IT TAKES A TEAM TO BUILD A GREAT UNIVERSITY. As I review the details of this report it is clear that the accomplishments recounted here are the result of extraordinary teamwork by the University’s most important asset—its people. The chief academic officer and his deans, the faculty, the staff and most importantly, our students: each plays a valued part in moving UT Dallas forward.

This report documents a year’s worth of progress in what has been a critical decade for UT Dallas. In 2004, the Washington Advisory Group defined our main obstacle to becoming a Tier One research institution—our size. Since that report was issued, UT Dallas has become one of the fastest-growing universities in Texas, exceeding our plan to increase the size of the student body and faculty by 5 percent a year. We enrolled more than 23,000 undergraduate and graduate students this fall—an 8 percent increase from a year ago, part of a 35 percent rise in four years. I am exceptionally proud that growth at this University occurred with continued improvement in our already high academic standards.

We aren’t building just for the sake of being bigger. Our growth signals that we are preparing to compete among the best public universities in America. We are positively positioned to attract research dollars, hire prominent faculty, award an increasing number of doctoral degrees and admit high-quality students. This year’s freshman class includes 100 National Merit Scholars, bringing the total number of scholars at UT Dallas to 285, while the average SAT score for our freshman class continues to be among the highest for public universities in the state. The progress of our campus transformation—a necessary response to our growth—provides tangible representation of our remarkable trajectory. It also underlines one of the key challenges of coping with our success. Providing adequate classroom space and instructional capacity remain top priorities.

With every marker that points to us drawing closer to undisputed status as a major national research university, UT Dallas demonstrates its value as an intellectual engine that spurs economic growth and innovation for our city, our state and our nation.

Dr. David E. Daniel

UT Dallas supporters and leaders gathered on campus to celebrate the successful final phase of the University’s centennial campaign yesterday. The Campaign for Tier One & Beyond eclipsed its past one-month early, raising more than $265 million over five years to help students, boost research and strengthen the endowment, which doubled to $387 million.

These pages offer a view of the achievements of Fiscal Year 2014. To view the Annual Report online, go to utdallas.edu/annualreport/2014.
Student enrollment for fall 2014 set records while maintaining the University’s reputation for academic excellence. A fall enrollment of 23,095 included 7,165 new students, or 31 percent of the student body. Among them were 2,520 freshmen, 1,741 undergraduate transfers and 2,765 new graduate students. Incoming students are meeting a high academic standard. The freshman class brought an average SAT score of 1256 and included the most National Merit Scholars (100) in the University’s history, topping the 89 who arrived on campus in 2013. They join continuing National Merit winners for a total of 285 on campus.

Student enrollment increased more than 9 percent over fall 2013, and has grown 59 percent since 2005. That annual enrollment growth surpassed the University’s plan for the student body population to rise 5 percent each year. The strategic goal is to grow to between 25,000 and 30,000 by 2020. The top freshman majors this year include such STEM fields as biology, computer science, arts and technology, mechanical engineering and neuroscience. Master’s students continue to be concentrated in two schools: the Erik Jonsson School of Engineering and Computer Science and the Naveen Jindal School of Management.

Enrollment has grown more than 9 percent over fall 2013, with new students making up almost a third of the student body.
Two Undergraduate Researchers Earn NSF Awards

Rain Mariano and Abhishek Raj were among 2,000 recipients of graduate research fellowships from the National Science Foundation. The awards include financial support for three years to attend graduate school and conduct research at a university of their choosing in the United States. Recipients receive an annual stipend of $32,000 along with an allowance to put toward tuition and fees.

Goldwater Foundation Recognizes Three Undergrad Researchers

Maria Burbano was one of 283 students in the United States to receive a Barry M. Goldwater Scholarship, awarded to students planning to pursue careers in science, mathematics and engineering. Burbano became the ninth UT Dallas student to earn a Goldwater scholarship since 2005. Fellow students Melanie Manz and Michael Lau received honorable mentions. It was the second consecutive year for Lau to receive an honorable mention.

Alumnus Becomes UT Dallas’ First Gates Cambridge Scholar

Bhaskaran Nair BS’13 became the first person from the University to receive the prestigious Gates Cambridge Scholarship, which is given to students outside the United Kingdom to pursue postgraduate degrees at the University of Cambridge. Nair is a 2011 McDermott Scholar.

Congressional Award Lauds Student Who Aided Fellow Veterans

KeeShuan Coffey, a U.S. Navy veteran and an accounting senior, was presented with the 2013 Congressional Veteran Commendation by U.S. Rep. Sam Johnson of Plano, Texas. The award, created by Johnson in 2011, is given to residents of the 3rd District of Texas for wartime sacrifices and community involvement during peacetime. Coffey earned the award through his military service and his efforts to help fellow student-veterans at the University. Coffey was honored and served as president of the Veterans of Dallas at UT Dallas, and helped establish the Veteran Services Center, which offers resources to student-veterans.

