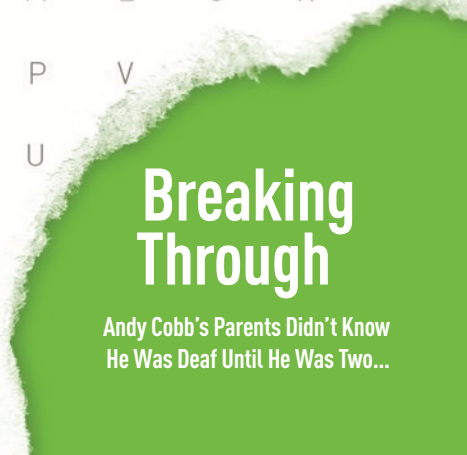


UT DALLAS

M A G A Z I N E

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 Q U E F I M P L A N T S E S A
 N E T A Y I G N I E T R O E U



Breaking Through

Andy Cobb's Parents Didn't Know He Was Deaf Until He Was Two...





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UT DALLAS

M A G A Z I N E

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Fall 2012

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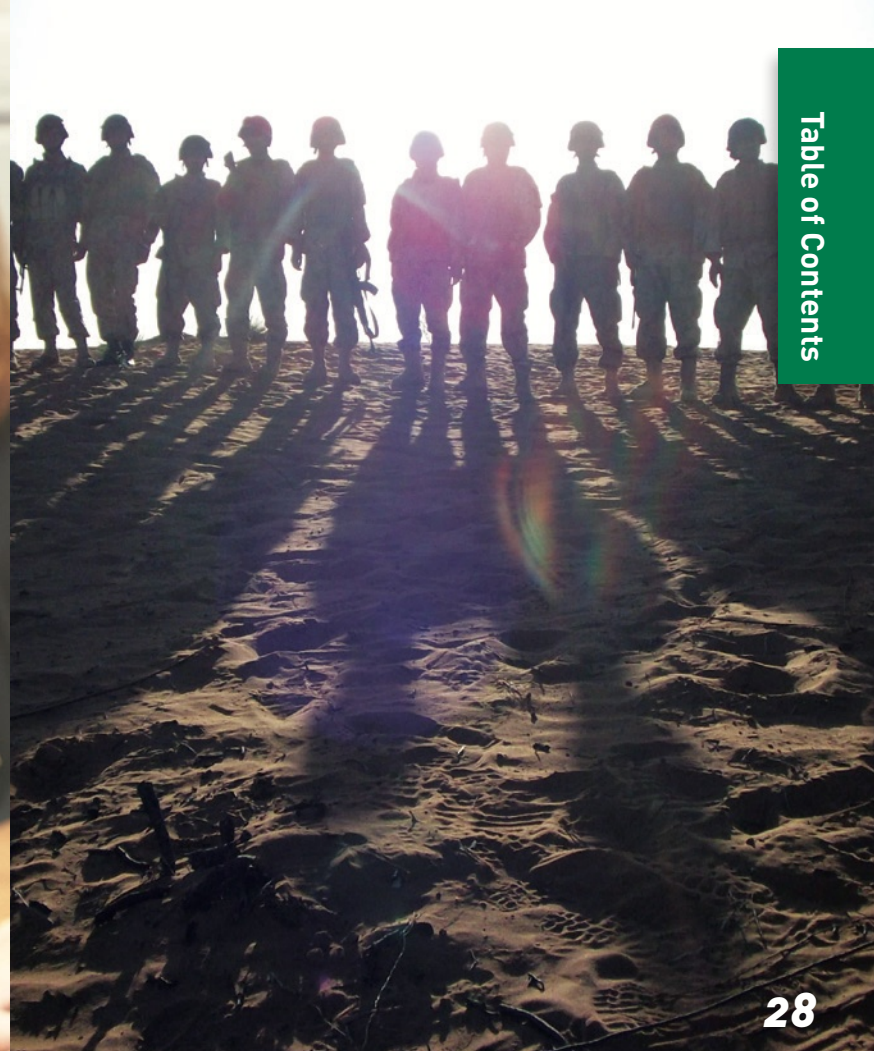
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FEATURES

**PLAYING FOR THE LOVE OF THE GAME:
CLUB TEAMS COMPETE AT NATIONAL LEVEL** 12

Nearly 600 students take part in club sports, playing because they love to compete in pursuits like bowling, fencing, gymnastics, longboard, martial arts, rock climbing, rugby, swimming, ultimate Frisbee and volleyball. For some, the fun carries all the way to national championships.

INVESTITURE CEREMONIES HONOR FACULTY 16

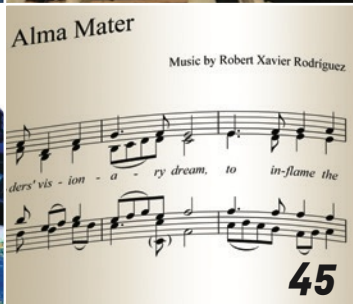
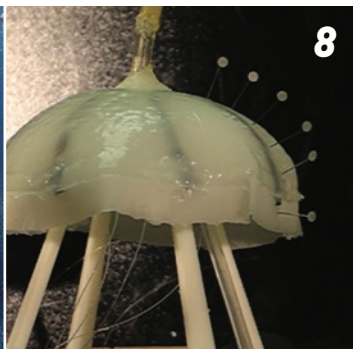
UTD's first endowed chair was established in the School of Natural Sciences and Mathematics in 1973. Since then, more than 100 such positions—the highest academic recognition the University can bestow—have been created. In the spring and fall semesters, holders of chairs and professorships were formally invested with their honors at a ceremony destined to become a University tradition.

BREAKING THROUGH 20

Andy Cobb's parents didn't know he was deaf until he was 2. The diagnosis of hearing loss led to the Callier Center where a technological breakthrough made a difference in how his life and his family's unfolded. Researchers in schools and centers across the University collaborate on defeating barriers to communication—from tinnitus in military veterans to language deficits in small children to apraxia of speech in stroke victims.

**AN UNCONVENTIONAL LIFE
ALUMNI PERSPECTIVE:
DANIELLA POOLE MESTYANEK** 28

Daniella Poole Mestyane BA'09 was born in the Philippines to missionary parents, raised in Brazil, and resided in eight other countries before moving to the United States as a teenager. Her unconventional life, including her service as an intelligence officer in the U.S. Army, fuels her love of travel, interest in other cultures and plans for the future.



LETTERS TO THE EDITORS

EMAC, ATEC?

I've been through the article "Reinventing the Arts" three times and can't find the meaning of EMAC or ATEC. To fully understand what you are trying to say, the definition of these acronyms would be helpful to me. What do these mean, please?

Virginia Robertson BA'97
Dallas, TX

Editor's Note: Thank you for alerting us to your difficulty with the article and the acronyms for the Arts and Technology and Emerging Media and Communications programs (pages 21 and 22 respectively). We deviated from the standard protocol of immediately following the full name with an acronym in parentheses because we felt that it interrupted the flow of the narrative. You've reminded us to be more obvious in the future for the convenience of the reader. We appreciate your thoughtful reading.

Not Red or Blue, but Green and Orange!

OK, UTD has done it. I've lost my emotional momentum and the pride I was feeling after this last magazine and its article about an alum working for Dick Cheney.

Universities should never profile politicians, particularly ones that are controversial. I've worked for 12-plus years in fundraising for Stanford, and before that, eight at Cal Berkeley. When I left Stanford, my office, Medical Development, had raised \$200 million, and the university had raised over \$900 million.

This year, Stanford will have beaten Harvard for the seventh year in a row by raising over \$1 billion in cash. They are already \$300 million over last year. Stanford also has Condi Rice and George Shultz, but the institution is so careful in how they use them.

Despite Republican opposition (but support from George Shultz), Stanford took a strong stand on stem cell research (they were the instigators of California's Prop 71). The university hosts the (Republican) Hoover Institution even though according to Watchblog.com, Democrats are more educated than Republicans:

- States that voted for Kerry in 2004 had 21 percent more college graduates than states that voted for Bush.
- The states that ranked the lowest for high school and college graduates were all red states.
- Eight out of 10 of the states that ranked the highest for high school and college graduates were blue states. (The number one state, by far, is Colorado—technically a red state because it went for Bush by a small margin, but effectively a "purple" state because it's become so politically mixed.)

I, for one, consider Dick Cheney to be the most evil politician in my lifetime. I am ashamed that UTD would allow someone to say he is benevolent and wise. Quite frankly, I am appalled!

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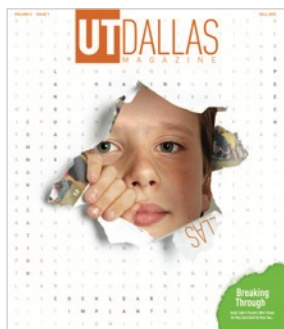
Polykarp and Margie

Thank you very much for the recent Hindsight article on Polykarp Kusch and Margie Renfrow. Each in their own way contributed to developing the culture of the physics department. Professor Kusch set the standard for quality and innovative teaching and research and Margie set the tone for a warm, hospitable environment for graduate students as they jumped over the various hurdles toward the PhD. The result of this has been a wonderful, productive and loyal group of alumni who continue to support the department and the University.

Dr. Robert [Bob] Glosser
Professor and Program Head,
Natural Sciences and Mathematics
University of Texas at Dallas
Richardson, Texas

ON THE COVER

Andy Cobb's story is one among several that illustrate the necessity for an interdisciplinary approach to research addressing communication disorders.



Join the conversation! Send letters to the editor to utdallasmagazine@utdallas.edu or *UT Dallas Magazine*, AD14, 800 West Campbell Road, Richardson, TX 75080-3021. All submissions may be edited for clarity or length. Please include contact information such as phone number, email address and/or mailing address.

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CONTRIBUTORS

Despite this article, I will cheer for UTD. I suggest you avoid such an article in future editions and focus on building cohesion instead. I'm particularly interested in the brain research taking place at UTD.

Dolly Patterson BA'82
Redwood City, CA

Editor's Note: *Thanks for writing.*

The article referenced above was a first-person personal essay called "Alumni Perspective," which appears in each magazine. This feature invites alums to write about what their UT Dallas experience has meant to them.

Please consider this an open invitation (not only to the writer of the letter above, but to ALL our alumni) to submit your own essay. The editors will be at pains to reflect your experience and perspective as you see them, just as they let Derrick Morgan BA'99 have his say. Please also note the Publisher's Statement on the bottom of page 2 reading "opinions expressed by contributors are not necessarily the position of the University or its administration."

The magazine is meant to be like an interesting conversation and an open forum among people who care about and benefit from association with UT Dallas. We don't expect everyone's experience to be the same or for all to agree—and in fact, take pride in being a university that welcomes civil discourse on matters of differing opinions and outlooks.

This conversation is open to you, too, and we hope you'll take part. We would love to receive an alum perspective from you. Please consider it!

[We also share your admiration of Stanford Magazine. Some of our staff have worked with its editors in various capacities, and your letter sent us to our archives of their work. The first issue that came to hand featured two profiles of politicians—Cory Booker of New Jersey and Herbert Hoover.]



Jenni Huffenberger

Jenni Huffenberger believes hanging out with college students keeps you young, but she never dreamed she'd get to call it a career. She joined UT Dallas in 2001, where she worked in the Office of Communications. In early 2012, Huffenberger was named director of marketing for the Office of Student Affairs, where she's responsible for promoting services, events and activities aimed at students. She is a 1996 graduate of Texas State University in San Marcos. Before coming to UT Dallas, she worked for a high-tech PR firm in Austin and at The Richards Group in Dallas.



Daniella Poole Mestyaneck BA'09

Daniella Poole Mestyaneck is stationed at Fort Campbell, Ky., as a military intelligence officer in the 101st Airborne Division of the U.S. Army. She just completed a deployment to Afghanistan in support of Operation Enduring Freedom, serving as part of the Coalition Forces. Her interest in other cultures stems from her childhood as part of a large missionary family that lived in 10 countries before settling back in the United States. She was active in the UTD Graduate Translators Association and the chess team, and studied for a semester in Germany before graduating with a bachelor's degree in literary studies.



LeeDon Moore

LeeDon Moore graduated with a BFA from UT Austin in 1993 where he was part of the first class to study computer-aided graphic design. After a successful career in the advertising industry, he came to UT Dallas in 2007 where he now serves as the creative director for the University's marketing department in the Office of Communications. Moore has played a key role in rebranding the University and is responsible for the look and feel of many of the publications, including *UT Dallas Magazine*. He is currently pursuing his MFA in the Arts and Technology program.

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For a full listing of the schools and programs that have social media sites, visit utdallas.edu/social.

ON CAMPUS

Robots Play Starring Role at Conference



A UT Dallas robot outfitted with a container "head" helped distribute books to panelists.

Flying robots, robotic chess pieces and a roving robot, all programmed by University students and faculty, shared center stage with national business, education and government leaders at an event aimed at bolstering science, technology, engineering and math education.

The *U.S. News* STEM Solutions 2012 Leadership Summit, a three-day conference held in Dallas this summer, brought together educators, industry leaders, government officials and philanthropists to discuss how best to connect the dots between STEM education and the need for science- and technology-related

skills in the American workforce.

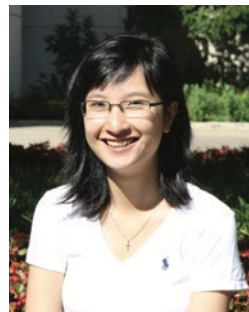
The UT Dallas robots were on hand to help launch a national initiative called STEMx, which encourages states to share best practices and engage in partnerships to improve education in science, technology, engineering and math, or STEM fields.

Hundreds of conference-goers attended a special opening session at which NBA legend Kareem Abdul-Jabbar moderated a panel discussion that included the UT Dallas robots performing at several key moments. Robotic chess pieces decorated with UT Dallas pennants whirred across the stage and twirled on cue, while a wheeled mobile robot with a metal container attached to its "head" helped Abdul-Jabbar distribute books to panel members.

The finale included two aerial robots that hovered, flipped and flew out over the audience.

The Erik Jonsson School of Engineering and Computer Science and the School of Natural Sciences and Mathematics were involved in the showcase. **-Amanda Siegfried**

Undergrad Researchers Receive Awards



Truc Do

In a banner year for UT Dallas, three students were recognized by the prestigious Barry M. Goldwater Scholarship and Excellence in Education Program.

Truc Do, a junior biochemistry major who applied again after receiving an honorable mention last year, and Abhishek Raj, a sophomore electrical engineering student, each won a Goldwater Scholarship—the first time since 2009 that two UT Dallas students were selected in the same year. Elizabeth Hanacik, a junior neuroscience major, received an honorable mention.

"Twenty years ago, these awards were the monopoly of the Ivy League schools. We are competing at that level now," said Dr. Douglas Dow, coordinator of the Office of Distinguished Scholarships.

All three honorees are McDermott Scholars; Do and Hanacik also have Green Fellowships.

Do has completed two summer internships at Los Alamos National Laboratory, where she helped sequence influenza viruses. She plans to complete a doctorate in molecular genetics.

Raj has researched the application of shape-memory polymers to flexible electronics. He will pursue a doctorate in biomedical engineering.

Hanacik researched tinnitus and potential therapies for amyotrophic lateral sclerosis, and will work toward a doctorate in neuroscience.

-Robin Russell



Abhishek Raj



Elizabeth Hanacik

WHOOSH!

UT Dallas was named one of the greenest universities in *The Princeton Review's Guide to 322 Green Colleges: 2012 Edition*. The guide profiles institutions of higher education that demonstrate commitments to sustainability in their academic offerings, campus infrastructure, activities and career preparation.

The National Science Foundation selected the Geometric Methods in the Control of Bipedal Walking Robots research project by Dr. Mark W. Spong, dean of the Erik Jonsson School of Engineering and Computer Science, as a highlight in a 2012 portfolio of "Science, Engineering and Education Innovation."

A team of graduate marketing students—Amanda Trapp, Danae Bennett, Hsin-Yun Chen, Isabelle Shi, Min Shin and Xin Wang—won a first-place prize of \$2,000 for its mobile application idea named PhodioJam in the NetBase Social Media Competition presented by the Naveen Jindal School of Management's marketing program.



