Robots to the Rescue

These versatile microrobots (and others tinier than a flea) could create a safer America
The 2010-11 season is the last full season that the Maverick basketball teams will play in Texas Hall before moving to the 6,500-seat College Park Center in 2012.
Resolving an Education Crisis
by Donald Bobbitt

As we build momentum in another year full of opportunity, certain memories of 2010 remain vivid. Who could forget the live video feeds from remotely operated cameras that showed oil gushing into the Gulf of Mexico for more than 100 days? Likewise, we can still visualize the lingering hurt of a national economic crisis in the eyes of friends and family members struggling to find work.

But the crisis foreshadowed when the College Board ranked America 12th worldwide in graduation rate is harder to see, yet no less of a threat. Nationally, only 4 of 10 adults ages 25 to 34 hold a college degree.

For Texas, the stakes are more intense. By 2020 more than 80 percent of jobs will require a college education, but only 31 percent of Texans in the young adult demographic have one. Texas now claims law to one of the nation’s least-educated populations, ranking 41st in young adults with a degree.

UT Arlington is working diligently to reverse this trend. Our campus has experienced remarkable growth in recent years and now boasts more than 33,000 students. We are attracting a more academically accomplished group of scholars, as nearly 30 percent of first-time, full-time freshmen in fall 2010 ranked in the top 10 percent of their high school class—up from 25 percent the previous year. As we nurture the talented and diverse Mavericks, we endeavor to improve the odds that each of them earns a UT Arlington diploma.

We have expanded our ranks of academic advisors and charged top academic leaders with improving services that first-year students need to succeed. Today, UT Arlington students hold jobs while attending classes, and more than half say they are the first in their family to attend college. To speed them along their path, Texas must continue to invest in adequate higher education funding and financial aid support. UT Arlington offered students more than $322 million in scholarships, grants, and other forms of financial aid in 2010-11—up nearly 40 percent from the previous year. Such support allows students to forgo the lure of an hourly wage now for the promise of a better life later, a life that only a four-year degree affords.

Higher education is bigger than a future paycheck. Time invested in a comprehensive, four-year institution is time invested in learning how to think critically. College students who wrestle with complex problems and those who have affected others over time learn how to analyze, dissect, and potentially resolve the crises of their own day—crises such as gushing oil wells and a struggling economy.

The coming education deficit is a crisis we can avert with an unwavering focus on helping more students go to college and giving them the tools they need to succeed. UT Arlington, we will.

As last year’s freshmen returned for their sophomore year—up from 61 percent a few years ago. We know that students who return for their second year are much more likely to graduate.

We’re calling on students, professors, parents, and friends to raise expectations so that those enroll ing in their first semester of college understand that their mission is to stick with it and earn their under graduate degree in a reasonable amount of time. President Barack Obama recently underscored this critical goal, saying that education is “the economic issue of our time.”

Our collective challenge across America is to produce 8 million more college graduates by 2020. That challenge is immense. Almost 75 percent of UT Arlington students hold jobs while attending classes, and more than half say they are the first in their family to attend college. To speed them along their path, Texas must continue to invest in adequate higher education funding and financial aid support. UT Arlington offered students more than $322 million in scholarships, grants, and other forms of financial aid in 2010-11—up nearly 40 percent from the previous year. Such support allows students to forgo the lure of an hourly wage now for the promise of a better life later, a life that only a four-year degree affords.

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Dancing is more than just movement for twins Diana, left, and Nadia Martinez Cepeda. It’s telling ancient stories that amplify their culture. “We dance the light color rather than the typical dark University colors. The article on referrals was very interesting. To accomplish so much young is impressive. It’s interesting to learn about the successes of alumni in non-traditional enterprises rather than the more traditional academic areas of research.”

JOHN PRIEST
Arlington, Texas

MAGAZINE REDESIGN IMPRESSIVE THROUGHOUT I look forward to reviewing each issue of your magazine. Being a UTA graduate, I love reading about my alma mater and seeing the latest in campus activities. I read it from cover to cover — it is so well written. The articles are interesting and important, and I loved the new design of the fall 2010 issue. The great photography and your use of graphics help the paper flow. I am a graphic designer, so I appreciate well-designed pieces. Your magazine is outstanding in all categories!

KRISTY LIBOTTE KEENER ‘71
Arlington, Texas

SHOWCASED STUDENT - CREATIVITY Thank you so much for highlighting the work of my students in the “Gallery” section of the fall 2010 issue of UTA Bulletin. It’s a wonderful way to increase our awareness of the extraordinary creativity of our growing student body. I can’t get enough about the dedication, accomplishments, and research of our UTA community through your magazine. It is a publication I always read with pride.

DARBY LAUTER
Arlington, Texas

DINOSAURS FOR KIDS I teach first-grade science at the Hockaday School in Dallas. I was surfing the web and stumbled across the UTA Arlington Magazine website. I was thrilled to read about the work you are doing at the Arlington Archosaur Site (winter 2010). The first grade began covering dinosaurs in our curriculum for the first time ever. So I will share this information with them. They’ll be excited to know this is happening so close to home.

LARA GERRU
Dallas, Texas

Facebook

Twitter
Mavericks Calling the Shots in Pro Sports

The story about the UTA alumni who are NFL and NBA referees (fall 2010) is very cool. It just goes to show how hard work and determination can get you far in this virtual world we live in. As a plus, it’s also cool that we have Mavs in the world of professional sports.

JORDAN SILVER
Fort Worth, Texas

Impressed by Success of Young Alumni I read your newest magazine (fall 2010). I liked the light color rather than the typical dark University colors. The article on referrals was very interesting. To accomplish so much young is impressive. It’s interesting to learn about the successes of alumni in non-traditional enterprises rather than the more traditional academic areas of research.

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YouTube

Ironman Reveals the Keys to Perseverance Baseball Hall-of-Famer Cal Ripken Jr., who played in a record 2,632 consecutive games for the Baltimore Orioles, spoke on campus this spring as part of the Maverick Speakers Series. Watch a video excerpt from his speech at youtube.com/utarlington

Flickr

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“The motivation behind the building was to enable UT Arlington to be more competitive for contracts and grants so that our research funding would continue to grow.”

A New Era of Discovery

Opening of Engineering Research Building brings engineers, scientists together

Collaboration and research form the foundation for the 234,000-square-foot Engineering Research Building (ERB), the last of three College of Engineering expansion projects and the centerpiece of the Research Quadrangle. A March 4 ribbon-cutting heralds completion of the ERB, which opened for classes and research in January 2011. The state-of-the-art structure houses laboratories, classrooms, and office space to accommodate many of the national research projects of the College of Engineering and the College of Science.

The Bioengineering Department and some College of Science faculty work together in the four-story west wing on research into medical imaging, tissue engineering, and other issues that impact health and daily living. The Computer Science and Engineering Department (CSE) occupies the six-story north wing. Researchers there delve into a range of database issues as well as human-centered computing for homes and hospitals, among other projects.

For Filia Makedon, the ERB brings her department’s computing for homes and hospitals, among other projects. It occupies the six-story north wing. Researchers there delve into a range of database issues as well as human-centered computing for homes and hospitals, among other projects.

“The motivation behind the building was to enable UT Arlington to be more competitive for contracts and grants so that our research funding would continue to grow.”

Dr. Makedon, professor and chair of CSE, which previously was divided among several buildings. “Working more closely with researchers in the other departments in the ERB will most likely create new research projects.”

Growth and competition built the ERB, too. “The motivation behind the building was to enable UT Arlington to be more competitive for contracts and grants so that our research funding would continue to grow,” College of Engineering Dean Bill Carroll says. “Our national research projects of the College of Engineering and College of Science enrollment also has experienced strong growth.”

“Why seek such a demanding student position? I wanted to make a difference and be able to connect with students. I remember coming to freshman orientation. The Student Congress president wore a suit, and I didn’t want to go up and talk to him. So during orientation this year, I wore a polo shirt and khakis, and I talked to a lot of students. I think it made me more approachable.”

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Awards

J. C. CHIOA
Electrical engineering Professor J. C. Chioa has received an O’Donnell Award in Engineering from the Academy of Medicine, Engineering and Science of Texas. Dr. Chioa was recognized for his pioneering achievements in developing wireless, implantable sensors that can help treat severe and refractory disease.

CAROLYN CASON
A study by nursing Professor Carolyn Casan won the Best Research Award from the Society for Advance

DIGGING UP PROGRESS

The College Park residential and retail development is rising south of UTA Boulevard, between Pecan and Center streets. Brooking ground last fall, were from, Donna Wiles, senior pastor at First Baptist Church-Arlington. Robert Clark, Arlington mayor, and UT Arlington President James D. Spaniolo. Expected to open in summer 2012, the $120 million project includes an $18 million commitment from the city toward a parking structure and 14 acres of land donated by the church. College Park will feature a residence hall wrapped around an 1,800-vehicle parking garage with street-level retail and office suites, as well as a campus welcome center, a satellite campus police station, and 61 apartments. It’s part of the 20-acre College Park District, which includes the 6,500-seat College Park Center events venue now under construction and The Green at 20-acre College Park District, which includes the 6,500-seat College Park Center events venue now under construction and The Green at

Signature Gift

Carrizo Oil & Gas contributes a record $5 million toward construction of College Park Center

One of UT Arlington’s most highly anticipated construction projects received a big boost last fall when Carrizo Oil & Gas Inc. pledged $5 million to support College Park Center. The gift is the largest single cash commitment in the University’s history. The Houston-based energy company has been developing the University’s natural gas resources for several years and in 2009 donated $1 million to establish a graduate research fellowship to attract top scholars and researchers to UT Arlington. The natural gas partnership has generated more than $8 million in royalties since campus wells went into production in late 2008. UT Arlington learned in 2008 that the campus sits on a sweet spot within the Barnett Shale, one of the largest natural gas fields in the nation. Since then Carrizo has completed 22 wells at a combined 8.6 million and an increase from 5,000 to 6,500 donors.