Alumni Strike Deal with Mark Cuban on ‘Shark Tank’

Corey Egan MBA’10 and Swapnil Bora MBA’11 earned a $350,000 deal with entrepreneur and Dallas Mavericks owner Mark Cuban after appearing on the reality TV show “Shark Tank.” Egan and Bora presented the idea of smartphone-controlled light bulbs for their Plano, Texas-based business, ilumi, which they developed while students in the Naveen Jindal School of Management.

UT Dallas welcomed its newest class of Terry Scholars—47 of them, including 12 scholar-fellowships—on campus. The 116 Terry Scholars enrolled at the University received combined awards of more than $1.3 million. The Houston-based Terry Foundation provides scholarships to help exceptional Texas high school graduates attend public colleges and universities in the state. Terry Scholars are selected in part for their leadership potential, character and academic achievement.

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Undergrads Win Critical Language Scholarships to Study Overseas

Addison Larson, Adam Mendonca and Roxanne Lee were among about 550 students to be awarded a Critical Language Scholarship from the U.S. State Department to study foreign languages that are vital to diplomacy, such as Chinese, Hindi, Korean, Japanese, Punjabi, Russian and Turkish. Since 2008, nine UT Dallas students have received Critical Language Scholarships. Recipients spend seven to 10 weeks studying a language.

Undergrad Makes Right Moves to Win U.S. Open Chess Championship

Senior physics major Conrad Holt won the U.S. Open, one of the nation’s largest chess tournaments, by defeating opponent Michael Mulyar in a championship match that lasted only five minutes. Holt’s teammate George Margvelashvili finished third in the tournament.

Chemistry Group Earns Accolades for Science Outreach

The Chemistry Student Association was one of 56 chapters to earn an Outstanding Chapter award from the American Chemical Society. The student group was also one of 14 chapters to earn a green chapter designation for environmental efforts. It marked the eighth consecutive year that the University’s group was named an outstanding chapter, and the second year in a row for it to earn the “green chapter” distinction.

Volleyball Team Scores Most Victories in Season in School History

The volleyball team put together a stellar season in which it notched the most wins in the program’s 10-year history and earned a trip to the NCAA Division III National Tournament. The Comets, who finished the year with a 21-1 record, advanced to the second round, beating Pomona-Pitzer in the first round. Kajla Jordan was selected to the NCAA Regional All-Tournament Team.

Jindal Students Win Competition with Idea for Connected Car App

A team of Naveen Jindal School of Management students won an international competition for its idea for an in-car app—the Hermes Road Warrior System—that could diagnose problems and find nearby amenities such as auto repair shops and restaurants. The concept app was one of six winners in the Global Connected Car Contest 2013.

Fulbright Recipient Gets Opportunity to Teach in Venezuela

Braedan Mayer BS’13 received a scholarship from the Fulbright U.S. Student Program to spend a year teaching English in Venezuela. Sponsored by the U.S. State Department, the program offers fellowships to graduate students and graduating seniors to study or teach in more than 140 countries. Mayer graduated with a degree in international political economy.

From left: Timothy McGuire, Julian Torres, Johanan Rodriguez and Jasmine Singh added a technical touch to spring commencement ceremonies with their senior design project in the Erik Jonsson School of Engineering and Computer Science. They developed a radio frequency identification system that helped family members and friends know exactly when their loved ones walked across the stage during graduation.

STUDENT SUCCESS

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Physics Student Briefs Policymakers on Dark Matter Research

Physics doctoral student Harisankar Namasivayam was chosen as one of the top presenters in the Young Physicist Lightning Round at the 2013 meeting of the U.S. Large Hadron Collider Users Association in Washington, D.C. He and a delegation of physicists briefed national policymakers on the importance of fundamental science and elementary particle physics. Namasivayam, whose studies focus on the search for dark matter, presented research that he conducted at CERN’s Large Hadron Collider near Geneva.

McDermott Scholar Receives Phi Kappa Phi Fellowship

Kayla Klein received a $5,000 fellowship from Phi Kappa Phi. It marked the third consecutive year in which a University student or alumnus received a fellowship from the honor society. Phi Kappa Phi presents 51 fellowships of $5,000 each and six $15,000 fellowships to members entering the first year of graduate school or professional study.

Archer Fellows Gain Government Insight During Internships

Three of the University’s Archer Fellows—Rajiv Dwivedi, Kyle Reynolds and Tue Tran—were among 41 undergraduate students from throughout the UT System who spent a semester studying in Washington, D.C. The trio had the opportunity to network, take classes and work as interns through the Bill Archer Fellowship Program offered by the Archer Center.

Schleigh Earns Conference’s Top Athlete Award

Men’s basketball player Kyle Schleigh was named the 2013-14 ASC Men’s Athlete of the Year, becoming the first Comet player to earn the award. He wrapped up his senior campaign as the University’s all-time leader in points (1,771), field goals (589), field goal attempts (1,171), free throws (443), free-throw attempts (569), rebounds (890), rebounds per game (7.9), steals (194), blocked shots (125) and minutes played (3,552). Schleigh also ranks second in assists (330).