Kaleb Lambeth, a biology major, conducted heart research related to heart disease at UT Southwestern.

Green Fellows Wrap Up Semester of Individual, In-Depth Research Projects

Kaleb Lambeth, a student majoring in biology, spent his spring semester trying to mend broken hearts—with science.

Lambeth is one of 19 undergraduates who, as Green Fellows, spent a semester performing full-time research with faculty members at UT Southwestern Medical Center.

Lambeth worked in the laboratory of Dr. Eric Olson, chairman of molecular biology at UT Southwestern, who has made major strides in using genetic techniques to reprogram cells called fibroblasts into cardiac cells. The process might one day be developed into a treatment to help form new heart muscle after a heart attack.

Green Fellows spend 16 weeks pursuing individual research projects under the direction of UT Southwestern faculty. Fellows receive a stipend of \$4,000 and spend the entire term focused on research rather than splitting their time between classes and the lab. The 2012 fellows presented their scientific findings at a poster presentation.

"There are many benefits to both institutions, but the biggest benefit is to the students," said Dr. A. Dean Sherry, professor of chemistry and holder of a Cecil H. and Ida Green Distinguished Chair in Systems Biology Science at UT Dallas. He also is director of the Advanced Imaging Research Center located at UT Southwestern. —AS

UT Dallas Makes List of Best Universities Under 50

The University has been ranked 29th out of 100 schools named to a new *Times Higher Education* magazine list of the world's most outstanding young universities.

The 100 Under 50 list selects the best universities that have been in existence for less than half a century. Nine schools in the U.S. made the list. UT Dallas was the highest-ranked in Texas.

"This is very nice news and should be viewed as a tribute to our founders and the many friends through the years who have supported our development, and to alumni, students, faculty and staff who have given so much and continue to invest in UT Dallas," said President David E. Daniel. "It's gratifying to receive independent validation of the success of our young institution."

In developing the list, *Times Higher Education* sought to move away from more subjective indicators of excellence, such as an institution's heritage or legacy. Instead, the magazine used 13 performance indicators designed by Thomson Reuters, a worldwide

business information service, to evaluate the core mission of global universities. The indicators include research productivity, teaching, international outlook, industry income and citations, or the number of times affiliated researchers' work has been cited by other scholars. —Katherine Morales

THE ONE HUNDRED
UNDER
FIFTY

Researchers surveyed 17,500 academics and analyzed 50 million scholarly citations to assemble the *Times Higher Education* rankings.

A Fish Tale: Prof's Photo Earns Kudos in Contest

Dr. Rockford Draper earned recognition in an international photo contest for an underwater image he snapped of a rare magenta-colored, stone-faced tropical fish.

His photo of a paddle flap Rhinopias, *Rhinopias eschmeyeri*, took second place in the fish or marine animal portrait category in the contest sponsored by the University of Miami's Rosenstiel School of Marine and Atmospheric Science.

Draper, who holds a joint appointment in UT Dallas' Department of Molecular and Cell Biology and the Department of Chemistry, shot the photo while scuba diving with a group of photographers in about 30 feet of water off the northeast coast of Bali in Indonesia.

Although he's been scuba diving for more than 35 years, Draper took up photography only about five years ago. He said that while his interest in underwater photography is not scientifically related to his work as a cell biologist, the two pursuits are related.

"As a cell biologist, I take a lot of images of cells," he said. "But in all photography, scientific or otherwise, the photographer still needs a technical understanding of what a good image is and what to do with it, and in this way, these two areas of my life are connected." **-AS**

Top: Dr. Rockford Draper's photo of a paddle flap Rhinopias was among the winners of an international underwater photography contest.

Bottom: A manta ray in action.



Student Government Vice President Nathaniel Fairbank rolls a cart to help a fellow student move in.

Newest Campus Residents Move In

Staggered check-in times and a steady flow of volunteers made campus arrivals smooth for more than 1,100 UT Dallas freshmen in August.

Nearly 100 volunteers wearing orange or green shirts directed traffic, unloaded vehicles, tagged bins and carted students' belongings to suites in three residence halls. Festive orange, white and green balloons lined the lobby entrances, and inflatable dancing balloons marked the courtyards.

About 25 students were checked in at each residence hall every 30 minutes.

As parents drove up, volunteers from Greek organizations and Student Government emptied vehicles and filled large rolling storage bins to transport items into the residence halls. Peer advisers welcomed students and toted luggage.

Though he's not moving far from home, Dillon Young of Flower Mound was eager to live on campus. One of his roommates is his best friend; the other he met 10 minutes after moving in.

"I didn't want to have to make the drive from home every day, and it's kind of cool to live on my own," said Young, a computer science major.

Students living at Residence Hall West, just completed in August, will be part of Living Learning Communities. Faculty welcomed students majoring in pre-health, arts and technology, engineering, computer science and business, who will be able to live, study and take classes with others in their academic field.

More than 3,700 UT Dallas students are living on campus in residence halls or apartments. **-RR**

FROM THE LAB



Cellphones That Can See Through Walls?

Comic book hero superpowers may be one step closer to reality after the latest technological feats of University researchers. They have designed an imager chip that could turn mobile phones into devices that can see through walls, wood, plastics, paper and other objects.

The microchip taps the terahertz band of the electromagnetic spectrum, which is a wavelength of energy between the microwave band used for cellphones and the infrared band used for night-vision devices. The microchip would be manufactured using CMOS (Complementary Metal-Oxide Semiconductor) technology that forms the basis of many consumer electronic devices used in daily life such as personal computers, smartphones, high-definition TVs and game consoles.

"CMOS is affordable and can be used to make lots of chips," said Dr. Kenneth O, professor of electrical engineering and director of the Texas Analog Center of Excellence. "The combination of CMOS and terahertz means you could put this chip and a transmitter on the back of a cellphone, turning it into a device carried in your pocket that can see through objects."

Due to privacy concerns, O, holder of the Texas Instruments Distinguished Chair, and his team are focused on uses in the distance range of less than 4 inches.

-LaKisha Ladson

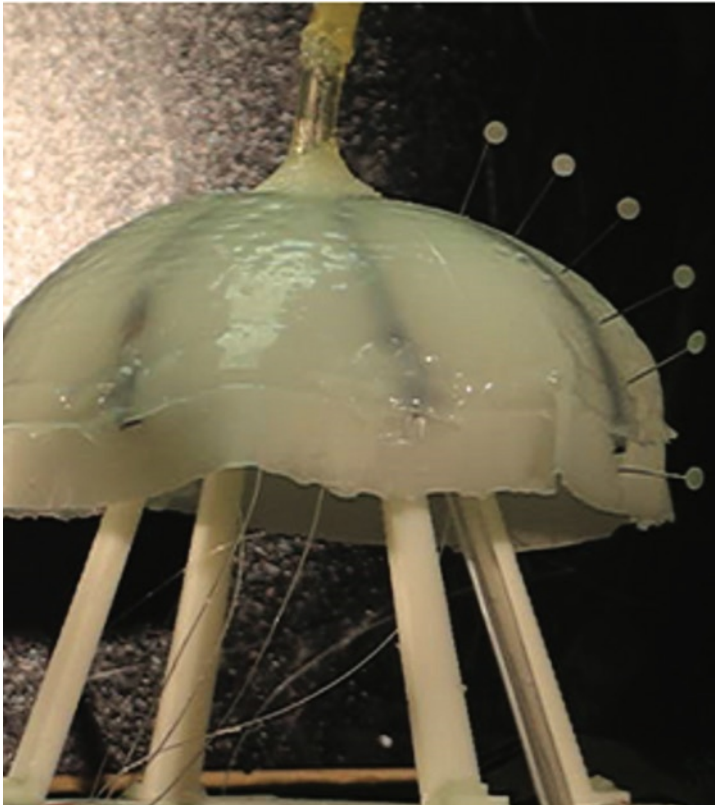
WHOOSH!

The **Microscopy Society of America** elected **Dr. Moon Kim**, professor of materials science and engineering, a Fellow for his significant contributions to the advancement of science and practice of microscopy imaging, analysis and diffraction techniques.

Center for Vital Longevity postdoctoral fellows **Dr. Kristen Kennedy** and **Dr. Karen Rodrigue** and graduate student **Gérard Nisal Bischof** received fellowships to attend the 2012 **Alzheimer's Association** International Conference in Vancouver, Canada.

Dr. Ken Balkus, professor of chemistry, received a 2012 Teacher Recognition Award from the **U.S. Department of Education** after being nominated by Presidential Scholar and Plano East High School graduate Amy Chyao as her most inspiring teacher.

Dr. Francesca Filbey, assistant professor at UTD's **Center for BrainHealth**, received \$1.9 million from the **National Institute on Drug Abuse** to study genetic and environmental factors related to marijuana addiction.



The Robojelly, shown here out of water, has an outer structure made of silicone.

Robotic Jellyfish Feeds Off Water

University researchers have created an undersea vehicle—inspired by the common jellyfish—that runs on renewable energy and could be used in ocean rescue and surveillance missions.

The robotic jellyfish, dubbed Robojelly, feeds off hydrogen and oxygen gases found in water.

“We’ve created an underwater robot that doesn’t need batteries or electricity,” said Dr. Yonas Tadesse, assistant professor of mechanical engineering and a creator of the robot. “The only waste released as it travels is more water.”

Engineers and scientists have increasingly turned to nature for inspiration when creating new technologies. The simple yet powerful movement of the moon jellyfish made it an appealing animal to simulate.

Robojelly consists of two bell-like structures made of silicone that fold like an umbrella. Connecting the umbrella are muscles that contract when heated.

Tadesse, Dr. Ray Baughman, the Robert A. Welch Distinguished Chair in Chemistry and director of the Alan G. MacDiarmid NanoTech Institute, and researchers at Virginia Polytechnic Institute and State University (Virginia Tech) used a combination of high-tech materials such as carbon nanotubes to upgrade the original, battery-powered Robojelly to be self-powered. **-LL**

Facebook Photos May Offer Cultural Clues



The photos we select for our Facebook profiles may mirror individual preferences, but they also appear to reflect more deeply rooted, unconscious cultural differences. That’s according to a recent study led by Dr. Denise Park, co-director of the UT Dallas Center for Vital Longevity.

Previous research has shown that Western cultures condition people to think of themselves as highly independent entities, whereas East Asian cultures stress collectivism and interdependence. As such, Westerners tend to focus on central objects or faces more than on their surroundings when looking at a scene, while East Asians are more sensitive to context such as the scenery behind a person.

It turns out that these cultural influences extend into cyberspace. Park and former grad student Dr. Chi-Mao Huang analyzed profile photos of more than 500 active Facebook users from the U.S. and East Asia (Hong Kong, Singapore and Taiwan) and found marked cultural differences: Profile photos of Americans are more likely to focus on the individual’s face, while the profile photos of East Asians tend to de-emphasize the face and capture more background features.

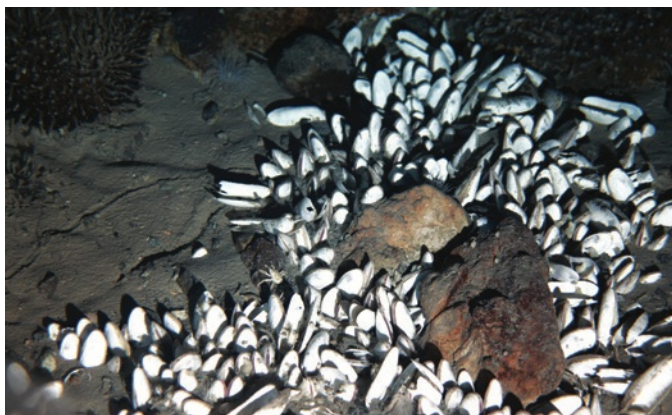
“Our findings echo previous research on cultural influences on visual perception, attention and reasoning in the offline world,” said Park, adding that Facebook offers a unique platform for investigating cognition and behaviors across cultures. **-Tara Marathe**

Dr. Stephen Yurkovich, head of the Department of Systems Engineering, now serves on the board of directors of the **Institute of Electrical and Electronics Engineers (IEEE)**, the world's largest professional association for the advancement of technology.

Amit Maheska, an information technology graduate student in the **Naveen Jindal School of Management**, received the **UT Dallas Student Leader of the Year** award during the annual Student Leadership Awards program.

George McMechan, the Ida M. Green Professor of Geosciences, was selected to receive the Maurice Ewing Medal from the **Society of Exploration Geophysicists**, the highest honor given by the international organization.

Dr. Mustapha Ishak-Boushaki, associate professor of physics, received a \$222,000 research grant from the **National Science Foundation** for his investigations of the gravitational lensing technique, which is used to study the nature of the universe.



This clam community is the first such site discovered in the Mariana region, which is in the South Pacific east of the Philippines.

Researchers Find Rare Life in Ocean's Depths

A joint research group of U.S. and Japanese geoscientists, including a team from UT Dallas, has discovered a system of hydrothermal vents teeming with life three miles below the surface of the western Pacific Ocean.

According to the researchers, the deep sea is as barren as a desert because sunlight cannot penetrate to the depths for photosynthesis to occur.

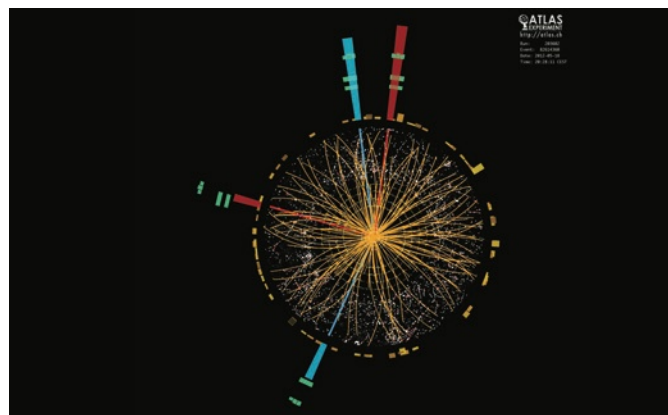
"Nutrients provided by dead plants and animals that live and die near the ocean's surface are mostly gobbled up before they fall very far," said Dr. Robert Stern, professor of geosciences and one of the researchers on the team.

Thus, these vents are "oases in the abyss" because chemical-laden waters rise from the sinking Pacific plate into deep fissures through rocks of the Earth's mantle and flow to the surface, creating an environment ripe for life.

"Understanding the source of these fluids and how life takes advantage of these may give us important clues as to the emergence of life on Earth and how it might exist on other planets," Stern said.

Dr. Ignacio Pujana, a senior lecturer in geosciences, and graduate student Julia Ribeiro also contributed to the research, which was published in *Proceedings of the National Academy of Sciences*.

It was during one of several deep-sea expeditions to study the Challenger Deep area in the Mariana region that the team discovered the hydrothermal vent system and the colonies of large clams thriving nearby. The Challenger Deep is the deepest known point in the ocean, at more than 35,700 feet. **-KM**



A photo taken by UT Dallas physics Professor Joe Izen offers an inside look at the ATLAS experiment for CERN's Large Hadron Collider, the massive instrument that scientists are using to find the universe's tiniest particles.

Physicists Play Role in Higgs Quest

University researchers played a role in groundbreaking experiments that led to the discovery of a new elementary particle of matter, one that is "consistent" with the long-sought-after Higgs boson.

Officials at CERN's Large Hadron Collider (LHC) research facility in Geneva, Switzerland, made the announcement in July, congratulating more than 6,000 international collaborators. UT Dallas faculty members, postdoctoral scientists and students involved in the research were Dr. Joe Izen and Dr. Xinchou Lou, professors of physics; research scientists Dr. Wei-Cheng Wong, Dr. Mahsana Ahsan and Dr. Kendall Reeves; PhD students Harisankar Namasivayam, Jessica Smith and Brandyn Lee; and undergraduate student Cyrille Chiari.

The LHC is the world's most powerful particle accelerator. Beams of colliding protons in the device create new particles, which are tracked by detectors. Two LHC experiments—abbreviated ATLAS and CMS—provided the data that led to the discovery of the new particle. The UT Dallas team helped build detectors for ATLAS.