J.-C. CHIAO
College Park, an urban oasis for campus and community members.

UT Arlington Magazine SPRING 2011 9

CAMPUS CAMPUS

with architectural firm HKS Inc., examined hospital room designs for right- or left-handed health care workers and the need for other room standardization.

RAMON LOPEZ
Physics Professor Ramon Lopez received the 2010 Distinguished Scientist Award from the Society for Advance ment of Chicano and Native Americans in Science. He is one of five honoring nation-wide recognized for “exemplary scientific achievement, teaching, mentorship of underrepresented minority students.”

DARRYL LAUSTER
Art Assistant Professor Darryl Lauster has received a prestigious Joan Mitchell Foundation grant for painters and sculptors. He is one of 25 artists to receive the honor this year. Lauster’s work often reflects his interest in American history and mythology.

DONOR CONTRIBUTIONS MORE THAN DOUBLE

Philanthropic support reached record levels last year, accelerating the University’s progress toward becoming a major national research institution. UT Arlington generated unprecedented $15.2 million in gifts and pledges in the 2009-10 fiscal year, up from $5.9 million the previous year. The total includes the largest cash commitment in the University’s history—$5 million from Houston-based Carrizo Oil & Gas Inc. to support College Park Center, now under construction. UT Arlington President James D. Spaniolo credits alumni, in-kind, and corporate donors for strengthening the philanthropy portfolio. “Great universities, and great state universities more than ever, depend on the support of generous alumni and friends to enhance their academic and research profiles,” Spaniolo says. “UT Arlington is striving to bring major donations to increasing private support from our partners.” A unique aspect of the University’s philanthropy program is the Maverick Match, which leverages new endowments with royalties generated by the natural gas exploration partnership with Carrizo. The program matches gifts of $5,000 or more paid out over five years. Last year brought 67 Maverick Match commitments valued at $4.3 million. “A strong endowment underpins strong academic programs and provides long-term financial stability for universities,” says Jim Lewis, vice president for development. “These endowed gifts are building momentum and provide that margin of excellence.” Lewis credits the 43-member Development Board chaired by Ralph Ewbank, chief executive officer of HIK Inc., with playing a major role in helping the University achieve record giving levels. Other 2009-10 highlights include 31 new endowments valued at a combined $1.6 million and an increase from 5,000 to 6,500 donors.

SPRING

GAMING STUDIO CRASH COURSE

Not many classes feature a whiteboard out in outer space or a fantasy-based action adventure. But these and other make-believe elements come play out in the Gaming Studio courses offered by the Department of Art and Art History. Students learn the basics of how games are created, from concept to programming to prototyping, then use a Unity 3D game engine to produce and test their ideas. Alumnus Jim Cole, who teaches the course, has credentials in video game development and animation. “My students experience and understand the building blocks and rules involved in creating games,” he says. “They also learn good communication skills among the artists, engineers, and designers on the development team. One endorser made this important issue in the design.” In a Narrative Future. According to the Entertainment Software Association, the video games business contributed $9 billion to the U.S. economy in 2009.

Crash Course

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ART 4392

U.S. economy in 2009. Contributed $5 billion to the

Awards

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Grants

SHIN-HI CHAO
The National Science Foundation has awarded a three-year, $1 million grant to a College of Engineering research team to study earthquake survivability and make buildings more durable. Civil engineering Assistant Professor Shin-hi “Simon” Chao is the principal investigator.

HAMLIN LIU
Beaming professor Hamlin Liu has received a three-year, $980,000 National Institutes of Health grant to investigate a minimally invasive way to screen for and diagnose prostate cancer using a multichannel optical imaging system.

CHENGKAI LI, GAUTAM DAS
Two computer science engineering faculty members have landed a three-year, $500,000 National Science Foundation grant to develop an Internet search engine that treats the Web more like a massive database. Chengkai Li and Gautam Das are exploring a system that allows searches involving multiple entities and assesses how the entities are related.

SUBHRANGSU MANDAL
The National Institute of Health has awarded a three-year, $444,000 grant to biochemistry Assistant Professor Subhrangsu Mandal to explore chemicals in the environment that interfere with four hormone functions. Dr. Mandal is testing items like milk and water from various sources for endocrine-disrupting chemicals that can cause cancer and reproduction problems.

DETECTING SOLUTIONS TO NUCLEAR THREATS
UT Arlington researchers are working to keep the country safe from nuclear materials. Physics Assistant Professor Wei Chen, physics professor Andrew Brandt, and their team received more than $1.3 million from the National Science Foundation and the U.S. Department of Homeland Security to develop nanoparticles for radiation detection. Their research could lead to a new type of detector that would help reduce the threat of nuclear materials brought into the country illegally and used in terrorist attacks. “The broader impact of this proposal is potentially enormous,” Dr. Chen says. “Development of more-effective neutron detection devices could be of immeasurable benefit to society if it were to help detect or prevent a nuclear incident.” With Chen and Brandt as co-principal investigators, the team is developing polymer thin films embedded with luminescent nanoparticles that will glow with light when they encounter radiation sources, such as gamma rays. Chen says the new detection method is easier to build and more accurate than current luminescent devices. “The unique aspect of this proposal is that the nanoparticles are formed into hybrid ‘crystals’ that combine the high stopping power and excellent energy resolution of crystals with the potentially high quantum efficiency and short decay lifetimes associated with nanoparticles,” Brandt says. Once tested and demonstrated, the new detectors could cost about $25 for a crystal that’s one centimeter wide and 10 centimeters long. The project includes an educational outreach component. Lectures, seminars, and an annual symposium are planned to spark student interest in research and promote the idea that nanotechnology, high-energy physics, and nuclear engineering can work in concert to improve homeland security.

SONG IN B
UT Arlington biologists have discovered that songbirds carry around an unexpected virus in their genes—modern Hepatitis B. “And it’s been sitting there for at least 19 million years, far longer than anyone thought this family of viruses had existed,” Associate Professor Cedric Feschotte says. He and Clement Gilbert, a postdoctoral researcher, whose invention was lauded by a select group of NSF researchers. “It’s truly a green analyzer.”

What’s at Fault?
Professors co-author study disputing source of devastating 2010 Haiti earthquake

The cause of last year’s earthquake in Haiti may not be what scientists previously believed. If two UT Arlington professors are right, the region remains under seismic threat.

A study co-written by College of Science Dean Pamela Jansma, earth and environmental sciences Professor Glen Mattioli, and scientists at several other universities concludes that the previously unmapped Léogâne fault—not the Enriquillo-Plaín Garden fault, as first believed—caused the massive Jan. 12, 2010, temblor.

Eric Calais, Purdue University professor of earth and atmospheric sciences, led the research team, which included experts from the University of Miami and institutions in Saudi Arabia and Haiti. Drs. Calais, Jansma, and Mattioli have worked together since the mid-1990s and obtained some of their data from a joint 2004 National Science Foundation-funded study of surface deformation and seismic activity in Hispaniola. The researchers found that instead of moving the ground east to west, as they believed a quake from the Enriquillo-Plaín Garden fault would, the 2010 earthquake actually moved the ground toward the fault and upward, causing shortening of the ground surface in the region near the quake. Those measurements, along with data about the location of the earthquake and its after-shocks, suggest that a rupture of the Enriquillo-Plaín Garden fault, as first believed—caused the massive Jan. 12, 2010, temblor.

PURNENDU DASGUPTA
What do you do when lifesaving technology harms the environment? If you’re physics professorfounder “Sandy” Dasgupta, you innovate. His analyzer for arsenic in drinking water is more effective and environmentally friendly than current methods of detection, which involve toxic chemicals like lead and mercury. This technology could help the more than 50 million people at risk of exposure from naturally occurring arsenic contamination in South and East Asia. There, at least 700,000 have arsenicosis, which is caused by chronic arsenic exposure through drinking and can lead to serious health problems, including fatal cancers. With a National Science Foundation grant, Dr. Dasgupta and his team developed a more sensitive testing machine that could be used in the field. “The instrument presently uses basically water, air, electricity, and a very small amount of sulfuric acid that is recycled,” says Dasgupta, whose invention was lauded by a select group of NSF researchers. “It’s truly a green analyzer.”
**Volcanic Reaction**

Anthropologist collaborates on new theory about why Neandertals became extinct

Anthropologist Naomi Cledgorn and a team of Russian archaeologists believe they know what drove Neandertals into extinction, and they’re gaining national recognition for their groundbreaking theory.

Dr. Cledgorn, an assistant professor in the Department of Sociology and Anthropology, worked in a research group led by Liubov Vitaliena Golovanova of Applied Psychology from the University of Applied Psychology, said the Neanderthals’ extinction and cleared the way for modern humans to thrive in Europe and Asia. Studies about the research have appeared in The New York Times and on the USA Today and National Geographic News websites.

Evidence comes from the Mezmaiskaya cave in the Caucasus Mountains of southern Russia, a site rich in Neanderthal bones and artifacts. Recent excavations revealed two layers of volcanic ash that coincide with large-scale volcanic events that occurred around 40,000 years ago, the researchers say in their paper. Geological layers containing the ashes also hold evidence of an abrupt and potentially devastating climate change. Sediment samples from the two layers reveal greatly reduced pollen concentrations compared to surrounding layers. That’s an indication of a dramatic shift from forests and grasslands to open steppe, the researchers explain.