Student Media Earn Record Number of State Awards

The University’s student media corps garnered 34 awards at the 2014 Texas Intercollegiate Press Association convention in San Antonio. The student newspaper, The Mercury, earned Best of Show for Division 2 and claimed first place in seven individual categories. The awards were the most The Mercury has earned since moving in 2012 to Division 2 for non-daily newspapers from four-year universities. A Market Proposal, the University’s student magazine, received first place for cover design. UTD TV placed third in production and received an honorable mention in public affairs reporting.

Junior guard Nolan Harvey celebrates after his game-winning three-point shot lifted the men’s basketball team to a 78-77 win over Whitworth University and a berth in the Sweet 16 of the NCAA Division III National Tournament. It was the first time since 1971 that the Comets advanced to the game.

The team notched the most wins in program history with 27 and also claimed the American Southwest Conference title.
Tenured and Tenure-Track Faculty Numbers Grow

An outstanding faculty is a key reason the University continues to draw increasing numbers of top students. The number of tenured and tenure-track faculty grew more than 3 percent, from 513 in fall 2013 to 529 in fall 2014. Large numbers of faculty are coming to programs in highest demand among freshmen and graduate students, including science, technology, engineering and mathematics (STEM) fields.

For instance, the Erik Jonsson School of Engineering and Computer Science has hired an average of 10 new tenured/tenure-track faculty members each year since 2009, outpacing its strategic goal to reach 175 faculty by 2020.

The University continued to recognize its most accomplished faculty members with a formal investiture ceremony in the spring. Rich in tradition, this ceremony honored both the distinguished faculty members and the farsighted donors who helped establish the endowed chairs and professorships.

Dressed in full academic regalia, each investee was introduced to colleagues, family members, students and mentors before receiving a medallion that symbolizes the honor. Each thanked individuals who had mentored them and family members who had supported their academic careers.

UT Dallas' first endowed chair was established in the School of Natural Sciences and Mathematics in 1973. Since then, the University has established more than 100 such positions.

University Teaching Awards

In 2014, UT Dallas, the University of Texas System and the Board of Regents recognized University faculty members for their service to students.

The Provost Award for Faculty Excellence in Undergraduate Research Mentoring

The award recognizes a faculty member who demonstrates superior leadership, support and guidance toward the development of UT Dallas undergraduate students and their research endeavors.

Regents’ Awards

Six University faculty members were among 16 educators from throughout the University of Texas System recognized by the Board of Regents with its highest teaching honor.

President’s Outstanding Teaching Award

Awarded in part on student nominations, the award recognizes individuals whose teaching efforts contribute significantly to student learning and the mission of the University.

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Research and Technology Transfer

UT Dallas’ research enterprise continued to grow last year, with expenditures totaling $99.7 million, moving the University closer to becoming a nationally recognized research institution. With support from external agencies such as the National Institutes of Health (NIH), the National Science Foundation and the Defense Advanced Research Projects Agency, the University remains increasingly competitive in obtaining research-related funding.

For instance, researchers in the School of Behavioral and Brain Sciences and the Texas Biomedical Device Center received a $2.3 million grant from the NIH to continue developing new techniques to improve the recovery from stroke. They will use the award to test the effectiveness of using vagus nerve stimulation to enhance stroke recovery in an older population.

In addition to attracting new funding and building on the results of studies funded in past years, the University’s growing technology transfer enterprise also made strides, showing that patience can pay off.

In Fiscal Year 2014, the University had:

- 72 invention disclosures
- $82,113 in license revenue
- 62 patent applications
- 15 patents issued
- 2 licenses and option agreements

New Initiative Aids Industry

The Office of Research this year launched the Applied Research Initiative (ARi) to enhance applied research by faculty, establish transition capabilities and work directly with the University’s industrial and government sponsors to meet their focused research needs.

"ARi will enlarge the number and range of sponsors for UTD faculty doing applied research and facilitate the integration of that research into sponsor systems and everyday use," said Dr. Victor Fishman, associate vice president for applied research.

At the heart of this effort is the Applied Research Center (ARC), an on-campus, professionally staffed and deliverable-driven organization that works directly with government and industry sponsors. Built on UT Dallas’ research strengths, the initial core competencies for the ARC include electronics, optics and materials; life sciences; power and energy; and information and data systems.