The Higgs particle is the final missing piece in the so-called Standard Model, which explains the elementary particles and forces that make up the visible universe.

"As members of the ATLAS collaboration, we have had a small part in ushering in the era of Higgs physics," Izen said.

-AS

ARTS AND CULTURE

Former Director of Dallas Museum of Art Joins Faculty

Bonnie Pitman, a guiding force in remaking and advancing the reputation of the Dallas Museum of Art, recently joined the faculty of the School of Arts and Humanities.

As Distinguished Scholar in Residence, she is charged with creating new methods of education, focusing much of her expertise in technology and emerging media on helping build the national reputation of the school.

"The University is fortunate to have such an innovative thinker join our faculty," said Executive Vice President and Provost Hobson Wildenthal. "Attracting distinguished leaders indicates high-caliber academics and research. The University and the community will surely benefit from Bonnie Pitman's wealth of experience."

Pitman arrived at the DMA in 2000 as deputy director and was named the Eugene McDermott Director in 2008 before departing in May 2011. Under her leadership, the museum found new ways to engage audiences, build the collections, and present major exhibitions and innovative programs.

Pitman's initiatives, like the Center for Creative Connections, challenged visitors to engage with art. Late Nights at the DMA brought performances, concerts, readings, film screenings and family programs into the galleries. Pitman co-authored a book, *Ignite the Power of Art: Advancing Visitor Engagement in Museums*, which documented a seven-year research project that examined how people connect with art at the museum. She also served as editor and an author of *Dallas Museum of Art: A Guide to the Collection*.

"I am honored to be joining the innovative faculty and research staff in the School of Arts and Humanities, and I do so largely because UT Dallas is committed to creating new models for learning and collaboration," said Pitman.

Dr. Dennis M. Kratz, dean of the School of Arts and Humanities, said Pitman's use of technology in education makes her a great asset to the University.

"UT Dallas aspires to be at the forefront of higher education, and a transformative leader such as Ms. Pitman is the ideal person to help the University achieve that goal," Kratz said. "She has expertise in using technology to transform the educational and aesthetic experience. Working beside our other faculty, she will fashion a new model for integrating the arts throughout the educational experience."

Kratz cited the smARTphone Tours at the DMA that introduced interactive content to exhibits as an example of how Pitman's expertise fits the University's focus, especially through its Arts and Technology (ATEC) program.



Bonnie Pitman

"The leadership and support of Provost Wildenthal and Dean Kratz is vital in the development of interdisciplinary education and research programs in the school," Pitman said. "A primary aspect of my work will be to strengthen the relationships between UT Dallas and other educational, cultural and health-related institutions in our region, nationally and internationally."

Pitman joins another former director of the DMA on faculty. She is co-teaching a course in the fall with Dr. Richard Brettell, Margaret McDermott Distinguished Chair of Art and Aesthetics at UT Dallas. She also will work closely with Brettell as the co-director of the Center for the Interdisciplinary Study of Museums (CISM).

"Bonnie's vision and deep museum experience will bring a wealth of new connections and ideas to CISM," Brettell said.

The American Association of Museums recently awarded Pitman the Distinguished Service Award, the profession's highest recognition. She has degrees in art history from Sweet Briar College and Tulane University and has worked as a director, educator and curator at the Winnipeg Art Gallery in Canada, the New Orleans Museum of Art, the Seattle Art Museum, Berkeley Art Museum and Pacific Film Archives, and Bay Area Discovery Museum. -**Chaz Lilly**

WHOOSH!

Dr. **Clay Reynolds**, director of creative writing, received the **Spur Award for Best Western Short Fiction** of 2012. The award has been given every year since 1959 by the Western Writers of America.

Three student media outlets—*A Modest Proposal*, *The Mercury* and *UTD-TV*—took home a combined 23 achievement awards at the **Texas Intercollegiate Press Association** convention.

A study published in *Academy of Management Perspectives* ranked management professors **Dr. Gregory Dess** and **Dr. Mike Peng** among the most highly cited management scholars in the past three decades.

Physics major **Saskia Versteeg**, a McDermott Scholar and native of the Netherlands, received the **Udall Scholarship** for the second year in a row in recognition of her campus initiatives on environmental concerns.

SEASON EVENTS 2012–2013

TO SEE A FULL LIST, VISIT AH.UTDALLAS.EDU/EVENTS

CLASSICAL

DSO Brass Quintet
Amernet String Quartet
Through Roses musical drama

Saturday, January 19, 8 p.m.
Saturday, February 9, 8 p.m.
Saturday, March 30, 8 p.m.

Jonsson Performance Hall
Alexander Clark Center
Alexander Clark Center

\$15
\$15
\$20

GUITAR

Duo Sonidos
Tribute to Sabine Madriguera: Memorial Concert
12th Annual Texas Guitar Competition and Festival

Saturday, January 26, 8 p.m.
Saturday, February 23, 8 p.m.
February 28 – March 2

Alexander Clark Center
Alexander Clark Center
Alexander Clark Center

\$20
\$15
Prices vary

JAZZ

Houston Person
Mack Goldsburly

Friday, February 8, 8 p.m.
Friday, April 19, 8 p.m.

Alexander Clark Center
Jonsson Performance Hall

\$20
\$15

VOCAL

Swingle Singers
*Red, Hot and Cole**
Annual Choral Concert*

Friday, February 22, 8 p.m.
March 21 – 23, 8 p.m.
Saturday, May 11, 8 p.m.

Eisemann Center
University Theatre
University Theatre

Prices vary
Free
Free

* These events are directed by Kathryn Evans and accompanied by Michael McVay, pianist.

THEATER

Picasso at the Lapin Agile by Steve Martin
Directed by Akin Babatunde

Thu. – Sat., February 14 – 23, 8 p.m.

University Theatre

\$15

Book of Days by Lanford Wilson
Directed by Brad Hennigan
All Thursday night performances are free.

Thu. – Sat., April 4 – 13, 8 p.m.

University Theatre

\$15

DANCE

Faculty @ 5: Elledanceworks
Spring Into Dance

Wednesday, February 6, 5:30 p.m.
April 25 – 27, 8 p.m.

Jonsson Performance Hall
University Theatre

Free
Free

ART EXHIBITIONS

Reframing Documentary: Creative PhD in Progress
Maximum Overdrive

January 25 – March 2
March 22 – April 27

Visual Arts Building Main Gallery
Visual Arts Building Main Gallery

Free
Free

CENTRALTRAK 800 Exposition Ave., Dallas, TX 75226

Co-Re-Creating Spaces
Raul Cordero
Failing Flat
That Mortal Coil

November 17 – January 5
January 19 – February 16
March 2 – April 27
May 4 – June 15

Curated by Carolyn Sortor and Mike Morris
Cuban artist Raul Cordero, solo show
Curated by Nathan Green
Curated by Heyd Fontenot

TRADITIONS

Student Arts Festival

May 2 – 11

Times and venues vary

FreeCinematheque
Musica Nova
Faculty @ 5 Series

Feb. 6, Mar. 6, Apr. 3, 7:30 p.m.
May 3, 8 p.m.
Check website for schedule of performances.

Jonsson Performance Hall
Jonsson Performance Hall

Free
Free

CONFUCIUS INSTITUTE

Chinese New Year Celebration
Zhou Xian

Saturday, February 2, 7:30 p.m.
Wednesday, April 24, 7 p.m.

Alexander Clark Center
Jonsson Performance Hall

\$5
Free

CENTER FOR VALUES IN MEDICINE, SCIENCE AND TECHNOLOGY

James Robert Brown
Greg Bear
Wendy Harpham
2013 CVMST Annual Conference

Wednesday, January 30, 7:30 p.m.
Wednesday, February 27, 7:30 p.m.
Wednesday, March 20, 7:30 p.m.
May 17 – 18, 9 a.m. – 5 p.m.

Jonsson Performance Hall
Jonsson Performance Hall
Jonsson Performance Hall

Free
Free
Free

LECTURES

Ben Fountain

Wednesday, February 13, 7:30 p.m.

Jonsson Performance Hall

Free

Einspruch Lecture Series: Timothy Snyder
RSVP to holocauststudies@utdallas.edu or 972-883-2100

Sunday, February 24, 5 p.m. and
Monday, February 25, 9 a.m.

Alexander Clark Center

Free

Campbell McGrath

Wednesday, April 10, 7:30 p.m.

Jonsson Performance Hall

Free

Playing for the love of the game

Club teams compete at national level

By Jenni Huffenberger



UT DALLAS

NATHAN SOHADASENI

“WE PLAY BECAUSE WE LOVE THE COMPETITION. WIN OR LOSE NEXT YEAR, I’M SO PROUD OF WHAT WE’VE BUILT.”

YEAR:
Senior

MAJOR:
Management Information Systems

SCHOOL:
Naveen Jindal School of Management

Sohadaseni is the captain of the rugby team. This summer, he was named a 2012 USA Rugby Academic All-American.



Nathan Sohadaseni stood among his rugby teammates waiting for the kickoff. The crisp February air reflected clouds of exhalation from the players as they readied to compete in their first state championship.

Sohadaseni, the captain of the UTD team, said he stopped worrying about the outcome once his cleats touched the grass and just played the game he loves.

A few hours later, the UT Dallas rugby team stood victorious, winning the match 15-10 and claiming the Texas Rugby Union Collegiate Division III Championship. The whole scenario seemed so unlikely, it would have bordered on comical only a few months before.

"We didn't really have a rugby team at UT Dallas for a long time," Sohadaseni said. "There were teams before that kind of fizzled out. But over the last two years, we really worked on getting people interested in playing."

Such is the path for club sports—that scrappy cousin of National Collegiate Athletic Association

(NCAA) athletics. Where sanctioned athletics are organized and funded by a university, club sports are a labor of love for students and coaches who want to participate. In intercollegiate club sports, students set the practice schedules, and decide what teams they will play and who will coach them, if anyone. They purchase uniforms, coordinate travel, and manage paperwork.

Sohadaseni, a senior in the Naveen Jindal School of Management, played rugby as a kid and brought his enthusiasm for the sport with him to college. His goal at first was simple: find a handful of people who could practice together for fun. But soon he found himself wearing several hats—head recruiter, marketing director and salesman for what would become, along with gymnastics, one of two championship club teams at UTD in 2012.

"The way I saw it, my primary market was former high school football players," he said. "I would invite them to practice with us. We staffed information booths during lunch time and at fundraisers.

When I walked around campus, if I saw a big athletic guy I'd invite him to try rugby."

Despite the rise of the rugby team from obscurity to high-level competition in a little over a year, the road for many club sports is not easy. The club teams compete with other universities but are not regulated by the NCAA.

At UT Dallas, the Club Sports Program formally started in 2005 with only a handful of groups. Today, 24 clubs, all housed under the Department of Recreational Sports, receive guidance and general supervision, but the emphasis is on students to initiate, organize, operate and participate.

"Strong leadership is a prerequisite," said Chris McAlpine, assistant director of recreational sports. "The clubs that succeed, and succeed the quickest, are the ones that have a strong leader behind them from the beginning with a great plan and vision."

Last year, nearly 600 UT Dallas students participated in sports like bowling, fencing, gymnastics, longboard, mixed martial arts, rock climbing, rugby, swimming, ultimate Frisbee and volleyball. They traveled close to 10,000 miles and competed in more than 50 tournaments and games around Texas and throughout the country.

Like rugby, gymnastics found success within its first year of competition. The team made it to the National Association of Intercollegiate Gymnastics Clubs competition in Salt Lake City. There, Tommy Trompeter, a sophomore in the School of Natural Sciences and Mathematics, was ranked first in the nation in both pommel horse and rings.

"The gymnastics team grew to be such an inspiration to me," said coach Fidel El-Aya. "Over the course of the season, I watched it transform from a club into a competitive team. This propelled many of the gymnasts to compete in events they had not intended on competing in or had never competed in before."



LISA STURM

"CLUB SPORTS ARE A GREAT WAY TO TRY OUT A SPORT YOU'VE NEVER EXPERIENCED BEFORE. THEY'RE FUN, AND NOT ALL ARE COMPETITIVE —THEY'RE SOCIAL, TOO, AND ARE A GOOD WAY TO MEET NEW PEOPLE. CLUB SPORTS ALSO BRING A LOT OF UNUSUAL SPORTS THAT THE UNIVERSITY DOESN'T OFFER [THROUGH NCAA ATHLETICS]."

YEAR: Junior
MAJOR: Computer Engineering
SCHOOL: Erik Jonsson School of Engineering and Computer Science

Sturm bowled in high school and enjoyed the sport so much she decided to start a club during her freshman year at UT Dallas. She's also a lifeguard on campus and was a member of the women's volleyball club. She works as a research assistant in a computer lab in the Jonsson School.

"The clubs that succeed, and succeed the quickest, are the ones that have a strong leader behind them from the beginning with a great plan and vision."

—Chris McAlpine, assistant director of recreational sports

Club Sports at UT Dallas

Badminton	Rock Climbing
Bass Fishing	Rugby
Bowling	Running
Cycling	Indoor Soccer
Disc Golf	Soccer
Fencing	Squash
Gymnastics	Swimming
Japanese Karate	Table Tennis
Jiu-jitsu	Tennis
Longboard	Ultimate Frisbee
Mixed Martial Arts	Men's Volleyball
Paintball	Women's Volleyball

The University's growing residential community has contributed to the growth of club sports, with nearly half of all participants coming from the residence halls or on-campus apartments. The majority of those students are freshmen and sophomores. McAlpine attributes that to the fact that residential students are looking for ways to meet others, get involved in campus life and find activities where they can be physically active, too.

"Those involved with club sports are competing purely for the love of the game," said McAlpine, who helps new groups get started, assists with the scheduling of on-campus games and events, and offers monthly meetings that foster club growth and leadership. "They are students first and foremost."

Tricia Losavio, director of recreational sports, expects the level of participation, mix of sport offerings and number of travel miles to increase. "Club sports appeal because just about anyone can participate. They are reflective of our students' interests," Losavio said. "We have clubs for longboard and table tennis—a little more eccentric than at some other schools."

For their part, students have enjoyed the camaraderie and life skill development that comes with being involved in club sports. Mary McCormick, a senior psychology major in the School of Behavioral and Brain Sciences, said she wouldn't trade her experiences as a co-president of the women's volleyball club.

"Arranging 12 people's schedules is hard to do, but going to tournaments and having arranged that experience, well, there's nothing else like the feeling of pride that comes



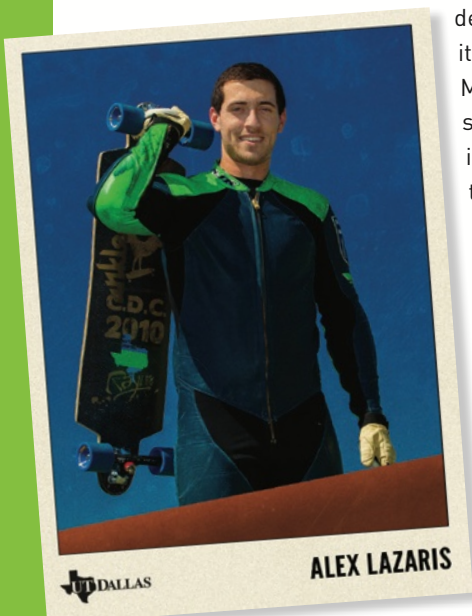
from that," McCormick said. "The experience pays back tenfold."

Harold Lee, a senior biology major in the School of Natural Sciences and Mathematics, has been involved with the jiu-jitsu club since the fall of his freshman year. Lee said the fun factor is the reason he's stuck with his club for as long as he's been at the University.

"I'm busy, but it's been a blast," Lee said. "This has been an experience I didn't expect to have, and I'm really grateful for that."

Nationally, club funding varies widely from school to school. At larger universities, budgets can be millions of dollars. At UT Dallas, the program operates on about \$50,000 annually. Clubs are funded in a tiered fashion, with the most established and longest-running programs receiving the most support.

"Club budgets are almost entirely paid for by students through fees, and they generally receive between \$50 and \$1,500 a year," Losavio said.