Further, the second of the two eruptions seems to mark the end of Neanderthal presence at Mezmaiskaya. Numerous Neanderthal bones and stone tools have been found in the geological layers below the second ash deposit, but none are found above it.

The theory that climate change led to the Neanderthals’ extinction is gaining ground around the world. The problem with it has always been that the Neanderthals had survived several oscillations in environmental conditions before. The research team believes that linking their extinction with a massive volcanic eruption makes more sense than tying it to a gradual climate change.

"A volcanic event has a very rapid impact on the landscape," Cledgorn explains. "The environment literally crashed at that point. The ash layers the team studied correspond chronologically to the Campanian Ignimbrite super-eruption of 40,000 years ago in modern-day Italy and a smaller eruption thought to have occurred around the same time in the Caucasians Mountains. The researchers argue in their paper that these eruptions caused a "volcanic winter" as ash clouds obscured the sun, possibly for years. The climate shift devastated the regrowth ecosystems, "possibly resulting in the mass death of hominins and prey animals and the severe alteration of foraging zones." Anthropologists have long puzzled over the disappearance of the Neanderthals and the apparently concurrent rise of modern humans. This research suggests that the advantage may have been simple geographic location. Neanderthals unintentionally occupied the more southern parts of western Eurasia and Africa and thus avoided much of the direct impact of the ... eruptions," Cledgorn writes.

While the researchers stress that more data from other areas in Eurasia are needed to fully test the hypothesis, they believe the Mezmaiskaya cave offers "important supporting evidence" for the idea of a volcanic extinction. **STUDY SUGGESTS POSSIBILITY OF LIFE ON OTHER PLANETS**

The universe may soon get a little less lonely. Astronomers Manfred Cuntz and Juri Ebrile recently published a paper in the American Astronomical Society’s Astrophysical Journal Letters that suggests the possible existence of a planet in the θ Orciars star system, 69 light years (400 trillion miles) from Earth. Previous researchers have suggested that a planet may exist in θ Ortas, a binary star system visible only from the southern half of the globe. The study by Dr. Cuntz, a physics associate professor, and Ebrile, a recent doctoral graduate, indicates there’s a significant chance that it is in a retrograde orbit. Such planets orbit the primary star in a different direction than the orbit of the secondary star. A retrograde orbit is unheard of for a planet in an extraterrestrial planetary system but does occur for some moons in our solar system. If confirmed, the existence of such a planet would enhance the search for planets in multiple stellar systems, including those that could potentially support life. "If our theoretical studies turn out to be applicable to the θ Orciars system, they could provide evidence for the formation of a planet in a retrograde orbit in a stellar binary system," Cuntz says. Previously, retrograde planetary orbits have been detected for planets around single stars in regard to the stellar rotational axis. The research team’s findings likely will attract widespread attention, according to another expert in the field. "The results of Ebrile and Cuntz are important for the big hot topic of astronomy, namely extrasolar planets. There are a lot of questions about the formation of planets in double stars," says Balazs Drozdz, a research associate at the Institute for Astronomy at the University of Vienna. "Not only that, but the solar neighborhood, more than 60 percent of the stars are not single." The θ Aurigae astronomers’ study finds a slim chance that the suggested planet is in a prograde orbit, traveling in the same direction as the primary star’s partner star. This is unlikely, however, since it would require detailed assumptions concerning the orbital parameters of the planet.
Blackbird Speaking

COLLEGES RECEIVE FUNDING FOR MATHEMATIC SCIENCE EDUCATION

Everything’s bigger in Texas—except the supply of math and science teachers. To help support the certification of new educators in these fields, the National Science Foundation has awarded a $1.45 million Robert Noyce Teacher Scholarship Program grant to UT Arlington’s College of Education and Health Professions and the College of Science. The two colleges are working with the Arlington, Dallas, Hurst-Euless-Bedford, and Fort Worth school districts on the five-year project, which places teacher candidates in early field experiences with mentor teachers. The grant complements a previous NSF Robert Noyce Grant for $569,000. Together, the awards offer two-year, $10,000 annual scholarships to selected undergraduate students seeking teacher certification in middle school science and mathematics and in high school earth science, biology, chemistry, and physics. The new grant further supports post-baccalaureate students seeking to switch careers and become secondary math or science teachers. Those returning students may apply for a one-year, $10,000 scholarship. The newly certified math and physical science teachers pledge to serve at least two years in a high-need school for each year of scholarship support. Professor Ann Cavallo, associate dean of the College of Education and Health Professions, is the principal investigator on both Robert Noyce grants. She is collaborating on the new NSF grant with co-principal investigators Greg Hale, assistant dean of science; Ramon Lopez, professor of physics; Theressa Jorgenson, assistant professor of mathematics; and Laura Mydlarz, assistant professor of biology. Hale, Lopez, and mathematics Associate Professor James Epperson were co-investigators on the previous grant.

OPEN MIND

Journalist and author Lisa Ling encouraged a packed Texas Hall crowd to see the world and gain perspectives on different cultures. Ling, who hosts Explorer on the National Geographic Channel, was part of the fall lineup for the 2010-11 Maverick Speakers Series. Others included award-winning filmmaker Ken Burns and celebrity chef Rick Bayless. The spring 2011 semester kicked off with Major League Baseball Hall of Famer Cal Ripken Jr. and features scientist, educator, and innovator Bill Nye on March 22. All Maverick Speakers Series lectures are free but require a ticket, which can be obtained at utatickets.com. For more information and speaker videos, visit uta.edu/maverickspeakers.

SAFE AND SOUND

New Smart Care center aims to make houses more livable for seniors and the disabled

Smarter homes and better care are the goals of one of UT Arlington’s newest projects. At the Smart Care center, researchers from the College of Engineering and College of Nursing pursue technology to help senior citizens, people with disabilities, and injured veterans live healthier and longer in their own homes.

“I’m proud to see that UT Arlington is once again leading the way when it comes to high-tech medical care,” says U.S. Rep. Joe Barton of Texas, who helped secure $634,500 in funding for the project from the Health Resources and Services Administration. “The technology developed will give more seniors a chance to spend their golden years at home. Plus, Smart Care will reduce costs while at the same time allowing nurses and doctors to be more efficient with their time.”

Kathryn Daniel, a nursing assistant professor and director of UT Arlington’s Adult and Gerontologic Nurse Practitioner Program, serves as program manager.

Researchers will work with business and industry partners to integrate advanced sensors, wireless communication, and other technologies into a simulated home environment. Technologies slated for evaluation include a bathroom with a health-monitoring toilet and electronic mat, an electronic medication delivery and reminder system integrated into a computer network, and a sleep center equipped with sensors to monitor sleep disturbances.

Smart Care researchers will use UT Arlington’s new Smart Hospital and lab space in the Social Work Complex to begin their work. They also plan to build relationships with area senior living centers where technology can be installed. Eventually, organizers foresee the Smart Care center being its own freestanding facility with a living environment and research stations.
FRESHMAN MAKES HISTORY

Emily Koenig won the individual Southland Conference title in women’s cross country last fall, the first Maverick to do so in 35 years. She also became the first athlete in SLC women’s cross country history to be named Freshman of the Year and Athlete of the Year in the same season. Koenig completed the six-kilometer run in 21:30.30, eight seconds ahead of Stephen F. Austin sophomore Lauren Smith, leading the women’s team to a fourth-place finish. “It was one of the most incredible races that I've seen a freshman run,” coach John Sauerhage says. “No one has ever won a conference championship as a freshman here at UT Arlington.”

Koenig’s achievement came in exciting circumstances, as a field of 16 runners were under spotlights of media and spectators. With a large lead in the early stages, the race went back and forth until the final stretch. Koenig maintained a steady pace, clinging to the lead and crossing the finish line with a gap of eight seconds.

In addition to Koenig, the Maverick women’s cross country team also excelled, finishing fourth out of 16 teams. The team’s collective effort showcased their competitiveness and dedication to the sport. Koenig’s success not only brought pride to the Maverick community but also set a new benchmark for future athletes.

AMANDA AGUILERA

Junior outside hitter Amanda Aguilera made the first team as a freshman in the Southland Conference. She excelled on the court, posting a 17-15 record. Aguilera’s performance was highlighted by her high stats, averaging 3.52 digs per set, ranking 10th in the SLC. She also averaged 3.83 kills per game, leading all non-conference opposition.

AMANDA AGUILERA

Junior outside hitter Amanda Aguilera earned first-team All-Southland Conference honors for the Maverick volleyball team. She finished fifth in kills per set in conference play (3.48) and led all non-defense specialists in digs per game (3.32), ranking 10th in the SLC. Aguilera, who also made the first team as a freshman, helped UT Arlington post a 17-15 record.

ALICIA SHAFFER

Junior libero Alicia Shaffer, the first volleyball player in UT Arlington history to win a Southland Conference title, earned first-team All-Southland Conference honors as a senior. She averaged 6.22 digs per set.

TREY HILLMAN

The Los Angeles Dodgers hired former baseball standout Trey Hillman as their bench coach. Hillman (’91) was most recently manager of the Kansas City Royals.

Well Played

Christian Jaeger, Tracy Burr-Lemonia, and Jim Marcum inducted into Athletics Hall of Honor

The prestigious ranks of the Athletes Hall of Honor grew by three members and four championship teams last fall.

Christian Jaeger (’85-95) helped lead the men’s tennis team to three Southland Conference championships and was named SLC Player of the Year for a conference-record three consecutive years. He earned first-team all-conference honors in singles and doubles for the 1994-95 season and was one of only nine players in SLC history to take all-conference honors three times. Jaeger registered at least 21 wins in singles competition all four years at UT Arlington.