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In the early 1980s, Dr. Rockford Draper, professor of biological sciences in the School of Natural Sciences and Mathematics, isolated a mutant cell line that the University later licensed to BioMarin Pharmaceuticals, which used it to develop an enzyme replacement therapy to treat Morquio A syndrome. Last year, the Food and Drug Administration approved the therapy, making it the first treatment to target the underlying cause of Morquio A, a rare genetic disease that causes serious health problems in bones.
Residence Hall West Becomes Newest Living Space
The University opened its fifth and largest residence hall on campus in the fall. Residence Hall West houses 800 freshmen who are participating in Living Learning Communities. The $75 million building features classroom, collaboration and study spaces; on-site laundry and kitchen facilities; and an outdoor volleyball court, arbor and lounge areas. Adjacent to the new residence hall are Recreation Center West and Dining Hall West. The 25,000-square-foot recreation center has two courts for basketball, badminton and volleyball, a cardio-based weight room, and a dance/exercise room. Dining Hall West, which features seating for 750 guests, is open daily for breakfast, lunch and dinner. The new dining hall building also houses a Papa John’s Pizza and a convenience store that offers grab-and-go options, healthy snacks, frozen foods and toiletries.

School of Management Opens New Addition
The Naveen Jindal School of Management opened a 110,000-square-foot addition at the start of the fall semester. The $25 million expansion has more classroom and office space, trading and sales labs, student collaboration and study space, and an expanded Career Management Center. A skybridge that connects the two Jindal School buildings and a first-floor Jason’s Deli also opened in the fall.

Structure Expands the University’s Parking, Dining Options
Parking Structure 3 added 750 parking spaces to campus, with parking on the top level for those with residence hall permits, pay-by-space parking on the first level, and parking for those with purple, orange, gold and green parking permits on the remaining levels. The structure also houses the Parking and Transportation department and retail spaces, including an Einstein Bros Bagels that opened in August.

Campus Growth

Residence Hall West becomes newest living space: The University opened its fifth and largest residence hall on campus in the fall. Residence Hall West houses 800 freshmen who are participating in Living Learning Communities. The $75 million building features classroom, collaboration and study spaces; on-site laundry and kitchen facilities; and an outdoor volleyball court, arbor and lounge areas. Adjacent to the new residence hall are Recreation Center West and Dining Hall West. The 25,000-square-foot recreation center has two courts for basketball, badminton and volleyball, a cardio-based weight room, and a dance/exercise room. Dining Hall West, which features seating for 750 guests, is open daily for breakfast, lunch and dinner. The new dining hall building also houses a Papa John’s Pizza and a convenience store that offers grab-and-go options, healthy snacks, frozen foods and toiletries.

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Parking Structure 3, on the corner of Rutherford Avenue and Loop Road, helped ease the parking crunch for students who live off campus, staff and faculty. It is also the home of Einstein Bros Bagels and offices for the Parking and Transportation department.

On-campus living options expanded for freshman students with the addition of Residence Hall West on the University’s northwest corner. The hall features three-bedroom residential suites, and space for classrooms, study areas and offices. Students don’t have to go too far to grab a bite to eat or squeeze in a workout—Dining Hall West and Recreation Center West also opened nearby.

The Naveen Jindal School of Management, the largest school at the University, increased its campus footprint by 50 percent with its new four-story addition, which features informal learning areas on the first floor.
Callier Center Gives 5-Year-Old Purity Macharia the Gift of Hearing

The Callier Center for Communication Disorders provided 5-year-old Purity Macharia a boost to her hearing when the center gave her a new Oticon Ponto Pro hearing aid. Purity, who was born with a medical condition that impedes sound from reaching her inner ears, used an older version of the device that frequently broke and had outdated software, causing setbacks in her speech development. The Callier Center Care Fund, which provides assistance to children and adults with communication disorders, presented Purity with the updated device, which will help improve her speech and hearing.

Earth Week Activities Designed to Paint UT Dallas Green

Student organizations and University staff members focused on helping the campus and community get greener during Earth Week. The Earth Fair, the week’s largest event, coincided with global Earth Day and featured presentations by community groups, campus departments and student organizations. A highlight was the Materials Research Society-sponsored “E-Waste Roundup,” during which faculty, staff and students brought from home old electronic equipment and parts to recycle. Students also participated in the Office of Student Volunteerism’s Adopt-A-Highway volunteer event, helping with trash cleanup on the Bush Turnpike access road between Coit Road and Waterway Drive.

Center Aims to Change Lives of More Families, Young Children

The University’s Center for Children and Families has expanded the efforts of its Juega Conmigo (Play with Me) classes. The free, weekly learning program, which is offered for children up to 3 years old, is aimed at spurring child development and strengthening parent-child relationships. The program has served more than 400 children, beginning in Dallas’ Bachman Lake area three years ago. The center recently expanded the program to the Vickery Meadow and Pleasant Grove neighborhoods as well as Plano.

Kids’ University Helps Campers Reach for Higher Goals, Education

Kids’ University gave about 350 children from homeless shelters a glimpse at career and educational opportunities as well as college life. The four-day event was capped by a graduation ceremony, during which former professional football player Jeremy Callahan spoke to the students about his own struggles and perseverance. The 19th annual program offered science- and math-based sessions in subjects such as engineering, weather, music, fossils and law enforcement. The University partnered with Rainbow Days, a program that provides support groups for children, to host the camp.