ALEX LAZARIS

"I'M EXTREMELY EXCITED FOR THE UPCOMING YEAR. WE WILL HIT EVERY RACE IN AND AROUND TEXAS AND HOLD SOME EVENTS OF OUR OWN. SKATING, HANGING OUT WITH YOUR FRIENDS, AND TAKING THE FASTEST LINE DOWN A HILL—THAT'S WHAT PULLS PEOPLE TO THE SPORT."

YEAR: Senior
MAJOR: Emerging Media and Communication
SCHOOL: Arts and Humanities

Similar to a skateboard but wider and longer, the longboard has gained popularity in recent years. Lazaris—who is ranked 40th in North America out of 400 of the best riders by the International Gravity Sports Association—started the UTD club in 2011. During the summer, he competed in the Vernon 8 and Britannia Classic races in Vancouver.



MARY MCCORMICK

"I WENT TO A MAGNET HIGH SCHOOL WHERE SPORTS WEREN'T REALLY AN OPTION. I'D ALWAYS WANTED TO PLAY VOLLEYBALL, SO I SIGNED UP IN MY FRESHMAN YEAR. AS A LEADER ON THE TEAM, I'VE DEVELOPED ORGANIZATIONAL SKILLS THAT WILL CARRY ME THROUGH TO MY FIRST JOB."

YEAR: Senior
MAJOR: Psychology
SCHOOL: Behavioral and Brain Sciences

McCormick is co-president of the volleyball club team. The group competes against other universities in the Southern Intercollegiate Volleyball Association.



By the Numbers

There were 576 active club sports members in the 2011-2012 academic year, including 137 women and 439 men.

- 95** Residence hall students
- 191** Apartment students
- 290** Off-campus students

"This offers a valuable lesson because the teams have the responsibility of financing themselves, from picking a coach, to buying uniforms, to deciding on and paying for team travel, to holding fundraisers."

The rugby club wasted no time in finding its place among the top teams in the country. After winning the state championship, they competed in the regional championship in Nebraska. Though their Cinderella run ended there, the team and their coach were proud to have had the experience.

"When I started coaching at UT Dallas in the fall, I just wanted us to be competitive," said Tony Wagner, a former Texas Rugby Union leader who was recruited by the students to serve as coach. "I'm ecstatic with where we are now."

Good news for the team continued into late summer 2012 when Sohadaseni was named a USA Rugby Academic All-American.

"This year has really been the culmination of all of our collective journey," Sohadaseni said. "We play because we love the competition. And even though we lost in Nebraska, we were playing against teams that had been around for 10 years. Win or lose next year, I'm so proud of what we've built." **UTD**

Check out utdallas.edu/recsports/club_sports for more information.

"Club sports appeal because just about anyone can participate. They are reflective of our students' interests."

—Tricia Losavio,
director of recreational sports


"A FRIEND OF MINE ACTUALLY DRAGGED ME TO MY FIRST MEETING. I ENDED UP STAYING AND PARTICIPATING—SO MUCH SO THAT THEY ASKED ME TO BE CLUB PRESIDENT BECAUSE OF MY DISCIPLINE AND INVOLVEMENT."

YEAR: Senior
MAJOR: Biology
SCHOOL: Natural Sciences and Mathematics

Lee joined the jujitsu club during his freshman year and is currently its president. The co-ed club also studies judo and karate.



HAROLD LEE



Investiture Ceremonies Honor Faculty

IN THE SPRING AND FALL SEMESTERS, UT Dallas held investiture ceremonies honoring the achievements of 90 distinguished chairs and professors as well as the generosity and memory of endowment founders.

The ceremonies, rich in symbolism, signal a coming of age for the University, which is joining in the practice with other universities that have much longer histories.

"It is unusual for a university to invest so many professors at one time, but it's also unusual for a university to start out as a graduate research institute and evolve so quickly into a substantial research institution," said UT Dallas President Dr. David E. Daniel.

During the ceremonies, the careers of the

professors being recognized were celebrated. One by one, dressed in full academic regalia, each investee was introduced to crowds of colleagues, family members, students and mentors before receiving a medallion signifying the honor of their investiture.

Each thanked those who had mentored them along the way and family members who had supported their careers, which began at universities throughout the country and around the world.

An endowed chair or professorship is the highest academic award that the University can bestow on a faculty member, and it lasts as long as the University exists. Thus, it is both an honor to the named holder of the appointment and an enduring tribute to the donor who establishes it.

Endowed and honorific faculty appointments came into being centuries ago. The first record of the practice dates from 1502, when Lady Margaret Beaufort, Countess of Richmond and Derby, and the mother of King Henry VII, created the Lady Margaret Professorships of Divinity at Oxford and Cambridge universities. In 1721, London businessman Thomas Hollis created America's first endowed chair, the Hollis Professorship of Divinity, at Harvard College.

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. [UTD](#)

Each thanked those who had mentored them along the way and family members who had supported their careers, which began at universities throughout the country and around the world.



“All of our colleagues, all of our staff, and all of our students work *incredibly hard* to accomplish what we've accomplished.”

| DR. HASAN PIRKUL, CARUTH CHAIR AND DEAN OF THE NAVEEN JINDAL SCHOOL OF MANAGEMENT



“Great leadership builds great universities like UT Dallas.”



Opposite page: Shaogiang and Shanmei Chiu show their granddaughter Alice a program with a photo of her father, Dr. Yun Chiu, who was being invested. Chiu is an Erik Jonsson Distinguished Professor.

This page: Dr. Dennis Kratz, dean of the School of Arts and Humanities, and Executive Vice President and Provost Dr. Hobson Wildenthal bestow Dr. Enric Madriguera with his medallion.

RUSSELL CLEVELAND, LEFT, WHO FOUNDED A GUITAR STUDIES CHAIR IN HIS NAME THAT DR. ENRIC MADRIGUERA, RIGHT, PROFESSOR AND DIRECTOR OF GUITAR STUDIES IN THE SCHOOL OF ARTS AND HUMANITIES, CURRENTLY HOLDS.

TURN THE PAGE
FOR MORE PHOTOS





“This chair really belongs to all of the undergraduates at UT Dallas, and we would like to thank the McDermott family and Mary McDermott Cook for this chair, as it allows us to take risks and try new things.”

DR. SHEILA AMIN GUTIÉRREZ DE PIÑERES, MARY MCDERMOTT COOK DISTINGUISHED CHAIR FOR UNDERGRADUATE EDUCATION AND RESEARCH AND DEAN OF UNDERGRADUATE EDUCATION

“The professor may be the most visible, but there’s a mutually *supportive and dedicated group of competent staff and motivated and creative graduate students*

whose excitement in their own discoveries keeps the group momentum going. They are really the heart and soul of the research enterprise.”

DR. GEORGE A. MCMECHAN, DIRECTOR OF THE CENTER FOR LITHOSPHERIC STUDIES IN THE SCHOOL OF NATURAL SCIENCES AND MATHEMATICS AND THE IDA GREEN PROFESSOR

Above: Dr. Hobson Wildenthal, executive vice president and provost; Dr. Sheila Amin Gutiérrez de Piñeres; Dr. James Marquart, vice provost; and President David E. Daniel.



Andrea Sethi with her husband, Dr. Suresh Sethi, Eugene McDermott Chair in the Naveen Jindal School of Management, and their two daughters, Chantal and Anjuli Sethi.



“I’m here today because of all the graduate students that I’ve mentored over the years. Without their hard work and dedication, I wouldn’t be standing here and for that, I owe them a great deal of gratitude. To paraphrase one of our own Nobel laureates, research without good students is an illusion.”

THE LATE DR. PHILOPOS LOIZOU WITH HIS SON, COSTAKIS. LOIZOU WAS A CECIL H. AND IDA GREEN PROFESSOR IN SYSTEMS BIOLOGY SCIENCE IN THE ERIK JONSSON SCHOOL OF ENGINEERING AND COMPUTER SCIENCE ♦ Turn to page 41 for more about Dr. Loizou.

“As a historian, I reflect on the past. The changes for those of us who arrived at UT Dallas in the 1970s are *simply breathtaking*.”

| DR. STEPHEN G. RABE, AN ASHBEL SMITH PROFESSOR IN THE SCHOOL OF ARTS AND HUMANITIES

“My parents gave me a spectacular education, especially my father, Dr. James Ross Underwood Jr., who always gave me a wonderful example of an academic life well lived. I remember at about the age of 10, that I declared to him that I wanted to be a policewoman, and he very kindly said, “No Marion. I think you’ll want to get a doctoral degree.””


DR. MARION K. UNDERWOOD, AN ASHBEL SMITH PROFESSOR IN THE SCHOOL OF BEHAVIORAL AND BRAIN SCIENCES, WITH HER FATHER, DR. JAMES ROSS UNDERWOOD JR.




“Excellence is not enough. I hope to work with my colleagues to make UT Dallas unavoidable in the kinds of programs and initiatives we take.”

DR. ROGER F. MALINA, DISTINGUISHED PROFESSOR OF ARTS AND TECHNOLOGY IN THE SCHOOL OF ARTS AND HUMANITIES AND PROFESSOR OF PHYSICS IN THE SCHOOL OF NATURAL SCIENCES AND MATHEMATICS



 Watch “Investing in Excellence” on youtube.com/utdallascomets.

 Read more about endowed professorships and chairs at utdallas.edu/chairs.



BREAKING

by Emily Martinez

THROUGH

Andy Cobb was ready to swing for the fences when his dad called out from the bleachers behind home plate, “Hey, Andy, scoot back a foot or two!”

Andy quickly adjusted his stance, waited for the next pitch and knocked it out of the park.

What would be a feel-good Little League moment for most families was something more for Mary Cobb. She thought about how different life might have been for her boisterous, athletic, confident third-grader.

“It’s those normal moments in day-to-day life, the times when Andy hears us and responds like any other kid,” Cobb said. “That’s when I imagine what might have happened if he had been born 50 years ago—before cochlear implants.”



Callier patient Andy Cobb (left), Callier program manager Melissa Sweeney (center), and Andy’s mother, Mary Cobb (right).

Inset: Little League athlete Andy Cobb.

CONFRONTING CHALLENGES

Because hearing and speaking come so naturally, people take communication for granted. The same parents who sprint for the video camera to capture their child's first words may find themselves, a few years later, sighing and rolling their eyes as their talkative toddler narrates daily activities nonstop.

But what if a baby doesn't notice when Daddy comes into the room loudly singing a silly song about five little monkeys? What should parents do if their three-year-old's unintelligible speech draws confused looks from playmates? Or a young person's inability to interact normally creates a paralyzing obstacle to adult success? Or a doting grandmother can't hear her grandchildren on the telephone?

These basic symptoms of the failure of one of the most fundamental aspects of human interaction are the subject of high-level interdisciplinary work engaging researchers and clinicians across

patient care and groundbreaking investigation of communication disorders. Scientists, clinicians and students from varying disciplines collaborate on leading-edge technologies and therapies capable of dramatically improving the lives of children and adults with speech or hearing challenges. From neuroscientists and engineers researching the debilitating symptoms of tinnitus among veterans to speech-language pathologists and developmental psychologists formulating strategies for identifying language deficits in young children, these disparate experts are sharing insights and expertise to find ways to help people communicate better.

Dr. John Hansen, distinguished chair and associate dean for research in the Erik Jonsson School of Engineering and Computer Science, said these projects set UT Dallas apart from many universities that also have outstanding engineering programs or top-rated speech and hearing departments.

**“We bring the scientists together
with the engineers to figure out
what is needed to help patients.”**

-Dr. John Hansen

campus. Their team approaches have earned the University an international reputation for educational excellence, innovative

“We bring the scientists together with the engineers to figure out what is needed to help patients,” Hansen said. “The engineers learn about potential difficulties with technological solutions, while clinicians and scientists develop an understanding of the building blocks that go into making a new therapeutic option successful.”
[See *Diagnosis: Teamwork* on page 23]

FROM CLINIC TO CLASSROOM

The Callier Center for Communication Disorders became a part of UT Dallas in 1975. At the time, the 12-year-old clinic was already a regional authority in hearing and speech treatment. Its affiliation with the University signaled a new era in which professional education and training would be combined with research and patient care.

UT Dallas' Callier Center now has facilities near downtown Dallas and in Richardson and provides clinical services for nearly 5,000 patients annually, while also serving as a research and training center

Four-year-old Henry Jiede uses an iPad during his speech-language therapy session with Christina Gollis at the Callier Center.



Letting Joyful Sounds Be Heard



The Callier Center for Communication Disorders became part of The University of Texas at Dallas in March, 1975. Callier specializes in research, educational programs and clinical services regarding communication disabilities, and is one of UT-Dallas' most vital community service outreach programs.

for graduate students and scientists.

“We are unique in North Texas because of the breadth of services, the wide range of research and the opportunity this atmosphere offers to the next generation of communication professionals—students who are learning from world-renowned faculty,” said Dr. Thomas Campbell, holder of the Ludwig A. Michael, MD, Callier Center Executive Directorship and the Sara T. Martineau Professor in the School of Behavioral and Brain Sciences (BBS). “We are living through an exciting time, when technology is being developed to match our boldest visions.”

Callier was among the first therapeutic centers in the nation to embrace cochlear implants, which were invented in Australia and initially met with skepticism in the United States. Few biomedical devices change patients' lives as significantly as these, which bring sound to individuals who heard almost nothing before.

Two professors—Dr. Emily Tobey, the Nelle C. Johnston Chair in Communication Disorders in Children, and Dr. Ross Roeser—were instrumental in accelerating the initial U.S. evaluations and clinical trials of implants in the 1970s.

Roeser, one of the first audiologists appointed to the Food and Drug Administration (FDA) panel assessing new medical devices, helped spearhead testing of implants.

Diagnosis: Teamwork

Some speech and language disorders can be baffling and difficult to identify. Engineering faculty members led by Dr. John Hansen, distinguished chair and associate dean for research in the Erik Jonsson School of Engineering and Computer Science, and research associate Dr. Abhijeet Sangwan PhD'09 are collaborating with Dr. Thomas Campbell, executive director of the Callier Center and professor in the School of Behavioral and Brain Sciences, to develop an improved diagnostic tool.



Dr. John Hansen

The team is working on developing a computerized, automated algorithm to compare the efficiency and accuracy of having a computer, instead of a person, monitor and categorize speech sounds.



Dr. Abhijeet Sangwan

Automation of the speech transcription process could have profound effects on both the time required to analyze speech as

well as the accuracy of transcribing the speech of both normal and disordered speakers. In the past, diagnosis required a highly trained clinician to sit with the patient, usually a child, and note each sound and phrase, then interpret the results to diagnose the problem.

With automatic tools like the one developed by engineering and BBS researchers, speech clinicians in the field could quickly skim automated results and pick out key passages, then move quickly to focus on treating the communication issues. The research also could lead to an automated application for monitoring daylong audio profiles to assess speech communications in more natural environments, allowing clinicians to see into the daily communications of their subjects outside the clinic, thereby providing a truer picture of the issue. **UTD**



Dr. Thomas Campbell

Where Ideas Converge to Create New Perspective

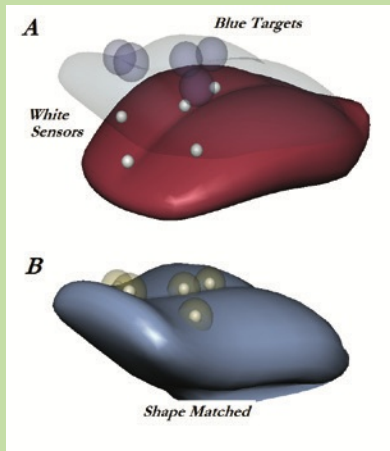
Issues involved in communication disorders are so complex that cross-disciplinary efforts are often required to figure out solutions. To inspire and nourish crossover projects, the University launched the Communications Technology Center, a collaborative effort among the School of Behavioral and Brain Sciences (BBS), the Jonsson School and the School of Arts and Humanities.

Housed on the University's main campus, the center provides space and tools for research and the sharing of ideas among scientists, clinicians and students who use their expertise to invent and assess new technologies and treatments for people facing communication challenges.