“The one thing I’m most proud of is not my achievements but the friends I made who shared their time with me,” Jaeger says. “Tennis is for four years and you’re done, but the friendships you make last a lifetime.”

Tracy Burr-Lemonia (’85-88) led the women’s basketball team in scoring all three years she played, averaging a school-record 19.6 points per game during the 1987-88 season. She scored at least 300 points each year and registered 530 as a senior, good for sixth on the University’s all-time scoring list. Burr finished her career with 1,316 points, ranking her fifth in school history.

Jim Marcum (’98-02) was a starting defensive back for the Arlington State College (now UT Arlington) football team and averaged four tackles per game. He led the team in interceptions both years he played. Following his senior season, he was voted first-team all-conference, was an All-Texas College selection, and earned honorable mention All-America honors.

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Coach Judd Ramsey considered Marcum one of the best defensive backs he ever coached.

The 1998, 1999, 2000, and 2000 men’s SLC championship teams dominated the sport like few before, winning four consecutive conference tournament championships and three regular-season titles, and earning 10 all-conference selections. Under the direction of seven-time SLC Coach of the Year Patric DuBois, the teams posted a 59-35 overall record and a 16-3 conference mark.

SPRING 2011 37
By 9 a.m. weekdays, the Maverick Activities Center buzzes with students coming and going. Studying in lounge areas and working at computers, they’re a serious lot, focused on the day at hand.

The mood is markedly lighter back in the new Center for Healthy Living and Longevity, where 20 people older than 65, some of them strapped into weight vests, walk laps around the gym. An instructor calls them to rows of folding chairs, where they stand, sit, stretch, and lift their arms, performing chair exercises until it’s time to walk again. In the next room, another group plays Wii games on a balance board and competes on a bowling computer game.

The smiles after any success are brilliant. These people have lived long enough to know it’s a good idea to enjoy the moment. The goal of the study: to determine if exercises and games can help prevent falls.

Across campus in various disciplines, UT Arlington researchers and instructors are studying ways to help the nation’s growing elderly population enjoy more moments. Wisdom comes with age, but so can ailments, forgetfulness, and isolation.

More than one in eight Americans is older than 65. The 40 million people in that age group are expected to increase to 55 million in 2030.

High-tech UT Arlington discoveries may one day give caregivers ways to monitor whether someone has gotten up, taken medication, eaten, moved around, or fallen. Other studies and programs explore memory and exercise.
**SOUND MIND AND BODY**

Lucille Oltion, a blonde in a new pair of New Balance sneakers, perches on a folding chair at the Maverick Activities Center (MAC) and talks about her routine: “I can walk three miles in two hours.” That’s about three trips a week for hour-long sessions at the MAC.

Oltion is 90. Like 50 percent of women over 75 nationwide, she lives alone. Her husband, with whom she moved to go gambling, died two years ago. “I like to be fit,” the Arlington resident says, “and I like to be with people.”

That makes her perfect for kinesiologist Assistant Professor Chris Ray’s trial. The Kinesiology Department is leading efforts by the newly formed Center for Healthy Living and Longevity.

In this study, Dr. Ray seeks ways to prevent falls. His project involves evaluating the subjects’ balance, as well as assessing their ability to use sensory information like vision. Because many falls take place when seniors are multitasking, that also is evaluated.

The subjects are tested initially, during, and after the 15-week intervention.

**PREPARED TO CARE**

As we continue to live longer, the number of really elderly—those 85 and older—is growing. Americans in that age group should number roughly 5.7 million this year and grow by 15 percent to 6.6 million in 2020, according to the federal Administration on Aging. And with greater age, we often need more care.

That’s where Kathryn Daniel’s department steps in. Dr. Daniel directs the Adult and Gerontological Nurse Practitioner program in the College of Nursing.

She says the demand for nurses who specialize in geriatric care is increasing, primarily because of the increasing numbers of older Americans, but also because some older Americans may wait until their Medicare kicks in before consulting a doctor. The prevalence and incidence of many chronic diseases increase with age. Daniel’s graduates (baccalaureate-prepared registered nurses with a master’s degree in advanced practice) help fill the need by caring for such patients in primary and specialty care practices, nursing homes, hospices, patients’ homes, and hospitals.

They are proficient in fields that specifically affect the elderly: managing chronic disease, preventive care, screening, and counseling. Nurse practitioners can help guide care for an elderly patient as they transition through the many sites where health care is delivered today.

Daniel is also the program manager for Smart Care, a discovery and demonstration center for technologies to help senior citizens, people with disabilities, and injured veterans live healthier and longer in their own homes. Using a $634,500 grant from the U.S. Health Resources and Services Administration, researchers work with business and industry partners to integrate advanced sensors, wireless communication, and other technologies into a simulated home environment.

If Ray, Odegard, Makedon, Daniel, and others at UT Arlington have their way, more older patients will lead healthier lives, with less fear.

Meanwhile, back at the Maverick Activities Center, the studies continue.

Raul Ramirez, research coordinator for Ray’s project, looks impatient. Oltion and Ornelas already had missed a computer session and are about to miss laps in the gym. Oltion has begun talking proudly about her late husband’s skill at the baccarat table.

Ramirez has everyone moving, gives weight vests to those who may need additional strength training, and generally keeps an eye on the program. As she heads back to the gym, it’s obvious that Oltion’s dedication to exercise and her bright, active mind at 90 are a testament to the possibilities.

“Walking helps me,” she says. “Walking—and praying, some days.”

“Web extra: Watch a video at uta.edu/utamagazine.

**TECHNOLOGY TO THE RESCUE**

Across campus, research at the Heracleia Human-Computer Centered Computing Laboratory is leading to ways to monitor whether someone remembered to take medication or eat. Researchers in the project directed by Fillia Makedon, chair of the Computer Science and Engineering Department, aren’t using live subjects, but they’re looking at real situations, including falls and caregiver concerns.

Housed in the new Engineering Research Building, the lab is named after a city in antiquity where Hel- lenic culture thrived.

“We chose this name to symbolize an imaginative world where technologies are at the service of humans, with a focus on those who need special help,” thus bringing out the human side of technology,” says Dr. Makedon, who organizes the international conference, Pervasive Technologies Related to Assistive Environ- ments—in short, using technology to help the elderly or disabled.

The interdisciplinary study includes psychology Ph.D. student and project leader Crystal Cooper, kine- siology PhD candidate William Wilson and Brad Hed- dins, and researchers from UT Southwestern Medical Center at Dallas and UT Arlington.

It’s important for computer scientists’ work to have personal appeal,” she says.

**BALANCING ACT**

Offered through the Center for Healthy Living and Longevity, a study headed by kinesiologist Chris Ray, right, aims to help Charles Clay and others stay healthy and independent.

Improvements are occurring in overall fitness—some weight loss and gains in walking distances—and in popularity of the trial. “Our numbers have doubled,” Ray says. “We have 90 participants, with another 70 on the waiting list.”

What drives the participation? Ray says fear can be a great motivator. Says Oltion: “I had a bad fall. I had broken a bone. That gave me an incentive to start taking calcium.”

“When I exercise, it makes me feel better,” Oltion adds. “I know it’s certainly better than sitting home playing games on the computer.”

Psychology Assistant Professor Timothy Odegard also has older people working out at the MAC, but for different reasons. Anyone who has ever forgotten why she walked from the bedroom to the kitchen will hope for success in this study on the effect of cardiovascular fitness on memory.

Dr. Odegard’s 12 subjects, 65-75 years old, first stay idle for three months and get baseline brain scans. Then they do cardio on a treadmill for another three months and repeat the scans. The idea is to gauge whether cardio reactivates regions of the brain that may have slowed or stopped functioning.

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**REMOTE CONTROL**

Sensors at a mock apartment in the Heracleia Human-Computer Centered Computing Lab could enable caregivers to monitor the daily activities of an elderly person.

“We can get you to the gym and change the physiology of the brain, then you can remember to go to the dry cleaners.”
Shorthorn editors have graduated to careers in law, journalism. Leading the student newspaper, they say, filmmaking, acting, business, academia, and, of course, has shaped what they've become. BY DANNY WOODWARD

Fit to Print

In the E.H. Hereford University Center basement where UT Arlington's venerable student daily is produced—a newsroom since 1994 but before that a bar, two things that some may say really aren't so different—there's an office festooned with beanbag chairs, stacks of yellowing newspaper, and a commanding view of computers and cub reporters.

At various times, this office has been called, charmingly, the Fishbowl. That's mostly because it's dominated by glass windows. But it's also because, like an aquarium in a doctor's lobby, everybody watches what happens here. And what happens here matters. Here is where the editor in chief of The Shorthorn sits. And so, here is where University news is born or buried, where ideas incubate, where young journalists are trained and summoned for accountability. Here is staged a juggling act of photos and copy and ads and headlines and bylines and deadlines.

In 92 years of publication, 135 individuals have served as Shorthorn editor in chief. I was No. 112, for one exigent semester, in fall 1997.

It's a learning process, and what editors learn is this: Shorthorn editor in chief is simultaneously the most intimidating and most exhilarating job you can imagine. You balance college energy with journalistic integrity, Bluto Blutarsky with Ben Bradlee. And whether you do it for one semester or for half your college life, you emerge forever changed.

"It prepared me for the 'big time'—whatever that is," says spring 1991 editor Glen Golighty, whose big time is producing films in Los Angeles. "Being editor in chief of The Shorthorn means being ready to do anything: write, edit, fix ancient computer terminals, deal with physical or verbal threats, pat someone on the back, or kick him in the butt."

Walt Stallings, editor in spring 1976, was to the point (and on point) when he said, "Actually, working on the paper was the fun part."