Patty Miller MS’96 and David Miller, supporters of the University’s Center for Children and Families, interact with a child as part of the University’s Juega Conmigo program. (Photo by Martha Farah)
Researchers Educate Teens with Space Science Comic Book

Dr. Marc Harinon and Dr. Mary Urquhart published the third installment of a comic book series used to explain an ongoing experiment to middle and high school students. The series’ character is named after an experiment called CINDI—the Coupled Ion Neutral Dynamics Investigation—which was designed and built by a research group led by Dr. Bob Kudela, director of UT Dallas’ William B. Hanson Center for Space Sciences. Launched in 2008 and currently flying on an Air Force satellite, CINDI gathers data on the dynamics of the upper atmosphere.

Summer Camp Sparks Teenage Girls’ Interest in STEM Careers

Twenty teenage girls received hands-on experience with nanotechnology, robotics, virtual reality, forensics, space science and more when they visited the University as part of the SMART Summer College Camp. The camp for eighth- and ninth-graders, which UTD hosted along with Girls Inc. of Metropolitan Dallas and Richland College, offered a glimpse of college life and the possibilities available in science, technology, engineering and mathematics (STEM) careers.

University Welcomes Distinguished Speakers for ATEC Lecture Series

The ATEC Distinguished Lecture Series, presented by The Dallas Morning News, returned to the University’s Edwin O’Donnell Arts and Technology Building for its second season. Hosted by the Arts and Technology (ATEC) program, the series features speakers from a wide range of backgrounds in science, technology and art. In 2014, the inaugural series drew about 6,000 people to four lectures that featured Robert Edsall, author of the book Monuments Men; Microsoft executive and datacenter chief Christian Belady; Vinson G. Fuji, chief Internet evangelist at Google; and automation, engineer, physician and teacher Dr. Mae Jemison.

Comets Volunteer, Tackle Community Projects

More than 600 students, faculty and staff volunteered with 24 nonprofit agencies during Viva Volunteer, the largest single service day of the year at the University. The Office of Student Volunteerism estimated that students provided a total of 2,065 volunteer hours on the day, saving agencies nearly $48,000 in labor expenses. During the 2013-14 academic year, 5,248 students contributed 9,223 service hours through the office.

Adam Burkhalter and other high school students assembled a solar-powered vehicle as part of the University’s Viva Car Camp during the summer. UT Dallas offered dozens of summer camps that explored robotics, chess, basketball, engineering, computer programming, debate and other interests for K-12 students.
Alumni and friends set another record in Fiscal Year 2014, raising $78.9 million to sustain the University’s drive to become a Tier One research institution. With this, donors successfully pushed past the $200 million goal by Dec. 31, 2014. During the University’s first comprehensive fundraising campaign, more than $248 million was raised to assist students, support research and strengthen the endowment.

When UT Dallas began the campaign’s silent phase in September 2009, the economic climate was daunting. Despite this, campaign supporters pressed forward to realize our founders’ vision, and the University surpassed the goal in March 2014, nine months ahead of the campaign’s conclusion. During Realize the Vision, donors doubled the endowment to $387 million and added 220 new endowed funds, many of which support student scholarships and fellowships, faculty chairs and professorships. These loyal advocates include corporations, foundations, faculty, staff and friends. More alumni also stepped forward to help. During the campaign, the number of alumni who gave to the University doubled.

On Oct. 29, 2014, hundreds of donors, friends and students gathered in the heart of campus to celebrate the successful finale of Realize the Vision. The day’s festivities included giveaways for everyone. At the campus roundabout, students celebrated with food trucks, DJs and dancing into the night. Under the trivials, a student orchestra played to an audience of donors and friends at the Celebration of Support. “The end of our campaign is a transformational moment, not only for UT Dallas, but for the entire Dallas region,” said James Huffines, co-chair of the University Campaign Council and president of PlainsCapital Corp. “This marks the next big step in becoming a Tier One university, which I am certain is right around the corner.”
UT Dallas Alumni, Advocates Lauded for Service at 12th Annual Awards Gala

2014 AWARDS GALA HONOREES

From left: President David E. Daniel, Chris Jaeb, Northwood Woman’s Club president Elizabeth Jenkins, Lynn McIntire, Michael L. Wehmeyer, Michelle Janssen Adams, Kevin Ryan, David Kelly and Helen Small.

GREEN AND ORANGE AWARD FOR ALUMNI SERVICE

Michelle Janssen Adams BA’87, MA’88, PhD’95
Founder and president, Marketing Brainology, Plano

GIFFORD K. JOHNSON COMMUNITY LEADERSHIP AWARD

Lynda McInerney BA’79
Principal, Carbon/Capital LLC, Dallas

Michael L. Wehmeyer PhD’89
Professor of special education, associate, Kansas University Center on Developmental Disabilities, and senior scientist, Beach Center on Disability, University of Kansas, Lawrence Park, Kansas

DISTINGUISHED ALUMNI AWARDS

Christ Jaeb BGS’86
Founder, Common Ground Kauai, Kilauea, Hawaii

David Kelly MEd’86
President and CIO, Electronic Relations, Quincy, Massachusetts

Academic Programs

Bachelor’s degree programs

Top Undergraduate Majors

Top Graduate Majors

Computer Science

Business Administration

Information Technology and Management

Finance

Supply Chain Management

55

7

29

1

62%

undergraduate

38%

graduate

4,738

students live on-campus, including

1,574

freshmen live in a new residence hall dedicated exclusively to the University’s five Living Learning Communities: arts and technology, computer science, engineering, management and pre-health.