"While science and art traditionally are thought of as separate and different, everything is connected today," said Dr. Dennis Kratz, dean of the School of Arts and Humanities. "UT Dallas is becoming

a place where ideas converge to create an entirely new perspective."

One project under way at the technology center—a tool to treat apraxia of speech—benefits from the efforts of communication scientists, computer scientists and animators.



Apraxia of speech, often the result of brain damage caused by stroke, affects the timing and placement involved in speech movements. Dr. William Katz, BBS professor, employs electromagnetic articulography to allow patients to view 3D images of their own tongue movements on a computer screen while they're speaking. The

interactive device is positioned like a shower head above the patient, and sensors are placed on the person's tongue.

"We are dealing with patients who know what they want to say, but can't position their tongues in a way that

allows them to get the correct sounds out. It's extremely frustrating for them," Katz said. "We've found that allowing them to see where the tongue should go speeds up the recovery of some of their speaking abilities."

Katz's research was enhanced by the work of a team led by Dr. B. "Prabha" Prabhakaran, a computer science professor in the Jonsson School. The team helped create the computer program to translate tongue movement



Eric Farrar

from human subjects to animated avatars.

The avatars used by Katz were created by animators in the A&H Arts and Technology (ATEC) program who used movement data to create realistic images highlighting irregular motions. Eric Farrar, an assistant professor in A&H who previously worked on Hollywood blockbusters, applied cinematic animation techniques to this clinical project, enabling the patient to pinpoint the placement of the tongue and lips needed to produce the correct sounds during therapy.

"By crossing boundaries between disciplines on projects like this we open ourselves up to completely different ways of looking at problems," Farrar said. "From the student's perspective, interdisciplinary projects can open doors to entirely new lines of study and research. So many ATEC students are focused on careers in the film or gaming industries, but this type of application can show other possibilities for use of the technology." **UTD**



Dr. William Katz

“When I began in audiology, children identified as deaf were sent to a state school, separated from their families and the rest of society, perhaps for the remainder of their lives,” said Roeser, the Howard B. and Lois C. Wolf Professor for Pediatric Hearing and executive director emeritus of Callier.

Cochlear implants dramatically changed the approach to treating deafness. The first Dallas patient to receive implants was Michael Noble. His parents had been told their toddler’s profound deafness would prevent him from advancing beyond third-grade level in reading and communication skills.

Today, Noble is a graduate of Southern Methodist University and a marketing associate for a cochlear implant manufacturer.

“I’m very glad that I was able to prove [the first prognosis] wrong,” Noble said. “I’ve learned a lot about what we can do to overcome challenges.”

ling testimony on the importance of reaching potential users early.

Noble credits his success to early intervention. After receiving the cochlear implants, he spent years in speech therapy, eventually entering mainstream classes.

“I’m so glad my parents took the leap of faith and tried cochlear implants,” Noble said. “They’ve given me access to the world of sound, to people around me and to music, which I love.”

INCREASING ACCESS

The newly launched Callier Cochlear Implant Program at Children’s, with clinics in Dallas and Plano, is a significant regional effort aimed at increasing access and streamlining the follow-up process.

Surgeons from UT Southwestern and Children’s perform the implantation. After surgery, Callier audiologists help “map” the

“When I began in audiology, children identified as deaf were sent to a state school, separated from their families and the rest of society, perhaps for the remainder of their lives.” -Dr. Ross Roeser

Noble’s success doesn’t surprise Tobey, one of the first independent investigators in the original FDA clinical trial for cochlear implants.

“By intervening early, we see patients are better able to adapt to the device,” said Tobey, a professor in BBS and vice provost. “Follow-up also has a great deal to do with the user’s success. They

need speech therapy and other programs to reach their full potential.”

Tobey’s work with cochlear implant patients continues, as she and research colleagues at nearby UT Southwestern Medical Center and Children’s Medical Center and at other organizations around the world monitor the long-term progress of patients. Her studies, which report on patients’ communication, social and academic success at different periods of their lives, provide compel-

ling testimony on the importance of reaching potential users early. The center’s speech-language pathologists also work closely with patients, helping to expand their speaking abilities.

Dr. Peter Roland, chairman of otolaryngology-head and neck surgery at UT Southwestern and one of the nation’s most experienced surgeons in cochlear implantation, said the close collaboration between UT Dallas and UT Southwestern has made research and clinical care advances possible.

“It’s been very rewarding to work with a group of people who are so committed and dedicated to putting patient care ahead of everything else,” said Roland.

Often called “bionic ears,” cochlear implants are auditory nerve stimulators that are surgically implanted under the skin. Electrodes are placed in the cochlea of the patient’s inner ear and a speech processor and transmitter unit is steadied by a magnet behind the outer ear. More than 250,000 people worldwide have received the implants, including Little League athlete and Callier patient Andy Cobb.

“We found out Andy was deaf at age 2,” said his mother, Mary. “He actually had passed hearing tests for a doctor, but we still felt something was wrong. An auditory brain response test was conclusive: Andy was profoundly deaf.”

Callier identified Andy as an ideal implant candidate. He received devices in both ears. When they were turned on, “this



Michael Noble (center), the first Dallas cochlear implant patient, with his parents.

big smile came across his face as he pointed to his ear,” Mary said.

Andy returns to Callier a few times a year for fine-tuning or processor updates. He has attended weekly speech therapy sessions since he was 2.

CONVERGENCE OF IDEAS

Like any complex technology, cochlear implantation has limitations. A chief complaint of users is excessive background noise, which is also a persistent grievance among hearing aid wearers. Implant users often return to the clinic repeatedly to get input settings adjusted but may never get it quite right for all conditions.

Engineers in the Jonsson School are working on a remedy that lets users adjust their implant settings in any environment. The specially designed algorithm and software interface allows adjustment via a mobile computing device, much like tuning a radio.

Several healthcare and research facilities across the United States are scheduled to participate in clinical trials of the new interface. Because coding began before the rapid rise of the iPhone and BlackBerry, the software was developed for a Palm device. But University engineers intend to modify the software for evolving devices if it proves safe and useful in clinical trials.

Dr. Philipos Loizou was director of the engineering school’s Cochlear Implant Lab and principal investigator for the project,



Engineering researchers are developing technology that will improve smartphone interface with cochlear implants.

Loizou passed away in July, but his UT Dallas colleagues are continuing the project to which he dedicated so many years.

Dr. Bruce Tomblin, a pioneer in the field of speech and language disorders and the Spriestersbach Distinguished Professor at the University of Iowa, said UT Dallas’ communications programs offer excellent examples of what transpires when scholars engage in interdisciplinary collaboration.

Tomblin describes the research community as a marketplace of ideas where the currency is empirical evidence. The marketplace

“Our research is about helping people take full advantage of the opportunities offered by advances in hearing science along with the increasing capabilities of mobile technology.”

-Dr. Philipos Loizou

which is funded by the National Institutes of Health (NIH).

“This is a project that could make day-to-day life much better for implant users,” Loizou said. “Our research is about helping people take full advantage of the opportunities offered by advances in hearing science along with the increasing capabilities of mobile technology.”

allows investigators to draw from the basic natural sciences of physics, biology, psychology and neuroscience, as well as the social sciences.

“The UT Dallas communication disorders program is an excellent example of scholars adding to and integrating this diverse information,” Tomblin said. “The education mission of the program clearly

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UTD Home to Top Programs in Nation

Aspiring speech-language pathologists and audiologists who develop their skills at the University are enrolled in one of the nation's largest and most respected programs: graduate-level audiology is ranked third in the nation, and speech-language pathology is 11th in the latest *U.S. News & World Report* surveys. UT Dallas has about 280 students in its communication disorders graduate programs and 228 in undergraduate courses.

"These programs' reputations attract the best students from all over the country," said Dr. Bert Moore, dean of the School of Behavioral and Brain Sciences (BBS) and Aage and Margareta Møller Distinguished Professor. "Our faculty members work hard to expose them to real-life learning, preparing them to become highly successful professionals and caring clinicians."

BBS offers a master of science in communication disorders (speech-language pathology) and doctorates in both audiology and communication sciences and disorders. Undergraduates can earn a bachelor of science degree in speech-language pathology and audiology.

Cristina Duran, a master's degree candidate, said, "Most people think speech-language pathologists help children with articulation issues, but that's a tiny portion of this field. You can work with any age in almost any setting." Disorders addressed include autism, cleft palate, stroke, auditory processing, traumatic brain injury, cancer, and dementia among others. "For anyone who loves language, learning and helping people, this field can be challenging and extremely rewarding," she said.

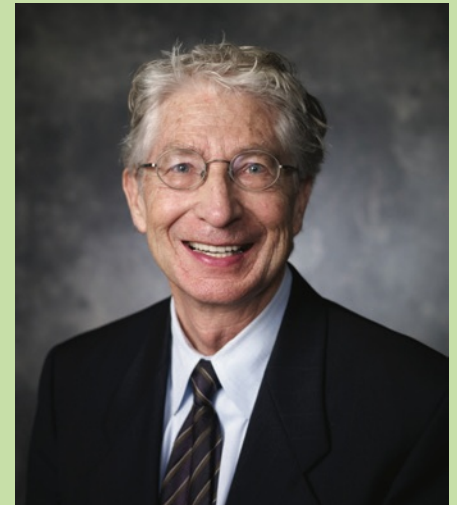
Duran praises the faculty for their expertise and for the joy they bring to teaching and training.

"They encourage students to sample a variety of off-campus practicums," she said. "There's also a huge advantage in being located in a big city like Dallas with its large number of schools and hospitals and its multicultural population."

Duran trained at a medical center with cancer patients whose voice boxes had been removed. "Witnessing a patient use their new voice for the first time was the highlight of my training," she said

Students' enthusiasm and dedication propel UT Dallas to the forefront of communication disorders treatment and research, Moore said.

"We are cutting edge because we're constantly interacting with patients, so the community is telling us what they really need," Moore said. "We pass that knowledge on to our students. It has a wonderful ripple effect. We get the chance to share everything we learn with the rest of the world." **UTD**



Dr. Bert Moore

U.S. News & World Report 2012 Graduate Program Rankings

AUDIOLOGY

1. Vanderbilt University
2. University of Iowa
- 3. The University of Texas at Dallas**
3. University of North Carolina—Chapel Hill
3. University of Washington
3. Washington University in St. Louis
7. University of Florida
8. Northwestern University
8. University of Pittsburgh
10. Rush University Medical Center
10. University of Kansas

SPEECH-LANGUAGE PATHOLOGY

1. University of Iowa
2. University of Wisconsin—Madison
3. University of Washington
3. Vanderbilt University
5. Northwestern University
5. Purdue University—West Lafayette
5. University of Arizona
8. University of Kansas
8. University of Pittsburgh
10. University of Texas—Austin
- 11. The University of Texas at Dallas**
11. Indiana University
11. University of Illinois—Urbana-Champaign
11. University of North Carolina—Chapel Hill



Every time I find myself in the middle of Afghanistan's Registan Desert, running through knee-deep orange clay while trying to protect a map and a compass from the pouring rain or blinding dust, or I'm jumping onto a helicopter with gunfire at my back, or I'm on the floor at my "place of business" when a rocket attack alarm sounds, I ask myself:

"How did I get here?"

An Unconventional Life

BY DANIELLA POOLE MESTYANEK BA'09

The daughter of missionary parents with 15 children, I am an American citizen of Slovakian descent, born in the Philippines, raised in Brazil, and a resident of eight other countries before finally moving to the U.S. when I was 15 years old.

I majored in literary studies at UT Dallas. As an undergraduate, I was a member of the Graduate Translators Association (GTA) and the chess team. For the past three years I have been serving as a military intelligence officer in the U.S. Army.

As my life and career progress, I am con-

stantly applying the things I learned from my past experiences and my time at UT Dallas. The University excelled at appreciating a variety of cultural influences and experiences. As a member of GTA, I studied and experienced the importance of language and the delicate linguistic differences among different cultures. My classmates on the chess team, comprised of students from around the world, were my best friends and remain so to this day. They taught me that while our individual stories may be different, the human experience is essentially the same.

And if we learn to understand each other, our lives will become enriched by the ability to appreciate the differences that make us who we are.

As I write this, I am deployed to Afghanistan. Here, I run the operations intelligence office for the U.S. Army aviation brigade—working to protect the pilots, crews and soldiers who conduct air-based missions within the war zone. I research, study and learn everything that I can about the enemy in hopes of predicting where they will attack next. In war games—or the preparation and



rehearsal process—I am the friendly version of the insurgents who are trying to kill our soldiers. If the pilots can figure out how to beat me, they can hopefully outsmart and outmaneuver the real enemy and bring the soldiers home alive. My job helps to keep people alive, even if I don't always get to see it firsthand. That is why I am here.

I started thinking about the military when I first visited the U.S., at age 14, and was beginning to learn a little about the country and its culture. I had always known that I was American, but had very little concept of what it meant to be one.

Suddenly, 9/11 dawned and the whole country changed. I remember walking downstairs for breakfast and seeing the live

televised reports from Ground Zero. It took several minutes for me to fathom that this horrific sight could possibly be real. I feared that if such an act could happen in New York, then it could happen in places like Los Angeles, where my family lived, as well. I worried about my friends who lived in New York. I remember thinking that maybe my parents were right about all the evil in the world. With equal horror, I watched some religious leaders proclaim the attack on America as God's divine justice on an evil nation.

The benefits of citizenship provided me with a sense of gratitude. I have benefited on multiple occasions from being born American, including the ability to attend the University on a mixture of scholarships and



federal financial aid programs. The desire to give something back to my country has always been strong, and after 9/11, "giving back" meant military service. After graduating from college, I went to basic training and was commissioned as a military intelligence officer.

In 2011, I deployed to Afghanistan in support of Operation Enduring Freedom. Shortly after my arrival, I was given the opportunity to participate in a new Army program—a Female Engagement Team (FET)—that would allow me, once again, to interact with another culture and try to make a difference. Contrary to what some may believe, we are not fighting the Afghan people but the terrorists that have lately been in control of the country. In order to successfully beat these insurgents, one of the Coalition Forces' main goals is to "win the hearts and minds" of the local population, including reaching out to the women

Following graduation, Daniella Mestyaneck's sense of gratitude for her life as an American led her to military service as an intelligence officer in Afghanistan. She is now stationed with the 101st Airborne Division at Fort Campbell, Ky.

Above left: As female soldiers, 1st Lt. Carrie Scarabino, 2nd Lt. Jessica Farrell and 2nd Lt. Mestyaneck serve in the same capacity as men, completing missions that range from patrol to civilian engagement.

Above right: Mestyaneck, who is one of 15 children in her family, visited with younger sister Carisa before deploying to Afghanistan in 2011.



who make up 51 percent of the population of the country, something that was ignored for the first nine years of the war. Due to the Muslim rules of conduct between men and women, it is almost impossible for male soldiers to have any interaction with Afghan women, so select female soldiers increasingly play an important role. For my part, I feel that I have been given an incredible opportunity to unite an appreciation for cultural sensitivities and the fight for women's rights and freedoms in one job—all of which are dear to my heart.

We female soldiers serve in a variety of roles, from trying to find out what the women need and giving candy to their children, to performing other actions that are no different from what male soldiers do—patrol, capture, search and seizure. The goal is, on one hand, to fight and win this war, and on the other, to not offend the honor and dignity of the people whose support we desperately need. Many Afghans are

on the fence about whom they will support in this fight—the Taliban or the Coalition Forces. Something as simple as having a female soldier to segregate and search the women, which shows that we do have respect for their culture, can mean the difference between throwing in their lot with us or learning how to make bombs to kill us.

This job gives me the chance to be what I love the most—an oxymoron, someone who doesn't fit into a mold. I am a military intelligence officer. It is a desk job where I develop skills and knowledge that I will likely use for the rest of my life, but it is also a bad-ass soldier job where I go

on long marches in heavy armor, carry a gun, engage with the population and complete my mission—just like any of "the boys." In both aspects of my job, I know that I help people and I hope that I make a difference that will outlast

my presence here. Every time I see the look of shock that quickly turns to a smile on a little girl's face when she realizes I am a woman after I take off my helmet and dark glasses, I hope that the knowledge that women are doing things she had never imagined possible will somehow make a difference in her life. If not, it is just nice to see the smile and know that I helped to make it happen.