In the same way that the boat ride is the fun part of being lost at sea.

THE PATRIARCH AND HIS PAPER
The Shorthorn's first editor was a farm boy from Dallas named Nathaniel Killough. He was a member of the Wilsonian Literary Society, an organization focused on training cadets (UT Arlington was a military academy in those days), in debate, and he started a publication to promote the club. His journalism résumé was limited: He had paid his tuition by delivering the Dallas Dispatch.

Still, he and Herman Brautigam, who would succeed Killough at the editor's desk, assembled 20 of their peers and produced The Grubonian in February 1919. Their publication printed only once, on two 8 1/2 x 11 pages, and was remade as The Shorthorn two months later. Killough couldn't have imagined how his little flyer would take off.

The Shorthorn has been on campus longer than any building (Ransom Hall opened later in 1919). Among student organizations, only the ROTC is older. The paper is one of the few links shared by almost all alumni and nearly all incarnations of the University. For decades it has been rated one of America's top college papers, and it was a charter member of the College Media Hall of Fame.
“THE HARDEST CALLS”

One pivotal story—usually accompanied by a thorny decision—seems to arrive almost every editorial.

In 1977 Phil Latham was caught in the middle of a public feud between a fraternity and a group of student-athletes. Other controversial stories have included student journalism programs at the University of Missouri, Northwestern University, and the University of California, Berkeley. The Texas Tribune’s “Morning News” Dunkin, a recipient of the prestigious Livingston Award recognizing outstanding young journalists. “But those programs also don’t guarantee that any student can learn better reporting and writing skills than those UT Arlington and The Shorthorn can teach its staff. I put our alumni up against the other leading journalism programs any day.”

And sometimes the editor in chief’s biggest challenge isn’t what to do with a bombshell story. It’s what to do when you have a top editor in chief who fired other people’s employees for a living.”

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“WHAT I LEARNED IN THE NEWS-ROOM made me who I am as a woman, a mom, a wife, a friend, a business owner, an attorney, and a professional.”

Not surprisingly, it has produced editors in chief who have earned acclaim in and out of journalism. That includes Tulane, in editor in summer 1998, who has won prestigious Katy and Houston Press Club awards, was the Houston Chronicle’s reporter of the year in 2007, and was a founding staffer for the influential uptown The Texas Tribune.

Joan Weist (fall 1981, spring 1982) is vice president in charge of governmental relations for the Arlington Campus Communities, an Austin-based company.

Jon Weist (fall 1981, spring 1982) is vice president in charge of governmental relations for the Arlington Campus Communities, an Austin-based company who fired other people’s employees for a living.”

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It’s pretty simple,” she says. “If not for a ball of fire from Grand Prairie. Today she’s a defense attorney, and she’s known for. “At the same time, having responsibility goes to a committee that considers staff members’ votes, among other things. She does, however, nurture the editor, and that’s a role she relishes.

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With their surveillance, crowd-control, and intelligence-gathering skills, the tiny robots that UT Arlington researchers are inventing and mass-producing could transform the defense industry. By O.K. Carter

The slight creature scurrying through the leaves pauses. It darts left to avoid a fallen branch, flattens itself to crawl under yet another branch, then clambers over a pile of refuse before hesitating, as if testing the air or scouting an enemy. Or both.

As small as it is—smaller and lighter than a deck of cards with legs—it is transporting even smaller creatures that will soon power up and fan out, testing water and air, listening and watching, perhaps clamping to anything that moves and communicating its location. Maybe they’ll be weapons, going where no person could safely go. They may see in the dark, hear in the silence.

Clearly these are not biological creatures, though they can emulate biological forms by walking and possibly swimming and flying. No, they’re microrobots, essentially sensors of all kinds but with a handy capacity. They can move, take orders, communicate. They can function in harsh environments. Best of all, they’re cheap and expendable, perhaps even self-destructing when their usefulness ends.

And their future is almost now at UT Arlington’s Texas Microfactory, a component of the College of Engineering’s Automation and Robotics Research Institute (ARRI) in Fort Worth. The Texas Microfactory is a global leader in developing microsystems, one component of which is tiny robotic devices that can be mass-manufactured.

Leading the interdisciplinary effort are half a dozen scientists and graduate students who combine forces in robotics, microtechnology, and even chemistry to make what ARRI Director Harry Stephanou calls “flea-sized robots.”

‘FLEA’ MARKET
Dr. Stephanou believes microsystems will be a major U.S. industry, creating tens of thousands of jobs. The Defense Department has invested almost $11 million in microsystems at ARRI, with more likely to come.

“Our defense-oriented work includes research and applications related to swarms of small robots,” Stephanou says. “These can be used for surveillance, for crowd control and dispersal, intelligence gathering, or many other functions.”

Microrobotics specialist Mohammad Mayyas, a faculty associate researcher at ARRI, says the microfactory has almost perfected the larger devices. “Now we’re working on ways to make tinier and more flexible robots for real-world applications.”

Here’s a quick lesson in microrobotic basics. First, microrobots come with two mechanical styles, discrete and continuous. Discrete models tend to be “bigger”—a few centimeters long—with mechanical parts like legs or wheels, tiny motors, and batteries. Continuous models are usually smaller and manufactured in what appears to be a single piece, though in fact they are composite structures folded into techno-origamis.

Their power may come from acoustic or radio waves since they’re too small to carry batteries.

Second, think of microrobots in three sizes. The first

SMALL STEPS, BIG IMPACT
Called “Starbot,” this microrobot’s unique leg system allows it to maneuver around obstacles and return to an upright position if it flips over.

Robotics Revolution

With their surveillance, crowd-control, and intelligence-gathering skills, the tiny robots that UT Arlington researchers are inventing and mass-producing could transform the defense industry. By O.K. Carter
Researchers in the Texas Microfactory manufacture tiny robots in large numbers under the direction of Harry Stephanou, below.

“In my view, we aren’t just one of the front-runners. We are the world university leader in manufacturable microsystems.”

BEYOND PROTOTYPES

Stephanou's technological Holy Grail is converting ARRI's specialized niche into a real-world economic development driver for Texas and the nation.

They need to move from chips to working devices and from there to collections of devices, or systems. That first jump typically accounts for 85 percent of the cost of the devices.

In short, says ARRI team members Woo His Lee and Rakesh Murthy, industry wants actual manufacturing processes—the ability to make the tiny robots on a kind of assembly line.

“Our goal is not only to create products but also the technology to create the products,” Dr. Murthy says. “It’s what’s called concurrent engineering.”

The laboratories at the Texas Microfactory are doing just that, producing micromachining modules operating in clean rooms that can turn out the little robots in big numbers. And sometimes very economically.

Sometimes the tools and devices needed to do this don’t exist in the marketplace, Murthy says. “So we have to either make them or modify existing products.”

The idea is to create micromaching modules that become assembly lines utilizing as many existing components as possible. This ability to create commercial-ly viable manufacturing systems is a critical distinc-

tion for ARRI and the microfactory.

We differentiate ourselves because we have a chain from innovation to research and development, prototyping, and pilot production,” Stephanou says. “There’s no other university that I have ever seen—even in Germany where they’re good at this sort of thing—that in-

cludes pilot production.”

For example, a company might have developed a prototype in the lab and now wants to make batches of 100, 1,000, or 10,000.

“They look around and say, ‘Where do we buy the equipment for the actual manufacturing?’” Stephanou says. “For this kind of technology, the answer often is that the equipment does not exist. And they don’t have a process to make it exist. We do. That’s the value in what we’re doing. We can make such projects viable.”

Microfactory engineers are building machines—manufacturing modules—that can create microrobots at the nano, micron, and millimeter levels.

The micron level seems to be the sweet spot with the greatest demand right now,” Stephanou says. “Our specialty is that we can produce small runs of devices or products for private companies or government.”

If a company wants to develop 500 units—or 2,000—the microfactory can develop the process and produce the device, such as tiny robots that can carry all kinds of payloads.

When thinking about microrobots, Stephanou believes that it’s critical to remain "technologically agnostic." “All too often, scientists or researchers become fixated on one technology or material or another,” he says. “We try to go with what works. If that means using silicon or glass or polymers or met-

als—molding, stamping, and folding—that’s what we’ll do. There’s no one-tech-

nology-fits-all when it comes to making tiny robots or other microsystems.”

He believes UT Arlington is setting the pace. “We’re only just now scratching the surface of what has enormous economic potential. In my view, we aren’t just one of the front-runners. We are the world university leader in manufacturable microsystems.”

PILOT PRODUCTION

This magnified look at the micromachining technology being perfected by UT Arlington engineers illustrates the ability to create microrobots the size of a flea and smaller.
Two men and a woman huddle, talking in the affable way friends do. "He probably went home and cried into his $30 million glove," one of the men says.

The other man, wearing a blue Texas Rangers baseball cap, concurs. "Yeah, and after that he probably curled up into his giant pile of money and got a good night’s sleep."

The woman snickers. "No kidding," she says. "Unbelievable!"

The three are discussing high-priced New York Yankees slugger Alex Rodriguez and his game-ending strikeout the night before that sent the Rangers to their first World Series.

But this conversation isn’t at a local sports bar or a restaurant over lunch. Actually, it’s in a classroom at 8:15 a.m. on a Saturday, just before a four-hour marketing course begins.

The 40 or so people convened this October morning are all divided into similar groups, chatting about weekend plans, upcoming class projects, and, yes, that baseball game.

"OK, let’s get it out of the way," says the instructor, Larry Chonko. "Go Rangers!"