UT Dallas Alumni, Advocates Lauded for Service at 12th Annual Awards Gala

DISTINGUISHED ALUMNI AWARDS

Helen Small BS’07, MS’10
Civic volunteer, Dallas

GIFFORD K. JOHNSON COMMUNITY LEADERSHIP AWARD

Ozark Elementary NE’86
Civic volunteer, Ozark

Academic Programs

Master’s degree programs

Top Undergraduate Majors

Top Graduate Majors

Business

Information Technology and Management

Academic Programs

Doctoral programs

Top Undergraduate Majors

Top Graduate Majors

Biology

Computer Science

Accounting

Arts and Technology

Business Administration

Neuroscience

Psychology

Neuroscience

Supply Chain Management

29

1

Academic Programs

Professional doctoral programs

29

1

Academic Programs

Bachelor’s degree programs

55

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Top Graduate Majors

Computer Science

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Business Administration

Information Technology and Management

Academic Programs

Professional doctoral programs

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Academic Programs

Bachelor’s degree programs

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Academic Programs

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freshmen live in a new residence hall dedicated exclusively to the University’s five Living Learning Communities: arts and technology, computer science, engineering, management and pre-health.
UT Dallas ranked first in Texas, fourth in the nation and 18th in the world out of 100 schools named to the Times Higher Education “100 Under 50” list. The list ranks the best universities that have been in existence for less than half a century, using 13 performance indicators that emphasize research, knowledge transfer, innovation, teaching, diversity and international collaborations.

UT Dallas has one of the top 25 most ethnically diverse student populations in the country, as determined by U.S. News & World Report’s survey of higher education institutions. In the same report, the university was ranked in the top 100 schools for economic diversity among students.

UT Dallas students carry less debt than most students in the country, according to U.S. News & World Report. Class of 2013 data shows that 23 percent of UT Dallas undergraduate alumni owed an average of $20,978, placing the University among the top 35 in the country with the least debt for its undergraduate alumni. The national average is $27,667.

The Princeton Review named UT Dallas as one of the top 50 undergraduate and graduate programs for video game design for the third consecutive year. Game design is part of the University’s innovative arts and humanities programs for video game design.

The Princeton Review ranked UT Dallas among the top 100 schools for economic diversity among students. The online career site Create a Career analyzed admission tests. UT Austin also ranked 26th.

UT Dallas ranked first in Texas, fourth in the nation and 18th in the world out of 100 schools named to the Times Higher Education magazine list of the most internationally focused young universities. The “100 Under 50” list recognizes four-year universities that provide exceptional academics at an affordable price. The list ranks the best universities among public colleges—up five spots from 39th in 2013. The list recognizes four-year universities that provide exceptional academics at an affordable price.

The Naveen Jindal School of Management is among the nation’s top business schools in the U.S. News & World Report “Best Graduate Schools” list. It ranked 37th among schools offering full-time MBA programs, 20th for its MBA information systems specialty and 22nd for its part-time graduate programs. The school also ranked fourth nationally for online business graduate programs, based on assessments of faculty credentials, student engagement, peer opinions and distance learning services and technology.
Team Develops Implanted Devices That May Reshape Medicine
Researchers in the Erik Jonsson School of Engineering and Computer Science created electronic devices that might one day help doctors learn more about what is happening inside the body. The team developed biologically adaptive, flexible transistors that can grip 3-D objects, such as large tissues, nerves and blood vessels. The research is one of the first demonstrations of transistors that can change shape and maintain their electronic properties after they are implanted in the body. Jonathan Reeder BS’12, a materials science and engineering graduate student, was lead author of the work published in Advanced Materials.

Researchers Develop Technology That May Prolong Mobile Device Power
Researchers from the Erik Jonsson School of Engineering and Computer Science created technology that could be the first step toward wearable computers with self-contained power sources or, more immediately, a smartphone that doesn’t die after a few hours of heavy use. The technology taps into the power of a single electron to control energy consumption inside transistors, which are at the core of most modern electronic systems. Dr. Jiyoung Kim, professor of materials science and engineering, and Dr. Kyeongjae “K.J.” Cho, professor of materials science and engineering and physics, were authors of the research that was published online in Nature Communications.