This job propels me to discover who I am and who I want to be. All my life, I have helped people in one way or another—first as a missionary/charity worker and now in my capacity as a soldier and an officer. I am realizing all of the many ways that I can make a difference and help people throughout the world. My goal for the future is to earn a master's degree in international relations with a dual focus on international security policy and the South American continent. I want to continue to build on the experiences that I have gained from my youth, my time at UT Dallas and my time in the U.S. Army. I don't know all of the details yet, and life continues to be a constant—but usually pleasant—surprise. For a career in public diplomacy, it's probably good that I like it that way. **UTD**

This job gives me the chance to be what I love the most—an oxymoron.

Alumni Benefits, Services and Opportunities

Alumni ID Card

Your ID card provides discounts to on-campus events and activities. Use it at the Activity Center, network at a career expo, or attend an Arts and Performance event by simply showing your ID card. The Alumni ID card is free and available at the Comet Center in the Student Union.

Alumni Insurance Benefits through Marsh and Liberty Mutual

Visit personal-plans.com/utd to see how you can save on your personal insurance through Marsh. Liberty Mutual rewards graduates with a College Education Discount on auto and home insurance. To the extent permitted by law, applicants are individually underwritten; not all applicants may qualify.

Career Center

The Career Center offers career expos, job listings, career coaching, career assessments, seminars and the UT Dallas CareerWorks website. Visit utdallas.edu/career to learn more.

Email Address

Visit alumni.utdallas.edu to create your free alumni forwarding email address.

Events

The Office of Development and Alumni Relations hosts the UT Dallas Awards Gala, homecoming, a signature summer alumni event and other networking and social events as opportunities for alumni to connect with each other and the University. Visit alumni.utdallas.edu for more information.

Leave Your Mark with a Brick on Legacy Lane

Order your brick and make a lasting impact on the UT Dallas landscape. Legacy Lane is a beautiful tree-lined path that stretches along the creek behind the Eugene McDermott Library. Your brick will be installed in the section dedicated to alumni from your class year.

McDermott Library

McDermott Library offers access to the McDermott Library Catalog, use of over one million volumes of books, access to federal and state government documents, use of films and maps and on-site access to databases, electronic books and electronic journals. Visit utdallas.edu/library for more information about upcoming events, exhibits and author receptions.

Online Directory

Visit alumni.utdallas.edu to view the online alumni directory. Participation is voluntary.

Order a Copy of Your Diploma

Additional copies of your diploma may be ordered from the Office of the Registrar for a small fee. Visit utdallas.edu/student/registrar/forms to learn more or order a copy of your diploma.

Request Your Transcript

Request a copy of your transcript online or through the mail by contacting the Office of the Registrar. Visit utdallas.edu/transcript to learn more or order a copy of your transcript.

Social Media Connections

Stay connected to UT Dallas alumni. Network with alumni groups on LinkedIn, Facebook, Google+ and Flickr.

The UT Dallas Ring

Showcase your school pride with the UT Dallas ring, exclusively designed for our graduates. Visit alumni.utdallas.edu/ring to learn more.

UT Dallas Magazine

Alumni receive a complimentary subscription to the University's magazine. To receive yours, make sure your current address is on file by emailing alumni@utdallas.edu or by selecting the 'My Account' button at alumni.utdallas.edu. Read issues online at utdallas.edu/magazine.

2012 UT DALLAS Awards Gala

UT Dallas bestowed highest honors on seven alumni, one alumni organization, a community leader and a faculty member at the annual Awards Gala in April. The gala features the Distinguished Alumni Award, the Green and Orange Award for Alumni Service, and the Gifford K. Johnson Community Leadership Award.

GIFFORD K. JOHNSON COMMUNITY LEADERSHIP AWARD HONOREES

The Johnson award is named for the first president of the Southwest Center for Advanced Studies, the institution he helped transform into UT Dallas in 1969.



BRENT E. CHRISTOPHER is president and CEO of Communities Foundation of Texas (CFT), which works with families, companies and nonprofits to strengthen the community through charitable funds and strategic grants. CFT is one of the organizers of North Texas Giving Day, a one-day event that raises millions of dollars for local nonprofits, including UT Dallas. In 2009, Christopher and CFT helped the University

leverage millions of dollars in matching funds through the Texas Research Incentive Program, under which smaller gifts could be combined to reach the matching criteria. Christopher earned a law degree from The University of Texas at Austin. He also received a master's degree in political economy and political culture at The University of Nottingham in England, and a bachelor's degree in public administration and economics from Baylor University. Christopher is on the board of directors at both Safer Dallas Better Dallas and Passion for Children's.

"The spirit of vigor and entrepreneurialism is at the heart of this institution and the heart of Gifford Johnson. I am honored to accept this award on behalf of all of us at CFT."



AAGE MØLLER is the Margaret Fonde Jonsson Professor in the UT Dallas School of Behavioral and Brain Sciences (BBS). Dr. Møller is known internationally for his innovative research on sensory systems and neural plasticity. His work has helped establish UT Dallas as a leader in tinnitus-related research. Møller's development of intraoperative neurophysiological monitoring, which enables monitoring of sensory and motor

function during brain and spinal cord surgery, has saved many people from deficits that could have greatly reduced their quality of life. Among Møller's many awards are: The American Society of Intraoperative Monitoring Award of Excellence, Honorary Diplomate of the American Board of Neurophysiologic Monitoring and the UT Dallas President's Teaching Excellence Award. Møller earned his PhD and doctorate in medical science at the Karolinska Institute in Stockholm, Sweden. He has a long history of supporting UT Dallas, establishing a teaching award, two scholarships and two professorships.

"The leadership of this University provides faculty with the resources, the encouragement and the freedom to do what researchers feel is most important."



Brent E. Christopher (center) is congratulated by President David E. Daniel and Executive Vice President and Provost Hobson Wildenthal.



Sara T. Martineau and Dr. Thomas Campbell, executive director of the UT Dallas Callier Center for Communication Disorders. Campbell holds the Ludwig A. Michael, MD, Executive Directorship and the Sara T. Martineau Professorship in Communication Disorders. Martineau received the Gifford K. Johnson Community Leadership Award in 2010.

GREEN AND ORANGE AWARD FOR ALUMNI SERVICE HONOREE

Established by Mrs. Margaret McDermott in support of her husband's dream, the Eugene McDermott Scholars Program brings some of the nation's best and brightest young people to UT Dallas. Approximately 20 McDermott Scholars are selected each year. The McDermott Scholars Program blends classroom and independent study; leadership, service, culture, travel and pre-professional experiences. This year's Green and Orange Award honors the
EUGENE McDERMOTT SCHOLARS PROGRAM ALUMNI ASSOCIATION —
an independent nonprofit organization that supports the work of the McDermott Scholars Program and fosters connections between the program's alumni and the University.

"We owe a great debt to this University, to its founders, professors, leaders and to Mrs. Margaret McDermott," said Andres Correa BA'05, a McDermott Scholar. "I don't think of what we've done as alumni service; it's more of a call of duty that we have to fulfill."

DISTINGUISHED ALUMNI AWARD HONOREES



SUSAN G. FLEMING PHD'87

discovered her love for helping children with communication disorders long before becoming a student at UT Dallas. As a bachelor's and master's student in speech pathology and audiology at Southern Methodist University, she thrived in the classroom. During her career, which included working at Texas Scottish Rite Hospital, directing the preschool at the Greenhill School and

maintaining a private practice, Dr. Fleming flourished. When she joined the Shelton Evaluation Center (a division of the Shelton School) in 1993, she knew she had found what would become the pinnacle of her career. Fleming served as director until 2009 when she became director emeritus of the center, which was established in 1976. The center evaluates thousands of children, adolescents and adults from the U.S. and abroad. Fleming is a member of the executive committee of the Branch Council of the International Dyslexia Association and serves on the board of directors for Dallas Lighthouse for the Blind.

"UT Dallas has been tremendous in changing how I think about things. I feel like I became a different person from being here."



CHANDRASEKHARA "CHANDU" R. GUNTAKALA MS'98

is a successful entrepreneur and business executive in the technology industry. He is founder, president and CEO of Anuta Networks, Milpitas, Calif., which delivers technology that enables cloud-based computer networks. Guntakala began his career in engineering at Cisco Systems and co-founded Jahi Networks Inc., which was sold to Cisco in

2004. Guntakala co-founded Nipun Net Solutions in 2002 and was responsible for establishing the first wireless company in South India for Cisco. At Nipun, he oversaw India's operations, focusing on strategy, business development, strategic alliances and establishing the wireless market for Cisco products. Guntakala, who has a master's degree in computer science from UT Dallas, devotes much of his time to community and volunteer activities. The organization he founded, Austin Chetaks, helps promote the building of healthy communities. Another of his

concepts, Mathruseva Charitable Trust in India, helps rural communities with drinking water, education and infrastructure.

"This University changed my life. It put my life into a different paradigm and a different dimension."



YANCEY HAI MA'78 spent 20 years in the financial sector working with J.P. Morgan, Citibank and GE Capital before joining Delta Electronics, where he now serves as vice chairman and CEO. Taiwan-based Delta Electronics is a leader in power switching supplies, state-of-the-art green technologies and energy management solutions for applications such as electric vehicles, industrial automation, solar systems and LED lighting. The

company is also a pioneer in advanced display and voice technologies. For his contributions to the company's success, Hai received the CBLA 2010 China Business Leader of the Year Award. Hai also takes an active role in philanthropy as director of Delta Electronics Foundation and Delta Educational & Environmental Foundation, which are devoted to research and education, energy conservation and environmental protection. He still maintains ties to UT Dallas, hosting visitors from the Naveen Jindal School of Management at Delta's headquarters and organizing an event for faculty visiting Taipei.

"This is a real honor to be here. I'm so excited and very grateful for UT Dallas."



ROBERT E. HOLMES JR. BA'78

graduated with a degree in economics from UT Dallas and received his law degree from SMU. He began his legal career working in family and divorce law. Then in 1995, Holmes founded Holmes, Diggs & Eames, PLLC, which specializes in family law. Thirteen lawyers constitute the practice, which has offices in Dallas, Houston and Denton. Holmes enjoys the day-to-day mentoring

of the firm's young lawyers and providing guidance to clients experiencing stressful situations. Holmes is a fellow in the American and international academies of matrimonial lawyers. He has been recognized by *Texas Monthly* magazine as a top attorney in Texas. To fulfill his desire to give



Alumni and students from the Eugene McDermott Scholars Program celebrate their Green and Orange Award for Alumni Service with President David E. Daniel (seated left).

back to the School of Economic, Political and Policy Sciences, Holmes hosts a pre-law alumni reception at his home to welcome new graduates to the alumni community. He also gave a challenge grant for the UT Dallas Mock Trial team and provided pre-law students with internships.

"This school has done so much for me—it's been a beautiful ride. And I always said that I would come back and give back."



J. BRIAN MCCALL PHD'06 is chancellor of the Texas State University System, the oldest and third-largest university system in Texas. A member of the Texas House of Representatives from 1991 to 2010, Dr. McCall was also the chairman of the Committee on Calendars and a member of the Committee on Higher Education. During his last session, McCall secured \$5 million in funding for the UT Dallas

Center for Values in Medicine, Science and Technology. Formerly he served as president of Westminster Capital Inc., an investment firm focusing on acquisitions primarily in software and technology. He currently serves on the board of ViewPoint Bank. McCall holds a bachelor's degree from Baylor University and a master's degree from SMU. His book, *The Power of the Texas Governor: Connally to Bush*, is based on his doctoral dissertation, which was directed by UT Dallas Dean Dennis Kratz and Professor Anthony Champagne. A longtime civic and community volunteer, McCall is founder and chairman of the board of The Empowerment Project, a nonprofit organization that provides books to schools in South Africa.

"UT Dallas has been so important to me. As a middle-aged man, I felt stuck in my career and decided to create a new one in higher education. I knew I needed a lot of luck and a PhD and to publish a scholarly book. If it weren't for the people here who took an interest in me, it would never have happened."



TRACY ROWLETT MA'80 worked for Armed Forces Radio and Television Service at Wheelus Air Base in Tripoli, Libya. He was on duty in Tripoli when President John F. Kennedy was shot in Dallas. For the next three days, Rowlett reported the events surrounding the assassination. That experience convinced him to switch from print to radio and television. Rowlett went on to work as a news director, state capitol

correspondent, anchor and reporter for several radio and television stations. He moved to Dallas/Fort Worth in 1974 to be an investigative reporter for WFAA-TV, becoming an anchor in 1975. He signed with CBS 11 in 1999. Rowlett traveled the world to cover major news events, including the fall of the Soviet Union and conflicts in the Middle East. During his career, Rowlett was honored with the Alfred I. duPont-Columbia, Edward R. Murrow, Emmy and the Dallas Press Club's Katie awards. He retired in 2009. Along with his wife, Jill, Rowlett gives his time to community organizations, such as Children's Medical Center and the American Heart Association.

"My goodness, what a University to be proud of today. Sometimes I just drive through campus, looking at all of the new trees, buildings and students. I simply love it."



QINGMING YANG PHD'93 is the executive vice president of business development and geosciences at Approach Resources Inc., an independent oil and natural gas company headquartered in Fort Worth. To support his alma mater, Dr. Yang recently established an Opportunity Fund for the Department of Geosciences. He is also a member of the newly formed School of Natural Sciences and

Mathematics Advisory Council. Before joining Approach Resources, Yang was an exploration manager, technical lead and geosciences adviser at Pioneer Natural Resources Inc. At one point, Yang also worked as a research scientist at UT Dallas. He is a member of American Association of Petroleum Geologists and was an associate editor for the organization's bulletin. Yang earned his bachelor's degree in petroleum geology from Chengdu University of Technology in the People's Republic of China and a master's in geology from George Washington University.

"It's great to be part of a great, young, vibrant and ambitious University. Over the last several years, UT Dallas has produced graduates who have become government leaders, distinguished scientists, industry executives and more. What a history in such a short amount of time! UT Dallas has always been Tier One in my mind."



Among the community leaders at the gala were Dr. J. Cook and Vester Hughes (center left and center right) of the Communities Foundation of Texas.

Supporters of honoree Tracy Rowlett MA'80 (right) include Dee Wily.



Honoree J. Brian McCall PhD'06 visits with Rep. Jerry Madden MS'78, who was a distinguished alumnus in 2009.



Honoree Chandrasekhara R. Guntakala MS'98 (second from right) enjoys the festivities with friends and family.



(Left to right) Honoree Yancey Hai MA'78 and daughter Nicole Hai are congratulated by Rep. Angie Chen Button and Bill Sproull.



Dr. George Fair (left), dean of the School of Interdisciplinary Studies, and his wife, Margaret, and Troy Dungan (right) with his wife, Janet.



Honoree Qingming Yang PhD'93 catches up with former co-worker David Williamson BS'98, MS'02, MS'03.

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By Sara Mancuso



When his head isn't in the clouds, what does one of Microsoft's top inventors do to blow off steam? Christian Belady MA'90 slides into a bright yellow tricked-out Porsche and hits the racetrack.

Belady says it's not about speed.

It's about how you take the turns, especially the first one. It's like life, where every decision you make today impacts every decision you make in the future. "It may be perceived as a dangerous thing, but that's what I do and it's what clears my mind and energizes me," he explained.

Belady is the general manager of Data Center Services for Microsoft's Global Foundation Services. Translation? He helps build, manage and breathe life into the entire world of cloud computing at Microsoft. With the prevalence of commercial products like Microsoft's Office 365, and a plethora of cloud services like competitors' Dropbox and iCloud, Belady has his two-minute elevator speech down.

"You log on to your computer to access your email, right? No, you log on to your Internet service provider's server. Do you know where that server is? It's somewhere out there in the 'cloud,' meaning it's hosted in someone's data center. Do you notice that wherever you are on the planet, you can always log on? That's cloud computing. It's oversimplified, but it's essentially a resource that holds your data and keeps it secure and available through any communication device anywhere and anytime."