The class erupts into claps and cheers. Dr. Chonko, the Thomas McMahon Professor in Business Ethics in UT Arlington’s College of Business, then segues into the day’s lesson on marketing communications. The students focus on the projector or their laptops, where they’ve pulled notes from online.

FRIENDS AND SCHOLARS

Such camaraderie and cohesion among classmates reflects the format of the class. The students are enrolled in the Cohort Master of Business Administration program and will earn their MBA in just two years. They target one subject every five weeks, with two four-hour classes per week on weekends or after business hours. The non-traditional hours and fast pace make cohort programs attractive to working professionals seeking to boost their credentials.

It’s an intensive process, one that naturally draws students together, Chonko says.

Students in UT Arlington’s cohort programs say the group-learning method develops skills that benefit their careers through its team-based approach, networking opportunities, and quick pace. BY AMBER SCOTT
"Students really learn from each other as they develop relationships with others in the class. Many activities are team-focused. This provides opportunities to lead, manage, create ideas, make decisions, reach conclusions, and defend actions—all essential skills that will benefit them greatly in their careers."

Melanie McGee, director of MBA programs in the College of Business, calls the interpersonal connection a major advantage to cohort learning. "It's about team-building. It's an enriching knowledge-gain experience where students feel freer to engage because they know each other."

"I started with a group of classmates, have taken almost all my classes with them, and I will graduate with that same group," she says. "I have been especially fortunate to work with a fabulous group of intelligent, motivated women on numerous group projects. We call ourselves G3 Power, and each of us brings a different perspective and skill set to the group."

"Girl Power worked with the Tarrant Area Food Bank on its Signature Empty Bowls fundraiser. The group helped improve room layout and process workflow and presented recommendations to Susan Pye, the food bank's community events director. Pye was so impressed that she invited Cunningham and her pals to participate in the Empty Bowls planning for 2011."

"You have to attack those classes," says Tina Castillo, assistant director of UT Arlington MBA programs and herself a recent cohort MBA graduate. "You really have to have a plan for how you approach and succeed."

"We have become kind of like a family, and we're there for one another, to help each other study and make sure we all succeed."

"We have to get to know each other. We always have the same courses at the same time, and we also have nursing clinical together as a group. We have become kind of like a family, and we're there for one another, to help each other study and make sure we all succeed," says David Tapia, principal at Hutcheson Junior High in Arlington, earned his principal certification from the Educational Leadership Program UT Arlington (ELUTA). The program was the prototype for the College of Education and Health Professions' current principal certification program. Tapia says the different perspectives his fellow classmates brought to each class were invaluable.

"The diverse nature of the students in my cohort provided exposure to many different types of school leaders and districts," says Tapia, now in his 13th year as an administrator and 10th as a principal. "I feel my success is due in part to the amazing foundation and practical experience I earned in ELUTA."

Chonko believes that dynamism is what ultimately defines a cohort.

"No one wants to listen to an instructor for four hours, so there is a greater demand to engage in dialogue with the students," he says. "How that occurs varies. In my classes, much of the learning occurs by engaging in active-learning exercises. My role is to provide some knowledge and thought foundation, but the students do all the work!"

Ultimately, success in a cohort program largely depends on the students' ability to do just that: all the work. They must adjust to the fast pace, work collaboratively with classmates, and engage in every lesson. Those who succeed discover that the format has helped them with more than just earning their degrees and powering a career.
We Are the World

International alumni are making an impact in all corners of the globe.

The reach of UT Arlington alumni extends far beyond North Texas. With graduations finding success in 60 countries on six continents—from Mexico to Thailand to Australia—the University’s global reputation as a premier destination for higher education continues to grow.

In some cases that reputation approaches royal stature. Nasser Ahmed Lozi, who earned a bachelor’s degree in civil engineering in 1979, serves as chief of the Royal Hashemite Court for Jordan’s King Abdullah II and has been described as the second most powerful person in Jordan. Lozi received the University’s first Distinguished International Alumni Award at the 2010 Distinguished Alumni Gala in October.

“UT Arlington is fortunate to be enriched by diverse talents from around the world,” said Alumnus Mustaque Ahmed, the University’s Executive Director Lora Malone says. “With his impressive credentials and strong desire to be an advocate for diverse cultures spanning the world,” Alumni Association yours for the University’s voice is heard worldwide. He recently established the Tribal Banks United to Network and Determine Educational Resolution (THUNDER), a coalition of Native American clubs at 12 North Texas colleges and universities. He also co-founded the American Indian Community Council in Dallas, which started a health clinic in Tarrant County.

“My goal is to uplift the school’s image and to provide a way for the University community to contribute to the betterment of the world,” says Ahmed, a Bangladeshi native who earned a bachelor’s degree in economics in 1981. “In time, I hope the institute helps the University continue to gain prominence nationally as well as globally.”

By all accounts, this vision is being realized. Nearly 300 UT Arlington alumni call China home. The University’s Asia Executive MBA program is one of the largest of any foreign university in China and boasts more than 1,500 alumni. Many graduates, and even current students, are high-ranking executives at some of the country’s largest corporations.

“It was really exciting during that period of time in my life,” says Ignacio Nuñez’s parents taught him the value of a good education long before he was a successful Arlington doctor or a UT Arlington Distinguished Alumnus. “My mother always told me that I was just as capable as anyone else; who my family to wherever my father was stationed,” Dr. Nuñez says. “We hope American Indian students will complete their academic goals wherever they enroll,” he says. “Students can then give back to our American Indian communities as future leaders and role models for their kind.

The University’s Maverick Match program. Ignacio Nuñez has practiced obstetrics/gynecology in Arlington for 27 years, and he serves as president of the medical staff at Texas Health Arlington Memorial Hospital from 2008 to 2010. He graduated from UT Arlington with a bachelor’s degree in biology in 1977 and went on to attend UT Southwestern Medical School at Dallas. “My mother was an avid reader who bestowed upon me several gifts that have served me well,” he says. “First is a shared love of reading, second an insatiable curiosity, and third an adventurous life as a child traveling with my family to wherever my father was stationed.” Dr. Nuñez says. “My mother always told me that I was just as capable as anyone else, regardless of race or social standing.”

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ELITE EIGHT Since 1965 UT Arlington has recognized its most outstanding alumni with the Distinguished Alumnus Award. Honored at the 2010 Distinguished Alumni Gala in October were, from left, Clifford Mahoney ’82, Robert Irish Jr. ’74, James McSwain ’70, Ignacio Nuñez ’75, Nasser Ahmed Lozi ’79, Thomas Rosvolsky ’74, ’78, and Greg Sarson ’71. Oliva received the Distinguished Alumni Service Award, and Lozi received the first Distinguished International Alumni Award. The Distinguished Alumni Award is the highest honor bestowed by the University and Alumni Association, and the Distinguished Alumni Gala generates significant scholarship funds for students.

ALUMNI GIFT MATCHED TO ENDOW SCHOLARSHIPS

Ignacio Nuñez’s parents taught him the value of a good education long before he was a successful Arlington doctor or a UT Arlington Distinguished Alumnus. Now, Dr. Nuñez and his wife, Lynda, are honoring his mother with the Carmen Bueno Nuñez Post-Medical Scholarship. The couple also have established a second scholarship named after Lynda Nuñez’s mother. The endowment for both scholarships is $50,000, a combination of a $25,000 gift from the Nuñez family and $25,000 from the University’s Maverick Match program. Ignacio Nuñez has practiced obstetrics/gynecology in Arlington for 27 years, and he serves as president of the medical staff at Texas Health Arlington Memorial Hospital from 2009 to 2010. He graduated from UT Arlington with a bachelor’s degree in biology in 1977 and went on to attend UT Southwestern Medical School at Dallas.

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Joseph Bohanon has a way of bringing people together. The Choctaw Nation of Oklahoma tribe member formed the Native American Student Association (NAAA) while a UT Arlington student in 1994. Later he established the Tribal Banks United to Network and Determine Educational Resolution (THUNDER), a coalition of Native American clubs at 12 North Texas colleges and universities. He also co-founded the American Indian Community Council in Dallas, which started a health clinic in Tarrant County.

“It was really exciting during that period of time in my life,” says Ignacio Nuñez’s parents taught him the value of a good education long before he was a successful Arlington doctor or a UT Arlington Distinguished Alumnus. “My mother always told me that I was just as capable as anyone else, regardless of race or social standing.” Dr. Nuñez says. “My mother always told me that I was just as capable as anyone else, regardless of race or social standing.”

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Also enjoying the Alumni Gala festivities were, from left, Keith Siller ’73, Bob Watson ’13, Carolyn Weis, and engineering Dean Bill Carroll.

Also attending the mixer were, from left, Jennifer Cathcart ’91; Daniel Kauth ’84, Tommy Simmons ’72; and Chris Kuza Jr. ’06.

Arlington Mixer

Sety Satymurty ’09 and his son, Ravi, attended an Arlington alumni mixer hosted by the Alumni Association in November.