Researchers’ Work Shows Promise for Tinnitus Sufferers
Researchers at the School of Behavioral and Brain Sciences demonstrated that treating tinnitus, or ringing in the ears, using vagus nerve stimulation-tone therapy is safe and brought significant improvement to some of the participants in a small clinical trial. Drs. Sven Vanneste and Michael Kilgard used a new method pairing vagus nerve stimulation (VNS) with auditory tones to alleviate the symptoms of chronic tinnitus. Their results were published in the journal Neuromodulation: Technology at the Neural Interface. VNS involves sending a mild electric pulse through the vagus nerve, which relays information about the state of the body to the brain.

Professor Receives $1 Million Grant to Improve Prosthetics for Soldiers
Dr. Walter Voit BS’05, MS’06, assistant professor of materials science and engineering and mechanical engineering in the Erik Jonsson School of Engineering and Computer Science, was awarded $1 million to create medical devices that will lead to greater control of prosthetics in wounded soldiers. Voit, one of the inaugural McDermott Scholars, was one of 25 junior faculty members in the country selected to receive a DARPA Young Faculty Award. The Defense Advanced Research Projects Agency program aims to develop the next generation of scientists and engineers who will focus their careers and research on Department of Defense and national security issues.

A group of scientists developed electronic devices that can change shape and grip 3-D objects, such as body tissue and blood vessels, once the devices are implanted in the body. "OUR RESEARCH comes from a DIFFERENT ANGLE AND DEMONSTRATES THAT we can engineer a device to change shape in a more biologically COMPATIBLE WAY."

JONATHAN REEDER, BS’12, graduate student in the Erik Jonsson School of Engineering and Computer Science
Scientists Win Nearly $1 Million in Defense Grants for Equipment

Two grants totaling nearly $1 million were by researchers in the Texas Analog Center of Excellence (TxACE) will lower the hurdle for research and development in high-frequency integrated circuit design. Dr. Kenneth O, professor of electrical engineering and director of TxACE, and Dr. Rashaunda Henderson, assistant professor of electrical engineering, competed against more than 500 researchers to receive funding. The Defense University Research Instrumentation Program awards funds for instrumentation needed to carry out high-quality, cutting-edge research of interest to U.S. defense.

Researchers Create Powerful Muscles From Fishing Line, Thread

A team led by scientists at the University’s Alan G. MacDiarmid NanoTech Institute discovered that ordinary fishing line and sewing thread can be cheaply converted into powerful artificial muscles. The polymer muscles, capable of lifting 100 times more weight than a human muscle, have many potential uses, including in robotics, surgery and prosthetic limbs. The researchers worked under the direction of Dr. Ray Baughman, the Robert A. Welch Distinguished Chair in Chemistry in the School of Natural Sciences and Mathematics and an author of the work. Doctoral student Carter Haines BS’11 was lead author of the study published in Science.

Astrophysicists Find ‘Lumpy’ Universe Cannot Explain Cosmic Acceleration

Dr. Mustapha Ishak-Boushaki, an associate professor of physics in the School of Natural Sciences and Mathematics, and two of his students, Austin Peel and Dr. Michael Troxel, eliminated a possible explanation for the universe’s apparent cosmic acceleration. The ‘lumpy’ universe theory contends that the force of gravity between pieces of matter has created some areas of clumped matter in the universe. Their research, which appeared in the journal Physical Review Letters, found the theory incompatible with observations of the rate at which groups of galaxies form clusters.

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Research Finds Youths Who Fail to Envision Future Commit More Crimes

A study authored by Dr. Alex Piquero, Asst. Smith Professor of Criminology in the School of Economic, Political and Policy Sciences, showed a connection between serious youth offenders’ views on how long they’ll live and their offending patterns for the next seven years. The study found those who don’t imagine a very long life ahead of them offend at very high rates and commit more serious offenses, while those who believe they’re going to live longer offend much less. The paper, published online in Justice Quarterly, used data from a seven-year study of serious youth offenders.
Associate professor Dr. Maximilian Schich led a group that developed a visual representation of the history of European and North American culture. The research connected the birth and death locations of more than 150,000 notable individuals during a 2,000-year span. By connecting the birth and death locations of each individual, Schich and his team made progress in the understanding of large-scale cultural dynamics.

Dependence Alters the Brain’s Response to Pot Paraphernalia
A study by a Center for BrainHealth team led by Dr. Francesca Filbey that was published in Drug and Alcohol Dependence demonstrated that drug paraphernalia triggers the reward areas of the brain differently in dependent and nondependent marijuana users. The team conducted brain-imaging scans on 71 participants who regularly used marijuana. A comparison revealed that the reward region in the brain was activated in all users in response to a pipe. But the strengths of the connections with other areas differed between dependent and nondependent users.

Scientist Finds Clearer Link Between Obesity and Diabetes
New findings about the biological links between obesity, insulin resistance and Type 2 diabetes may also shed light on the connection between obesity and cancer. Dr. Jung-whan Kim, an assistant professor of molecular and cell biology in the School of Natural Sciences and Mathematics, and colleagues at the University of California, San Diego found that a protein called HIF-1 alpha plays a key role in the development of insulin resistance and Type 2 diabetes. The findings are significant for their possible application to fighting insulin resistance and diabetes as well as cancer. The study was published in the journal Cell.