Microsoft, just one provider of cloud services, supports more than 1 billion customers and 20 million businesses in 76 countries. And

Belady has been a key player in building this business. As the director of hardware architecture in the Extreme Computing Group at Microsoft Research, he managed the team that explored hardware opportunities

related to the future of the client (hardware) plus cloud computing. When he started at Microsoft in 2007, he was the principal infrastructure architect, improving efficiency and cost in the company's data center infrastructure.

And Belady is a true believer.

He thinks that an increasing number of businesses have migrated over to the cloud because "it's more financially efficient than running your own IT department and data center. With the scale of the cloud provider, they'll be able to do things that an enterprise IT operation could never do because they don't have the scale." A modern-day techno-prophet, Belady urges businesses: "Go out into the cloud."

Before Microsoft, but after earning engineering degrees from Cornell University and Rensselaer Polytechnic Institute, Belady enrolled at UT Dallas. Pursuing a master's degree in international management studies was the "inflection point" in his career. "Ironically, my career didn't really start until I finished my degree in business from UT Dallas," said Belady, who was named a 2010 distinguished alumnus. "Mixing disciplines is one of the most valuable things you can do in your career."

After serving on the board of UT Dallas' former alumni association, including one year as president, Belady became a "distinguished technologist" for Hewlett-Packard, where he taught the art of innovation to HP employees around the country. Now at Microsoft, Belady lives on Mercer Island, Wash., with his wife, Joan, and their two teenagers. Their kids are about the same age Belady was when he received encouragement for his school chemistry lab experiments—even those that went awry—from his father, who nurtured his creativity and innovation from a young age.

Belady still values experimental whimsy, blending his notions of philosophy, technology and politics.

"I believe the cloud is going to be a forcing function for political and economic change on the global community. When I really think about it, what's fascinating is that I see the cloud as more of an organism. This organism, the cloud, is getting more and more pervasive around the globe. It's going to mutate around countries that aren't cloud friendly and isolate them. Slowly, businesses inside of those countries will start wanting to move their operations outside the country because



Belady (left) with his racing friends and his yellow Porsche.



As treasurer of The Green Grid, Belady (far right) and directors rang the closing bell of the New York Stock Exchange. The Green Grid, a global consortium that advances data center energy efficiency, had participated in a forum hosted by the NYSE Euronext.

they won't be able to compete. As a result, countries will have to change their policies. The cloud then may become a forcing function that will help create a cloud-friendly policy."

Big-picture thinking is intuitive for Belady, who weighs in as an author on the Microsoft blog, globalfoundationservices.com, and has come up with 100 inventions to make computing hardware more powerful and energy efficient. An early architect of The Green Grid, Belady says this group of companies, which looks at data center energy efficiency, made what is his pride-and-joy

contribution to the industry. Now an industry standard, power usage effectiveness (PUE) is a measure of how efficiently a computer data center uses its power. "I've always said that low cost and sustainability are synonymous. My interest is always to get more out of less by looking at things differently and to continue to drive a healthy conversation in the industry around best practices that benefit our planet, customers and communities." **UTD**

ALUMNI NOTES

1970s ▶

Bruce Mehlenbacher BS'79 has joined Citizens 1st Bank as the senior vice president and branch manager in Jacksonville, Texas.

1980s ▶



Corale Brierley PhD'81 was honored with the 2011 Milton E. Wadsworth Metallurgy Award from the Society for Mining, Metallurgy and Exploration for her "pioneering contributions to the bio-extraction of metals from ores and concentrates and to the bioremediation of mining wastes."



James Pruitt BA'81 ran in the Texas GOP primary race for House District 33, which encompasses Rockwall County and parts of Collin County.

Melendy Lovett MS'82 was elected to the board of directors for Trinity Industries Inc. She is a senior vice president at Texas Instruments and president of the company's worldwide education technology business.



Sally Crawford BGS'83, a partner at Jones Day Dallas, was named Dallas Bar Association (DBA) president-elect. She was elected to the DBA board in 2004 and chair in 2009. Sally has served as chair of numerous DBA committees, including the Admissions & Membership Committee, Pro Bono Activities Committee and Peer Assistance Committee. She has also served as president of the Community Service Fund and co-chair of the Campaign for Equal Access to Justice. Sally was a 2011 recipient of the University's highest honor, the Distinguished Alumni Award.

Edwina "Wini" Lynn BA'85 was selected as an "Artist of the Month" for March 2012 by the Creative Arts Center in Bonham, Texas. Her work was displayed at Legend Bank in Bonham and at the center.

Emilie "Ann" Worthy BS'85 was appointed senior vice president in charge of the banking supervision, discount and credit, and financial industry studies

departments at the Federal Reserve Bank of Dallas. She began her career with the bank in 1969. Prior to her most recent promotion, she was responsible for overseeing the discount and credit department.

Richard "Rick" Crowley MA'86 was named city manager for Rockwall, Texas, in April 2012, after having served the city as interim city manager since 2011. He began working for Rockwall in 1984, and has also worked for the Texas cities of Burleson and Colorado City.

Tim Knight MS'86, PhD'89 has been named dean of the Ouachita Baptist University J.D. Patterson School of Natural Sciences in Arkadelphia, Ark. Tim, the J.D Patterson Professor of Biology, has served as a faculty member in biology since 1989 and as chair of the Department of Biological Sciences since 1994.

Warren Rapert BS'87 was appointed to the University of Arkansas-Fort Smith inaugural alumni advisory council. Warren is vice president for finance at Trans-Trade in Las Colinas, Texas.

Jawad Ayaz MSE'89 co-founded Zansaar in January 2012. He is also director and chairman of the board at Applied Mobile and managing director at The Monster Fishing Company.

1990s ▶

Duane Quam BS'90, MS'95 represents District 29A in the Minnesota House of Representatives. He was elected in 2010.

Travis Roderick BS'90 was appointed chief executive officer of North Texas Hospital in Denton in April 2012. Travis was previously the president and owner of Transformational Health Services, an international consulting firm. He also previously served as the chief executive officer of Carrus Hospitals in Sherman, Texas.

Joyendu Bhadury PhD'91 is the associate dean of research and graduate programs and a professor of information systems and operations management at the Bryan School of Business and Economics at the University of North Carolina at Greensboro.

Thomas Tunstall MBA'92, PhD'00 was selected as the new director of the Center for Community and

Business Research at The University of Texas at San Antonio in November 2011. The center provides market research and information to economic development agencies; workforce development boards; businesses; associations; city, state and federal agencies; and others. Thomas has worked with businesses across the United States and has gained international economic business development experience in Azerbaijan, Kenya, Zambia, Guam and Afghanistan.



Deborah Branson MS'93, a 2005 UT Dallas Distinguished Alumni Award recipient, was elected to serve as chair of the Parkland Health and Hospital System Board of Managers. She works for the Law Offices of Frank L. Branson, where she has practiced law since 1983.

Kathryn "Kay" Eggleston PhD'93 was appointed president of Richland College by the Dallas County Community College District Board of Trustees. She also serves on the board of directors for both the Richardson and Garland chambers of commerce.



Lynn Little MBA'95 was appointed dean of Midwestern State University's College of Science and Mathematics in Wichita Falls, Texas, effective August 2012. Prior to his recent appointment, he was the dean of the School of Science and Mathematics at Howard Payne University, a private, liberal arts university in Brownwood, Texas. In addition, he was a professor at the UT Southwestern Medical Center, chair of the Department of Medical Laboratory Sciences, and assistant dean for academic affairs.



John C. Ramsey BA'96 has been named one of the 2012 "Top 40 Under 40" attorneys by The National Trial Lawyers. He is a lawyer with Watts, Guerra, Craft, LLP in Houston.



Jerri Hammer MS'97 was elected to the partnership as an equity owner at TravisWolff Independent Advisors and Accountants. She is a member of the American Institute of Certified Public Accountants, Texas Society of Certified Public Accountants, Collaborative Law Institute of Texas, Dallas Estate Planning Council

ALUMNI NOTES

and Dallas Bar Association. She is licensed to practice before the Northern District of Texas.

Husni Khayal BA'99 is a board-certified chiropractor and graduate of Parker University College of Chiropractic. He is head of Premier Health Chiropractic & Wellness in Dallas.

Keri Redford BS'99, MBA'01 is a senior analyst with Integra Realty Resources and was recently selected as a 2012 "Forty Under Forty" by *Fort Worth Business Press*.

2000S ▶

Reena Kuba Shiralkar BS'00 was named by *D Magazine* as one of the best dentists in Dallas in 2011. Reena is a Diplomate of the American Board of Pediatric Dentistry. She works at Children's Dental Centre of Irving and is also a part-time assistant clinical professor at Texas A&M Health Science Center Baylor College of Dentistry.

Robert Brevelle MBA'02 joined Advanced Reconnaissance Corp. (ARC) as the vice president of business development and marketing in March 2012. Prior to joining ARC, Robert was vice president of business development for the intelligence and mission systems business of DRS Defense Solutions. Robert has also held senior and executive level positions at Rockwell Collins, L-3 Communications and Raytheon.



Monena Hall BA'02 joined Virginia Tech University Libraries as the learning commons and assessment librarian in April 2012. Previously she worked as a

children's librarian and assistant branch manager for the Dallas Public Library.

Ben Livingston MS'02 is the chief financial officer and treasurer of EL Fenix Corp.



Sean Hubbard BA'03 recently campaigned to become a member of the U.S. Senate.

Keta Dickerson MPA'04 was appointed by Texas Gov. Rick Perry to the Specialty Courts Advisory Council in March 2012. She is a program manager for Dallas

County Divert Court, a member of the National Association of Drug Court Professionals, secretary of the Texas Association of Drug Court Professionals, and national assistant treasurer and founder of the Dallas Chapter of the National Association of Blacks in Criminal Justice.

Kathryn "Katie" Hensle BA'04 recently joined Texas Tech University as a women's basketball assistant coach. Prior to joining Texas Tech, she coached at John Paul II High School in Plano as well as in the Cypress-Fairbanks Independent School District in Houston.



Terri Maxwell MBA'04 was promoted to senior vice president of sales and marketing at Working Solutions, where she will be leading strategic planning, business development and national sales.

Michael Ramirez BS'04, vice president, commercial real estate lender for OmniAmerican Bank's Real Estate Group, was selected as a 2012 "Forty Under Forty" by *Fort Worth Business Press*.

Winston Edmondson BA'06 ran for mayor of Lewisville, Texas, in May 2012. He is the director of innovation at Social Point Network and host of the Innovation at Work radio show on CNN Radio 1190 AM. This was his second run for the mayor's office.

Annie Garaghty BS'06 received her Doctor of Osteopathic Medicine degree from Philadelphia College of Osteopathic Medicine in Pennsylvania. She is continuing her training in family medicine at Memorial Family Medicine Residency Program in Sugar Land, Texas.



Roy McKay BA'06 joined the Dallas office of Hartline Dacus Barger Dreyer LLP as an associate attorney in 2011.



Jared Green MS'07 is the new East Texas area president at Capital One Bank.

Dirk Lemasters BA'07 was promoted to director of alumni services at Burning Tree Ranch, a long-term residential drug and alcohol treatment program.

Ana Tavares Benhalim BA'08 serves as a program coordinator at The Archer Center for The University of Texas System in Washington, D.C. She also recently married **Basheer Benhalim BA'07**.

Hannah Mills BA'09 was selected to receive one of four scholarships given by Texas Woman's University at the 10th Annual Virginia Chandler Dykes Leadership Award Luncheon. In addition to her studies, Hannah is an aspiring author who is currently working on *Let's Break for Play: The Significance of Integrating Play Within Classroom Environments* and *Ava the Ant—a Children's Book*. She has worked as a preschool teacher and as a volunteer for the Children's Advocacy Center for Denton County.

2010S ▶

Lanre Adeola BA'10 graduated from nine weeks of U.S. Army basic combat training at Fort Jackson, Columbia, S.C.

Richard "Dick" Baldwin PhD'10 was presented with the lifetime service award by Panel & Engineered Lumber International Conference & Expo. He is currently executive vice president and general manager for the Southeastern U.S. division of Wood Resources, LLC.

Tiffany Mitchell BA'10 received the Women's Tennis Most Valuable Player 2011-12 at The University of Texas of the Permian Basin in Odessa. Tiffany is currently pursuing a master's degree in counseling there.

James Tate BS'10 has re-established a North Texas chapter of the Gay, Lesbian and Straight Education Network. He hopes to work with school districts throughout North Texas to implement anti-bullying policies as well as help students create gay-straight alliances in schools that do not have them.

William Baronet MFA'11 is an artist, professor and life/business coach. William exhibits artwork related to the issue of homelessness. He has been buying and collecting cardboard signs from the homeless since 1993. William's work has been featured in a number of group exhibitions, including the 15th Annual "No Dead Artists" at the Jonathan Ferrara Gallery in New Orleans and "INVASIONEN/INVASIONS" at the Galerie Carolyn Heinz in



AROUND THE POOL, AROUND THE WORLD

In May, the UT Dallas ring ceremony took on a new tradition when 50 students dipped their class rings in the pool under the University's iconic trellis, symbolically covering the ring and themselves in UT Dallas pride.

More than 100 friends and family gathered to cheer on the junior, senior and graduate students during the presentation of the rings by President David E. Daniel.

"You will soon be joining the community of over 70,000 UT Dallas alumni," said Daniel. "Your ring provides a tangible and symbolic connection to your University, and to your fellow alumni all around the United States and around the world."

The ceremony, which was first held in 2001, is hosted in May and December by the Office of Development and Alumni Relations.

Hamburg, Germany. He is currently a member of the art collective "In Cooperation with Muscle Nation" and teaches design courses as an adjunct faculty member at Texas Christian University.

Jekabs Bikis PhD'11 was named the new dean of online education at Dallas Baptist University.

Anne Bowes Biomedical Sciences Certificate'11 was awarded Student of the Year for the class of 2015 by Lincoln Memorial University-DeBusk College of Osteopathic Medicine, Tennessee.

Robert Chalwell Jr. MPP'11 recently became the new director of music ministry at First United Methodist Church of Coppell, Texas. He had served as interim director of music ministries since November 2011.

Jok Duop BA'11 became a financial services agent for New York Life in Dallas.

Allison Perricone MAT'11 wed Cory Helms in March 2012 at The Wild Onion Ranch in Austin. Allison is a chemistry lecturer at The University of Texas at Tyler.

Angela Warr MAT'11 recently received the Outstanding New Teacher Award from the North Texas Technology Educators Association. She is a member of the career and technical education department at Nimitz High School in the Irving Independent School District.

Stay in Touch:

Send your news, notes and photos—new babies, weddings, whooshes of all kinds—to alumni@utdallas.edu or to Alumni Notes, UT Dallas Magazine, AD14, 800 West Campbell Road, Richardson, TX 75080-3021.

IN MEMORIAM

Alan B. Thomas BS'76, MS'77, March 18, 2012, Port Angeles, Wash. Thomas enjoyed his career in technology, especially the people he met and the opportunities for international travel. He worked as a consulting analyst for XID, LTD from 2002 until 2012. He was a member of the Port Angeles chapter of the Experimental Aircraft Association, the Aircraft Owners and Pilots Association, and the U.S. Naval Institute. He was also an avid reader and had a special fondness for dogs.

Stephen M. Seay BA'82, MAT'85, April 4, 2012, Dallas. Seay was a longtime faculty member at St. Mark's School of Texas, where he was also an alum. He earned a bachelor's degree in psychology from Stanford University in 1972 and began his teaching career at St. Mark's in 1973. In 1982, he earned a bachelor's in geosciences from UT Dallas and a master of arts in teaching three years later.

Seay taught geology, earth science, astronomy, life science, physics and scientific photography until his retirement in 2002. He served as the chairman of the science department for seven years and was director of the planetarium and observatory. When he retired, the science department chairmanship was renamed the Stephen M. Seay '68 Science Department Chair in his honor. He was also recognized twice by the school with The John H. Murrell Excellence-in-Teaching Award. In 2000, the St. Mark's Alumni Association bestowed upon him its highest honor for a faculty member, the Ralph B. Rogers Alumni Award.

