me," "Crazy Arms," and "For the Good Times." Mr. Price was inducted into the Country Music Hall of Fame in 1996.



CHARLES A. SORBER

Former UT Arlington President Charles Sorber died Oct. 18 in New York City. He was 74. In addition to serving as the University's interim president in 2003-04, Dr. Sorber was interim president of UT Pan American in 2009-10. He spent 11 years as president of UT Permian Basin in Odessa, where he expanded academic and public service programs, increased enrollment, and established an intercollegiate athletics program. He also served as vice chancellor for special engineering programs in the UT System and was a professor of engineering in UT Austin's Cockrell School of Engineering.

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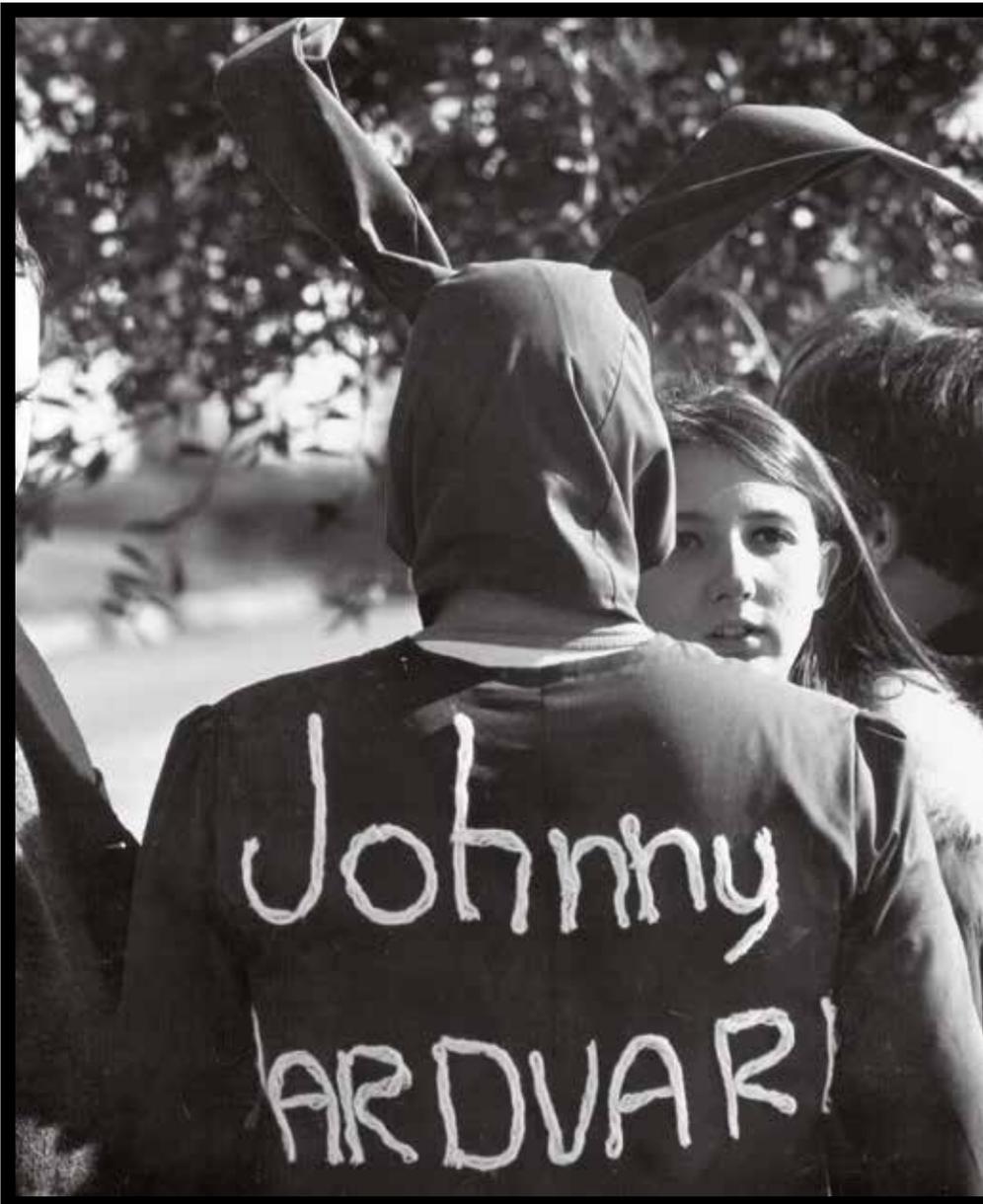
To explore estate planning and gift options, contact Jeffrey Steed, senior director of gift planning, at 817-272-9682 or steed@uta.edu, or visit uta.giftlegacy.com.



LEAVE A LEGACY
GIFT PLANNING AT UT ARLINGTON



Past Johnny Aardvark, 1968



An aardvark as UT Arlington's mascot. It could've happened. Maybe. The story begins almost a century ago.

From 1917, when it joined the Texas A&M System, to 1921, the school's athletic teams answered to Grubbers (after the school's name, Grubbs Vocational College) and Shorthorns (after the campus newspaper, *The Shorthorn*).

Hornets entered the picture in 1921 but buzzed away quickly. When the school became North Texas Agricultural College in 1923, the yearbook was called the *Junior Aggie*, setting in motion a shift from Hornets to Junior Aggies. The institution became Arlington State College in 1949, and the nickname formally changed to Blue Riders. Except Blue Riders never caught on.

In 1951 Rebels won a student vote, and mascot Johnny Reb became a fixture at sporting events. The Old South theme was never seriously questioned until spring 1965 when social progress heralded a more racially sensitive moniker.

The campus held several votes for name changes over the next six years, including 1968 when Aardvarks—the first animal listed in the dictionary—was the top vote-getter. Never the official mascot, Johnny Aardvark made several appearances that year, including at the Homecoming parade and a few football games.

In a 1971 election in which students could vote for any name other than Rebels, Mavericks prevailed over Toros, Rangers, and Hawks.

The first Maverick mascot was a horned horse. In later years it was loosely patterned after Samuel Augustus Maverick (1803-1870), a Texas lawyer, politician, and land baron. His name is the source of the term "maverick," which means "independently minded."

Blaze, a white horse with a blue mane, represents today's Maverick mascot. Horses can run circles around aardvarks. Besides, "Let's go, Aards"? Nah.