Jindal School Dean Recognized for Exceptional Leadership
Dr. Hasan Pirkul, dean of the Naveen Jindal School of Management, received the John J. Fernandes Strategic Leadership Award for his impact on shaping management education. Presented by the Academy of Strategic and Entrepreneurial Leadership, the honor recognizes a university president, provost, dean or other senior academic leader who has demonstrated outstanding leadership. Pirkul was praised for creating an academic environment that fosters scholarly inquiry, innovative teaching, research productivity and the development of forward-thinking programs that help drive a technology-based global economy.

ATEC Professor Leads Study Revealing Big Story of Cultural Migration
Dr. Maximilian Schich, associate professor of arts and technology in the School of Arts and Humanities, led a team of scientists that created and quantified a picture of European and North American cultural history by reconstructing migration and mobility patterns of more than 170,000 notable individuals during a 2,000-year span. By connecting the birth and death locations of each individual, Schich and his team made progress in the understanding of large-scale cultural dynamics.
**Study Linka Tablet Computer Use to Sharper Minds in Older Adults**

A study from the Center for Vital Longevity graduate student Micaela Chan affirmed that challenging older adults with certain never-before-tried activities—such as tablet computing—might help ward off or delay age-related dementia. The research builds on earlier work from the lab of Dr. Danila, the founder and co-director of the center. The scientists tested the cognitive skills of 56 adults aged 60 to 90 before and after 10 weeks of activities.

**New Analysis Method Examines Vehicle Burglary Rates**

Dr. Yongwan Chun, an assistant professor of geospatial information sciences in the School of Economic, Political and Policy Sciences, used a new method for modeling spatial patterns of crime to analyze vehicle burglaries in Plano, Texas. He found that vehicle burglaries increased when the home vacancy rate increased; vehicle burglaries decreased when the median home value increased; and vehicle burglaries decreased when distance to a highway increased. His study, published online in Geographical Analysis, included socioeconomic factors, such as median home value, poverty and unemployment rates, and variables that reflect social instability, such as rates of homeownership, residential mobility and house vacancy.

**Study Uncovers Factors in Students’ Reporting of Weapons at School**

Criminology researchers have found that certain factors affect students’ willingness to report weapons at school. The study, published online in Youth Violence and Juvenile Justice, used data from anonymous online surveys administered to students in grades 9-12 at 10 schools in a northeastern U.S. state between 2008 and 2011. Assistant professor of criminology Dr. Nadine Connell of the School of Economic, Political and Policy Sciences was lead author of the study. According to the study, 76 percent of students said they would report a knife to a school official, while 88 percent said they would report a gun.

**Cybersecurity Researchers Roll Out New Heartbleed Solution**

A team led by Dr. Kevin Hamlen, an associate professor of computer science in the Erik Jonsson School of Engineering and Computer Science, found a solution—dubbed Red Herring—to the cybersecurity bug known as Heartbleed. The bug, a flaw in a software feature, allowed confidential information to be passed through an open connection that hackers could potentially use to steal sensitive data. Red Herring creates decoy servers to fool hackers into thinking they have gained access to secure information, when in fact they are being monitored, analyzed and traced back to the source.

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Based upon the results of the audit work performed, the information included in this publication that is the responsibility of Executive Management at UT Dallas presents fairly, in all material respects, the financial position, results of operations, and changes in net assets of UT Dallas at August 31, 2014, and for the year then ended in accordance with accounting and financial reporting standards as promulgated by UT System policy and The State of Texas Comptroller of Public Accounts.

Statement of Revenues, Expenses and Changes in Net Assets For Fiscal Years Ending August 31, 2013 and 2014

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Revenue</th>
<th>Operating Expenses</th>
<th>Transfers from UT System and Other Institutions</th>
<th>Change in Net Assets</th>
<th>Beginning Net Assets</th>
<th>Ending Net Assets</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fiscal ’13</td>
<td>573,638,305</td>
<td>441,395,785</td>
<td>112,446,672</td>
<td>144,689,192</td>
<td>1,087,726,522</td>
<td>1,232,415,715</td>
</tr>
<tr>
<td>Fiscal ’14</td>
<td>573,656,426</td>
<td>491,372,594</td>
<td>122,037,629</td>
<td>204,321,460</td>
<td>1,232,415,715</td>
<td>1,436,737,175</td>
</tr>
</tbody>
</table>

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Based upon the results of the audit work performed, the information included in this publication that is the responsibility of Executive Management at UT Dallas presents fairly, in all material respects, the financial position, results of operations, and changes in net assets of UT Dallas at August 31, 2014, and for the year then ended in accordance with accounting and financial reporting standards. Such information has been subject to the examination of the independent registered public accounting firm whose report thereon appears as part of this publication.