Karolyn K. Kelley MA'89, April 7, 2012, Grand Prairie, Texas. Kelley had a 19-year career with Bank of America, most recently as vice president in trust operations.

David Alan Reese BA'89, March 31, 2012, Dallas. Reese worked in technical support at Verio. He was a voracious reader and loved pop culture and reality television, especially "Big Brother" and "Survivor." As a child, he played on several Lake Highlands Soccer Association teams and was a member of the Solar Soccer Club in the late 1970s. He stopped playing soccer after college, but was a loyal FC Dallas fan and enjoyed going to their games.

Samuel Jones Stevens III BA'93, March 8, 2012, Boerne, Texas. Stevens was a real estate broker and appraiser for more than 30 years. He retired in 2007 and moved with his wife to Boerne where they constructed their dream home.

Kelli Pruet Hundt BA'94, Feb. 6, 2012, Keller, Texas. Hundt worked as a certified respiratory therapist at Medical City and Baylor hospitals in Dallas. Most recently she worked as a manager at Rotech Healthcare Inc. She enjoyed giving to the Angel Tree and The Salvation Army.

Geraldine "Deena" MacDonald Andrus MBA'96, Nov. 22, 2011, Cumru Township, Penn. Andrus was a 1986 graduate of Villanova University where she was an NCAA national level member of the swim team. She worked in sales and product management, most recently for Surgical Specialties in Exeter, Penn. She was also known in the local running community as an accomplished runner, race director and volunteer.

John Lavin BA'00, Teacher Certification'01, Feb. 8, 2012, Willard, Kan. Lavin was a paratrooper in the U.S. Army with the 82nd Airborne Division. He later became a senior English teacher at Ford High School in Quintan, Texas, where he worked until his retirement.

Tony Weathers BS'04, April 14, 2012, Dallas. He worked for Mercedes-Benz USA.

Benjamin Connors BSEE'08, April 22, 2012, Atlanta. Connors was a graduate student and research assistant at Georgia Tech University studying computer and electrical engineering. He received a master's degree in electrical engineering from Georgia Tech in 2011.

Gregory Sheffo MS'12, May 27, 2012, Clearfield, Penn. Sheffo attended the University of Pennsylvania in Philadelphia where he received a bachelor's degree in microbiology. He received his medical degree from the University of Pittsburgh. He completed a residency in pediatrics at Walter Reed Army National Military Medical Center in Washington, D.C., followed by four years working as an Army doctor at Fort McClellan, Ala. He spent the last 15 years as clinic director and pediatrician at the Clearfield Center for Children's Care. Sheffo also served as president of the medical staff of Clearfield Hospital. For the last three years, he served as both pediatrician and chief medical officer of Clearfield Hospital.

Keep Us Informed:

If you learn of the death of a UTD alumnus, faculty, staff or friend, please send any information to alumni@utdallas.edu or to UTDallas Magazine, AD14, 800 West Campbell Road, Richardson, TX 75080-3021.



Philipos Loizou
1965-2012

Dr. Philipos Loizou, a pioneer in the field of hearing and speech enhancement, helped restore partial hearing to thousands of people.

Loizou, a professor of electrical engineering, was an internationally known leader in signal and speech processing, speech perception and cochlear implants—electronic medical devices attached to the inner ear of profoundly deaf people that send sound signals to the brain. His algorithms also helped improve the performance of cochlear implants by programming the devices to operate more effectively in a range of listening conditions.

“He was the first person to develop specific speech enhancement algorithms that directly improve intelligibility—previously believed not to be possible,” said Dr. John Hansen, head of the Department of Electrical Engineering. “More than his research, Philip was a true scholar—always looking to make contributions that would help improve the quality of life of people with hearing loss.”

A Cecil H. and Ida Green Professor in Systems Biology Science, Loizou developed an interface that enables smartphones and personal digital assistants, or PDAs, to process acoustic signals, such as speech, through a microphone worn behind an individual’s ear. It sends the processed signals to electrodes implanted in the inner ear. The interface was approved by the Food and Drug Administration.

He also was the principal investigator on several significant grants and contracts funded by the National Institutes of Health (NIH) and received the NIH Shannon Award in 1998. He was known for mentoring students and helping other faculty members at UT Dallas garner support from the NIH.



Michelle Lyn Sancen
1972-2012

Michelle Lyn Sancen was the multimedia service manager and assistant head of circulation at Eugene McDermott Library.

She joined UT Dallas in 2005 as a library assistant. A year later, she took over multimedia services, which checks out videos, DVDs and laptops. Her duties included supervising stacks maintenance operations at the library.

In addition, Sancen was active in several library committees and served on the University’s Staff Council and its communications committee. She was a Community Emergency Response Team (CERT) member at UT Dallas. She also conducted Spanish-language tours in the library for incoming freshmen.

In 2011, a committee of her peers chose her as one of two recipients of the library’s highest honor—the Ethel Ward-McLemore Award for Library Excellence.

“Michelle will be sorely missed at McDermott Library,” said Dr. Ellen Safley, director of libraries at UT Dallas. “After starting her family, her next goal was to pursue a library degree. She was very dedicated, enthusiastic and customer service oriented. She worked on the Staff Council because she wanted to make this a better place.”



Robert E. Hewlett Jr.
1931-2012

Robert Hewlett Jr. was an executive committee member of the University’s former alumni association and the association’s historian, a position in which he served the University well and with great pride by maintaining meeting minutes and memorabilia dating back to the early days of the association.

Hewlett spent more than 30 years in the natural gas and petroleum industry. He retired in 1989 from Placid Oil Company and also worked as a senior consultant with Juno-Grimm & Associates and as an engineering consultant with Bob Short & Associates.

After retiring, he also served as president and treasurer of the Hunt Oil Retirees group. Hewlett served in the U.S. Air Force during the Korean War as a special agent for the Office of Special Investigations.

Hewlett received a bachelor’s degree in business and public administration in 1982 from UT Dallas. He was recognized by the Naveen Jindal School of Management in 2001 as a Distinguished Alumnus for his service as a mentor for the Cohort MBA program. In 2009, the University honored him with the Green and Orange Award for Alumni Service for his exceptional volunteer support to his alma mater. Loyal supporters of UT Dallas, Hewlett and his wife, Gloria, recently established the first Opportunity Fund for the Jindal School of Management.



Burl Osborne
1937-2012

Burl Osborne, the former executive editor and publisher of *The Dallas Morning News*, was a member of the UT Dallas Center for Vital Longevity (CVL) advisory council.

“Burl was an esteemed member of the center’s Advisory Council,” said Dr. Denise Park, CVL co-director. “His dedication to his profession, his integrity and his leadership set an example for all of us.”

Osborne led *The News* to national prominence and a string of Pulitzer Prizes during 21 years at the newspaper. He devoted his adult life to journalism in positions from reporter to managing editor at The Associated Press and from executive editor to publisher at *The News*. He was chairman of the AP board after leaving *The News* in 2001.

Get Your Alumni Gear



The UT Dallas Ring: Commemorate the experiences, knowledge and lasting memories you gained at the University with the official UT Dallas ring, which was established in 2001.



Your Brick on Legacy Lane: Make a lasting impression on campus with a personalized brick on Legacy Lane, a beautiful tree-lined pathway along the creek behind the Eugene McDermott Library.



Spirit items in the University Bookstore: Display your diploma in a custom frame. Cozy up with a mug of cocoa and a UT Dallas blanket. Catch a game in your favorite comfy alumni sweatshirt. The bookstore has all these items and more so that you can show off your Comet Pride.

For these and more great alumni items, visit alumni.utdallas.edu/gear.



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begins by providing a sound background in these sciences as well as the clinical application of this knowledge. The faculty members are widely known as leaders in evidence-based practice and the program has a long-standing tradition of educating new researchers in the field."

A NEW APPROACH

Expanding technology also plays a major part in interdisciplinary research on tinnitus, or "ringing in the ears." For those who are affected, the problem is not a lack of hearing or an inability to express themselves. Their challenge is hearing too much or, rather, hearing the wrong kinds of sounds.

A team led by neuroscientist Dr. Michael Kilgard, professor in BBS and director of the Cortical Plasticity



Dr. Michael Kilgard

Laboratory, will soon help launch U.S. clinical trials for a potential treatment for tinnitus.

UT Dallas' Texas Biomedical Device Center, which was created earlier this year to support University researchers from multiple fields working

toward new biomedical technology and therapies, has agreed to partner with neuroscience-based medical device company MicroTransponder to conduct the clinical trials. Tinnitus, which affects about 50 million Americans, causes mild irritation for some people but is disabling and painful for many others. Nearly 15 million suffer with tinnitus severe enough to warrant medical intervention, according to the American Tinnitus Association. And about 1 million suffer so badly that they cannot lead normal lives.

The condition, for which there is no cure, is also the No. 1 service-related disability for military veterans, with a rate of diagnosis expanding by 15 percent annually. U.S. government estimates say as many as 1.5 million military veterans could receive compensation for tinnitus by 2014, costing more than \$2 billion annually.

Kilgard's approach is designed to eliminate the underlying neural cause of tinnitus. Patients are given vagus nerve stimulation therapy, which pairs listening to specific tones

with mild bursts of electrical stimulation to the vagus nerve in the neck. The stimulation device was developed by MicroTransponder, founded by neuroscience PhD candidate Will Rosellini and sponsored by the University's Institute for Innovation and Entrepreneurship.

In 2011, the first clinical trial in humans took place in Belgium. Ten patients suffering from severe tinnitus underwent vagus nerve stimulation therapy.

"The results of the human trial were highly encouraging," Kilgard said. "We are eager to see if this relatively simple therapy can lead to improvements in the daily lives of many people who suffer from the disabling symptoms of tinnitus. It's also exciting to think about how this therapy, if proven effective in a larger-scale study, might be modified and applied to patients experiencing symptoms of several



University researchers are working with neuroscience-based medical device company MicroTransponder on a potential treatment for tinnitus.

other chronic disorders."

Robert Cooper, a Dallas home appraiser, is eager for new treatment options. He played in rock bands when he was younger, and he blames his current medical issue on too much loud music.

Cooper recently started working with a Callier audiologist, who is combining the magnifying quality of Cooper's hearing aid with sound-masking input, a form of "white noise" to help alleviate the persistent ringing.

"My tinnitus wakes me up two or three times a night and really affects my ability to get enough rest," Cooper said. "If I knew back then what I know now, I would have protected my ears more when I was younger. I just hope someone can fix this soon."

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Nicole Tucker BA'04 has already made her estate plans.

Have you?

It's never too early to think about your legacy and what it can mean to others.

That's why Nicole named UT Dallas as a beneficiary in her will. Her generosity will establish a scholarship for future generations of students.

Learn more about Nicole's legacy and how to create your own at utdallas.plannedgiving.org.

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TECHNOLOGY HELPS AUTISM PATIENTS RELATE

Most people know something about autism, yet few recognize it as a communication disorder. But Autism Spectrum Disorder (ASD) impacts communication, social interaction and learning.

Research centers throughout UT Dallas are looking at ASD, its causes and ways to use technology to help patients. UT Dallas Center for BrainHealth neuroscientists—working with a program developed by graduates of the School of Arts and Humanities' Arts and Technology program—are using virtual reality to help individuals with autism interact more effectively with other people.

Based on everyday scenarios, the virtual experience prompts and reinforces appropriate social perceptions and facial expressions. The computer program employs dynamic face-tracking technology as well as visual and auditory feedback to enhance the brain's response.

BrainHealth researchers track an individual's progress over time in terms of the quality of interactions and the quantity of socialization in the virtual reality setting. Virtual reality environments provide a safe, inviting platform on which to practice social interactions, said Dr. Daniel Krawczyk, an associate professor in BBS who oversees the center's project with Dr. Sandra Bond Chapman, chief director of BrainHealth and the Dee Wylly Distinguished University Chair.



Dr. Daniel Krawczyk

Researchers use electroencephalography, or EEG, and functional magnetic resonance imaging to look at the brain regions involved in navigating social situations. The tests provide a baseline of mental function and a measurement of brain changes following short-term social interactions.

"This is important research because individuals who suffer from autism are impaired in many of the key functions that enable social interactions," Krawczyk said. "This provides a safe environment for them. They feel free to navigate the social world when the stakes are low and they won't be rejected or get negative responses in the virtual reality world. They can then translate the skills they learn to communicate in the real world."

Carly McCullar, 30, graduated from UT Dallas in May with a degree in interdisciplinary studies and the goal of becoming an



Carly McCullar BA'12

elementary school teacher. Diagnosed with ASD several years ago, she knew she needed to enhance her communication skills before heading into the next stage of her adult life.

"I used the Second Life virtual reality platform to experience various social situations such as job interviews, handling a problem with a neighbor and even dating," McCullar said. "It feels real. You know it is an alternate reality, but you feel the same emotions you would feel in the actual situation you are practicing. Because of that, you are able to train responses and handle certain scenarios."

A little more than a month of therapy at BrainHealth enabled her to make new friends and prepare for professional situations.

"I have now made real friends, long-lasting friends whom I know I will maintain relationships with," McCullar said. "When you don't know what friendship is or what it means, it is hard to understand its importance."

Her experience as a student of the university, a research participant and a beneficiary of the work that is under way illustrates the interconnected nature of the University endeavor.

"As communication-related research programs have emerged at UT Dallas, we have had greater opportunities than most academic centers for collaboration across disciplines," said Dr. Bert Moore, dean of BBS. "The growth of technology and the increased role it plays in treatment options has created even further possibility for researchers across UT Dallas and from other institutions to work together to solve communication challenges." **UTD**

HINDSIGHT

Robert Xavier Rodriguez



*UT Dallas orange and green,
Founders' visionary dream,
To inflame the scholar's heart,
Lighting pathways through the dark;
Reaching out from earth to space,
Serving all the human race,
Joined as one in unity,
Alma Mater UTD.*

In a twist worthy of the University's unconventional origins, the music for the school's official anthem—the "UT Dallas Alma Mater"—was written before the lyrics were created. Most often, music and words are created in tandem, or at the very least, with some communication between the composer and the wordsmith.

"We managed to get along for 30 years or so without an alma mater until I was requested to write one. Most school songs seem to have new words put to traditional melodies. I think it's unusual to have new music written," said Robert Xavier Rodriguez, world-renowned composer, UT Dallas aesthetic studies professor and holder of a School of Arts and Humanities Chair in Art and Aesthetic Studies.

"I wrote the music while I was a visiting artist at the American Academy in Rome. I can remember walking through St. Peter's Basilica looking at the wonderful Bernini and Michelangelo sculptures with that tune going through my head. To this day, every time I see a picture of the Vatican, I think of that song.

"The lyrics were added later. I was not involved in the writing or selection of the lyrics. So when I saw them, I was amused to see that the word 'orange' was set to one note. I added an extra note for the extra syllable."

The school song debuted at May commencement in 2004, sung by Sani Mathew BS'06.

Mathew witnessed the creation of the new school song. She served on a student panel that reviewed lyrics submitted for consideration by professional songwriters in a contest organized by the Office of Student Affairs. The panel narrowed the entries to two and presented them to then-UTD President Franklyn Jenifer, who ultimately selected words penned by Texans Bill Dunn and Neely Reynolds.

Rodriguez, whose commissions include works for conductors such as Eduardo Mata, Neville Marriner and Antal Dorati, has been a member of the faculty since 1975. He said the "UT Dallas Alma Mater"—the only school song he has ever written—is a gift of love to the University.



A Whoosh Heard 'round the World



Sisters Anna Markowitz BA'11 and Rachel Markowitz BA'08 do the Comet Whoosh while climbing Mount Toubkal, the highest peak in North Africa. Rachel, a McDermott Scholar, earned the University's first undergraduate Fulbright grant, along with the Critical Language Enhancement Award, which supported her independent research in Morocco after graduation. Since Rachel's grant in 2008, two more Fulbright grants have been awarded to UTD students.

Have photos that show off your personal Comet connection? Send them to alumni@utdallas.edu to be considered for future issues.