Dr. Joseph Bohanon is president, Choctaw Native American Alliance.
ALUMNI NEWS

Join fellow Mavericks in networking and celebrating UT Arlington from 6 to 8 p.m. Monday, March 7, atanchaps Uptown (501 Uptown Park Blvd., Houston). RSVP and more details: uta.edu/alumni/alumnimixer

MAVERICK RING SALES
A bailiff representative answers questions and takes official Maverick ring orders 9 a.m.-3 p.m. March 9-10 in the E.H. Hines University Center. Rings may be purchased any time by visiting the Alumni Association at 841 W. Mitchell St. in Arlington. uta.edu/alumni/alumnimixer

HALL OF HONOR ADDS DISTINGUISHED CADETS

Col. Joe B. Smith, top, Brig. Gen. Richy D. Gibbs, center, and Maj. John Gallatin Kearby are the 2011 inductees into the Military Science Hall of Honor. Smith earned a B.B.A. degree in 1963 as a distinguished military graduate. He was selected to direct with the All-Army team and was placed in charge of rifle and patrol training activities while stationed in Korea and Japan. After receiving his flying license, he served tours of duty in Vietnam as a reconnaissance pilot and an administrative flight officer. Upon receiving a master’s degree in industrial psychology, he became an operations officer and later a helicopter battalion training officer. Smith retired from the Army in 1989 and later worked for Bell Helicopter as a logistics engineer. Gibbs received a B.A. degree in 1962. He also earned master’s degrees from Troy State University and the U.S. Army War College. He served in Germany prior to being named chief of personnel and training for the combat training center at Fort Leonardwood, Kan. He later served as chief of the Army Initiatives Group. Following two tours of duty in Iraq, he became chief of staff for the 1st Infantry Division in 2008. Among his awards are the Bronze Star Medal and the Meritorious Service Medal. Kearby received an associate degree in 1943 from North Texas Agricultural College (now UT Arlington). He later graduated from Southern Methodist University and became a teacher. He served in the Army Air Corps from 1943 to 1945 and played a vital role in developing the high-altitude pressure suit. His work pioneered the spacesuits used by today’s astronauts. Both John Kearby and his brother, Neil, were killed in separate accidents during World War II while on flying missions over the Pacific Ocean.

BILLY RYE
The popular scientist, educator, comedian, author, and TV host entertains and amuses as part of the Maverick Speakers Series. 7:30 p.m. Wednesday, March 23, in Texas Hall. His Bill Nye the Science Guy TV show has won seven national Emmy Awards for writing, performing, and producing. uta.edu/maverick-speakers

AUSTIN ALUMNI MIXER
Wear your blue with a brighter shade of orange from 6 to 8 p.m. Tuesday, March 29, in the patio at Iron Cactus (1901 Stonelake in Austin) to network with fellow Mavericks. RSVP and more details: uta.edu/alumni/alumnimixer

ALUMNI PICNIC
Food and fun await at the Alumni Association’s Annual Alumni Picnic in the park from 11 a.m. to 2 p.m. Saturday, April 9, in Doug Russell Park. uta.edu/alumni/alumnipicnic

Caring Heart

Alumna Sada Herrera restores hope in West Africa

Sada Herrera ’06 is devoting her life to addressing Sierra Leone’s overwhelming need for medical and dental care.

“It’s hard to imagine that this country has six million people but only 75 registered physicians and only eight dentists,” the nursing graduate says.

Herrera and her husband, Gabriel, a dentist, have spent more than a year and a half in the West African nation as part of the Global Connection Partnership Network (GCPN), an international nonprofit that links people with churches and other organizations.

In November GCPN and several partners, including UT Arlington, helped open the Hope Center near Freetown, the Sierra Leone capital. The 11,000-square-foot center, which serves families devastated by the country’s 11-year civil war, features a dental and medical clinic, a conference room, male and female dormitories, classrooms, a computer lab, and a guest house.

UT Arlington participants included the Africa Program, College of Nursing, School of Social Work, College of Engineering, and Intercollegiate Athletics. Engineering professors designed the center’s electrical systems. Social work faculty contributed to the educational curriculum. Nursing professors consulted with medical personnel. Athletics donated sports equipment.

Herrera says she’s proud to have earned her degree from a university that’s restoring hope in the war-torn region.

“This gives me an opportunity to use my nursing skills to help meet the physical and spiritual needs of the people of Sierra Leone. I have the ability—and the duty—to pass on the same knowledge I learned at UT Arlington.”

GLOBAL IMPACT
Lo Daniels ’05 understands the power of education to transform lives. Last year the interdisciplinary studies major graduated from her first grad at the Maytan International School (MIS) in the western highlands town of Copán Ruina, Honduras. Using foreign language teachers to teach in English, MIS offers preschool through “colegio” classes to about 300 children. Honduras is one of this poorest countries in the western hemisphere, and those English-language skills offer important advantages. “Without Maytan, many of our students would attend underfunded, overcrowded schools,” Daniels says. “Even with MIS, some students struggle to balance their work schedule, farm labor and the pressure to marry early—with the less immediate rewards of education.” Indeed, nations-wide only about 23 percent of Honduran students finish high school. “Our goal is to keep expanding our capacity so that more and more students can benefit from the untold—and too often untapped—wealth of knowledge of a world-class education.”

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student in human services at Capella University. Richard Henderson (ME) is principal at The High School in Fort Worth. Draw Lowry (’17, B.A., History, ’14 ME) is an assistant principal at Westview Hills Elementary School in Fort Worth. James Statham (BA, Political Science; ’05 ME) is a principal at Clark Elementary School in Fort Worth.

1999

Beth Brunk-Chavez (PhD, Educational Psychology) is a professor at the College of Liberal Arts at UT Tyler. She has an interest in the field of research on student motivation and writing studies. Shadi Khadivi (ME) is principal at Elpis Elementary School in Westlake. David Douglas (ME) is principal at Tarrant High School in Mansfield. Paige Murphy (BS, Interior Design) is an associate for Corgan Associates, an architectural and interior design firm based in Dallas. George Nunnah (’99 MS, ’12 PhD, Mechanical Engineering) has been promoted to professor at Purdue University Calumet, where he continues to serve as chair of the Water Institute and co-ordinator for the continuing education graduate program. Matthew Opalach (BS, Biology) is a researcher in the laboratory of Visiting Physician Association office in Fort Worth. Corinne Tice (BS, Communication) is a head girls’ basketball coach at the Alpha School in Fort Worth.

2000

Tahora Caldwell (’00 BA, Communication) is principal of the Water Institute and co-ordinator for the continuing education graduate program. William Haddad (’00 BBA, Management) is a principal at Tidwell High School in Fort Worth. Melissa Kays (’00 ME) is principal of the Fort Worth Independent School District. Brandon E. Allen (BA, Political Science; ’05 MS, Taxation) is assistant principal at Brandenburg High School. He has been elected state representative of the Far North Dallas and Mesquite Independent School District in Sandy, UT. Terri Williams (’00 BA, English, ’10 MS, Political Science) is an assistant principal at Halliburton in Kilgore, Texas. Doreen A. Davis (’00 BA, Political Science) is a special agent for the Department of Homeland Security, Immigration and Customs Enforcement. She continues to serve as chair of the Water Institute and co-ordinator for the continuing education graduate program.

2001

Laura M. Dodge (’01, B.A., Communication Technology) experienced a.research assistant in Oregon. Kayla Johnson Grumman Weightless Flights of Discovery in McAllen, TX. She is a bilingual teacher of second grade at Haynes Elementary School in Fort Worth. James Davis (’01 MS, Electrical Engineering) has retired after 39 years in the aerospace industry, including 25 years at Lockheed Martin Missiles and Fire Control. Evan Hackman (’01 MS) is a music teacher at Trinity University School in San Antonio. James Davis (’01 ME) is an assistant principal at Fort Worth High School. He has been elected state representative of the Far North Dallas and Mesquite Independent School District. Chelan Dillard Dore (’01 BA, Chemistry) is a research assistant for the Faculty of the Chemical Society in the United Kingdom. He has also been a research assistant at the University of Iowa Hospitals and Clinics.

2002

Candice Blake (’02, B.A., Communication) is a sales associate at Cross Timbers Intermediate School in Fort Worth. Holly McCallan (’02 BA, Theatre) is an assistant principal at the Fort Worth Independent School District. She is also the head coach of girls’ basketball and head volleyball coach at the University of Virginia. Madison Muñoz (’02 BA, Political Science; ’07 MS, Political Science) is a research assistant at the University of Texas at Austin. She has also been a research assistant at the Field Museum of Natural History in Chicago. Jason Kastl (’02 BS, Electrical Engineering; ’07 MS, Electrical Engineering) is a sustaining engineer lab manager at Honeywell in Scientific Valley. He has also been a research assistant at the University of Texas at Austin. He has also been a research assistant at the University of Texas at Austin.

2003

Camille Anderson (’03 ME) is an assistant principal at De Zavala Elementary School in Fort Worth. Derek Hinton (’03 ME) is an assistant principal at Ferguson Junior High School in Arlington. Lessa Miller (’03 ME) is an assistant athletic director for the Birdville Independent School District in Haltom City. Alice Hammons Murdock (’03 ME) is principal at Oakland Elementary School in Ft. Worth and a member of the Texas Association of School Business Administrators. She is also a member of the chapter of the American Marketing Association. She is also a member of the chapter of the American Marketing Association.

2004

Jedda Loncar (’04 BA, Communication) is a research assistant in Oregon. He continues to serve as chair of the Water Institute and co-ordinator for the continuing education graduate program. Susan Sherrod (’04 ME) is principal of the Arlington Heights Junior High School in Fort Worth. Amanda Smith (’04 MS, Taxation) is assistant principal at Tidwell High School in Fort Worth.

2005

Jodi Crystal Adair (’05 BA) is an assistant principal at Pearce Elementary School in Fort Worth. Patti Woodall (’05 MS) is a history professor at UT El Paso, where she is a member of the College of Liberal Arts. Amy Bishop (’05 ME) is an assistant principal at Rayburn Elementary School in Arlington. Kim Mosier (’05 BA, Political Science) is an assistant principal at Prince Mediterranean High School. She is also the head coach of girls’ basketball and head volleyball coach at the University of Virginia. She has also been a research assistant at the Field Museum of Natural History in Chicago. Nancy Halliburton (’05 ME) is an assistant principal at the School of Excellence in San Antonio. She is also the head coach of girls’ basketball and head volleyball coach at the University of Virginia. She has also been a research assistant at the Field Museum of Natural History in Chicago. She has also been a research assistant at the Field Museum of Natural History in Chicago.

2006

Clint Hill (’06 BA, Criminal Justice) is a research assistant in Oregon. He continues to serve as chair of the Water Institute and co-ordinator for the continuing education graduate program. Kristin Hageman (’06 BA, Criminal Justice) is a research assistant in Oregon. She is also the head coach of girls’ basketball and head volleyball coach at the University of Virginia. She has also been a research assistant at the Field Museum of Natural History in Chicago.

2007

Calvin Johnson (’07 BA, History; ’09 MS, Political Science) is an assistant principal at the University of Texas at Austin. He has also been a research assistant at the University of Texas at Austin. He has also been a research assistant at the University of Texas at Austin. He has also been a research assistant at the University of Texas at Austin. He has also been a research assistant at the University of Texas at Austin. He has also been a research assistant at the University of Texas at Austin.
In Memoriam

1940s

Charles Brubaker (42 AAS, General Studies), 87, March 27 in Dallas. Dr. Brubaker had been a professor of biochemistry at UT Arlington from 1969 to 1995. He was a member of the National Academy of Sciences.

1970s

Robert Wayne Case (70 BBA, Mechanical Engineering), 63, Sept. 14 in Fort Worth. He was a project manager at Oceaneering International in New Orleans. He was a founding member of the Tarrant County Bar Association in 1976.

1980s

Charles Davis Allen (50 AAS, General Studies), 78, May 17 in Boston. Mr. Allen worked in finance for 44 years. He was a member of the UT Arlington Hall of Honor.

Earl Corbitt 75, Nov. 4 in Arlington. Mr. Corbitt was an airline maintenance manager for 37 years.

Earl K. Dorn 84, April 2 in Fort Worth. Mr. Dorn worked in sales and marketing for Atrium Health, now Carolinas HealthCare System, in Charlotte.

1990s

Bryce D. Beyer 68, Oct. 21 in Mansfield. Dr. Beyer was a retired associate professor of computer science at UT Arlington.

Andrew Baum died Nov. 22 in Keller. He was 86. Dr. Baum was the director of the University of Maryland University College in Fort Worth. He was a retired associate professor of psychology at UT Arlington. He was a founding member of the Texas Association for Behavior Analysis. A memorial service was held Nov. 25 in Fort Worth.

Jesse Brinkley 87, March 28 in Fort Worth. Mr. Brinkley worked as a security supervisor at Harris Methodist Hospital in Fort Worth from 1974 to 2011. If you have questions about making a donation, contact the UT Arlington Development Board.

2000s

Fair D. (89 BBA, Accounting), 50, May 27 in North Richland Hills. Ms. Sowers led Bible studies and cared for the sick and elderly at St. Elizabeth Catholic Church in Fort Worth from 1974 to 1991.

2010s

Karen Coley-Stephens (80 BBA, Management), 56, June 6 in Austin. Dr. Stephens worked as a dean at UT Arlington and a professor of management at the University of North Texas. She was a member of the Hill Country Quilt Guild.

Pieter C. Toft 85, May 27 in North Richland Hills. Ms. Toft lived in Colleyville and worked for AT&T.

Rick C. Cox (73 BBA, History), 63, March 12 in Dallas. Mr. Cox was a field officer and sales manager at Central House Products for 10 years.

Raymond L. Linnstaedt 53, March 30, May 21 in Arlington. She was a family practice physician for 25 years.

Karen Springston 63, Feb. 23, 2010, in Fort Worth. Mr. Springston was a lecturer in mathematics at UT Arlington and a professor at Brookhaven College.

R. James Sheppard 70, Jan. 31 in Azle. Mr. Sheppard worked at Lockheed Martin Aeronautics for many years. He later owned and operated Ray Sheppard Auto Group in Azle.

Fay Ogilvie 72, Nov. 15, 2010, in Arlington. Dr. Ogilvie was a manager of the DFW Adventure Park in Richardson.

JAMES KOPP

An associate professor of psychology, James Kopp died Nov. 19 in Arlington. He was 62. Dr. Kopp was a member of the National Academy of Sciences. A memorial service was held Nov. 25 in Fort Worth.

More than 6,600 donors made gifts and pledges to the University in 2009-10, providing more than $15.2 million in support for scholarships, research projects, endowments, and other academic programs. We hope you are proud to name among these benefactors.

Your support makes a difference in the lives of our students and in our impact on society. Thank you for helping fuel UT Arlington’s ascent toward becoming a nationally recognized research university.

PS. Help keep the momentum going. You can ensure your inclusion in the 2010-11 listing by making a gift of $100 or greater to any of the University’s programs by Aug. 31, 2011. If you have questions about making a donation, please contact the Office of Development at 817-272-2384. You also may make a gift online at www.uta.edu/giving.
STEADFAST SUPPORT
James Quick, left, and Alan Petch are members of the Carthage Society, which recognizes donors whose cumulative giving to the University exceeds $50,000. It is named for the Carlisle Society, which recognizes donors whose cumulative giving to the University exceeds $50,000. It is named for the Carlisle Society.
ADVANCING EXCELLENCE

Mike Fehl (72) addresses the crowd at UT Arlington’s 1995 Society event in June 2013 at the Fort Worth Museum of Science and History. Fehl is a member of the University Development Board and chair of the UAS Society Committee. The UAS Society recognizes donors who invested $10,000 annually in any of UT Arlington’s colleges, schools, or programs.

University Gifts

Caring Commons

Giving Circles

Circle members recognize those who make annual contributions ranging from $10,000 to $99,999.

R.A. Gano and Sonita Amin

Jensen J. Garside

Members include Gary and Jody Lorig, Janice and Billy Liddle, Joe and Jennifer Lawing, and John and Korea Lin. Aimee Lynn and Sam Lin.

Callie and Matt Hays

Clint and April Redinger

Donna and Erik Redonzo

Walter and Amanda Reid

Mary and Jacques Reynolds

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Donors: Thomas and June Collins

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Bill and Karen Miller

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Robert and Jennifer Miller

David and Debra Miller

Barbara and Gordon Miller

Carol and Brian Miller

Mary and Robert Miller

Judy and John Miller

Mike and Kym Miller

Mary and Steve Miller

Mark and Eileen Miller

Jesse and Marni Miller

Laras and Charlie Miller

Brian and Laura Miller

Donald and Margaret Miller

William and Angela Miller

James and Marilyn Miller

Robert and Sherry Miller

Michael and Angel Miller

Ann and M. M. Parvaneh

Charles and Karla Christensen

Mary and John Christensen

Wilson and Cheryl Christensen

Bruce and Susan Christensen

Roger and Linda Christensen

Kimberly and Mark Christensen

James and Wendy Christensen

Russ and Ursula Christensen

Mary and Douglas Christensen

Glen and Mary Christensen

Nancy and James Christensen

Susan and Frank Christensen

Wanda and David Christensen

David and Pam Christensen

David and Dawn Christensen

Carol and Robert Christensen

James and Myra Christensen

James and Linda Christensen

Kirk and Jill Christensen

Bobbie and Ken Christensen

Karen and Dan Christensen

Aimee and Andrew Christensen

Molly and Adam Christensen

Terry and Emily Christensen

Tim and Annette Christensen

Martin and Sondra Christensen

William and Kathy Christensen

Mary and Terry Christensen

David and Linda Christensen

Barbara and Ronald Christensen

Kathleen and Ric Christensen

Barbara and James Christensen

Gary and Mary Christensen

Bonnie and Charles Christensen

Marcia and Donald Christensen

Aimee and Charles Christensen

Marilyn and John Christensen

David and Rose Christensen

Joanne and Ken Christensen

Mary and Ted Christensen

Judy and Mike Christensen

Louis and Sue Christensen

Margaret and Brian Christensen

James and Susan Christensen

Robert and Linda Christensen

Patricia and Jane Christensen

David and Judi Christensen

Peter and Carol Christensen

Richard and Rachel Christensen

Robert and Bette Christensen

William and Sherry Christensen

David and Janet Christensen

Nancy and John Christensen

William and Karen Christensen

William and Donnita Christensen

Amy and Ted Christensen

Mary and Dennis Christensen

Don and Linda Christensen

Jim and Molly Christensen

Gail and Vernon Christensen

Kenny and Mary Christensen

Mary and Mike Christensen

Aimee and David Christensen

James and Susan Christensen

Mary and Ric Christensen

Karen and Mike Christensen

Jim and Marcy Christensen

Sara and Robert Christensen

William and Linda Christensen

Danny and Carol Christensen

Jim and Marcy Christensen

Barbara and Robert Christensen

Bobbie and Rick Christensen

Rita and Jim Christensen

Ann and John Christensen

Bob and Julie Christensen

Eugene and Jean Christensen

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In 1919 you could mail a letter for three cents and buy a new car for less than $1,000. And a college on the rise could build a 27,000-square-foot building for $112,500. That’s the sum the Legislature appropriated for the Grubbs Vocational College (now UT Arlington) Administration Building. The three-story structure was described as “lighted by electricity and heated by steam” and “fireproof and modern in every detail.” Renamed for English Professor W.A. Ransom following his death, Ransom Hall is the oldest building on campus. It was renovated again last year and now houses University College, a one-stop shop for academic advising, tutoring, supplemental instruction, and a range of other services that foster student success. But you won’t see 1934 Fords or any other vehicles parked out front today. The street has long since given way to a pedestrian mall. Photograph courtesy of The University of Texas at Arlington Photographic Collection, Special Collections, UT Arlington Library.