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David E. Daniel
President

For more information please contact:
Erik Jonsson School of Engineering & Computer Science
Office of Development & Alumni Relations
t 972-883-5488
utdallas.edu/campaign
Realize the Vision: The Campaign for Tier One and Beyond is about a continuing progression forward and upward. UT Dallas is a newcomer by the standards of most great universities—just five decades have taken this institution from start-up to the exceptional university of today. Imagine what the coming decades will bring, both in challenges and opportunities. The power of your commitment will energize that progression.

The rise of UT Dallas to a Tier One research university can't come too soon for our city and our state. Texas lags behind other states in Tier One universities, as recognized by the Association of American Universities (AAU). California, for example, has nine, while Texas has just three—UT Austin, Texas A&M and Rice. Put another way, Texas has four times the population of Massachusetts, but the same number of AAU members.

We are paying a price for this disparity. Even with today's tremendous academic and research accomplishments at UT Dallas, without a Tier One research university located in Dallas–Fort Worth, outstanding minds are leaving the region, ideas and innovations are being left undiscovered, and billions of dollars in federal research funding are being awarded elsewhere. The need for new ideas and the bright minds that produce them has never been greater—now is our moment to respond, now is our opportunity to propel all of North Texas forward by ensuring a future with a nationally competitive research university.

“Tier One” is shorthand for those few, highly select national research universities that reach the pinnacle of innovation, creativity, scholarship and results. UT Dallas will be among them. But there is no shortcut to getting there—the people, facilities and resources must be in place that equal the talents and aspirations of those who will use them to lead the way.

Join us in supporting the vision for what this University can become.
Our influence is growing, but our mission remains the same. The Jonsson School prepares inquiring, creative minds to engineer a better world.

Our vision for the Jonsson School is simple. We aspire to join the ranks of the world’s top academic and research programs in engineering and computer science.

Technology has made exponential advances since the Jonsson School was founded, and our research has helped fuel this new world. Already, we are recognized for excellence in nano- and micro-electronics, analog engineering, networks and telecommunications, software engineering, computer and intelligent systems, and algorithms and applications. We attract students and faculty with great minds, and we challenge them to turn their grand ideas into knowledge and technology that benefit our city…our country…our world.

Now we are expanding into new areas of excellence—bioengineering, mechanical engineering, and systems engineering and management. Our influence is growing, but our mission remains the same. The Jonsson School prepares inquiring, creative minds to engineer a better world.

With your support, the Erik Jonsson School of Engineering & Computer Science can realize its promising potential as we continue moving toward a very bright future.

Mark W. Spong, PhD
Dean & Lars Magnus Ericsson Chair in Electrical Engineering
In just 25 years, the Erik Jonsson School of Engineering & Computer Science has undergone a meteoric rise, from our founding by visionary executives in the technology industry to today’s position of high-quality, innovative, real-world academic programs and an international reputation. We have harnessed the power of sweeping technological change, motivated students, committed faculty and generous support from both corporate and individual donors to become a vibrant, dynamic school on the leading edge of the nonstop discovery and innovation that is vital in the world of engineering and computer science.

We set high goals, and we achieve even more. The 2012 U.S. News & World Report ranking of graduate engineering programs placed the Jonsson School among the 40 best programs in America’s public universities. Our undergraduate programs are also highly ranked. And our reputation extends to research: entities including the Department of Defense, the National Science Foundation and the Department of Energy award more than $35 million a year in research expenditures to the School, and we have more than doubled our research funding since 2003—and plan to nearly double it again by 2020, topping $60 million.

Research investigations at the School involve such cutting-edge technology as carbon nanotubes, micro-electro-mechanical systems, semiconductor design and manufacturing, wireless networking, bio-implant technology, medical imaging, speech recognition, cybersecurity, organic electronics, materials characterization, next generation wind-energy conversion systems, and physical, chemical, and biosensors.

The engine of education, discovery and results that has been created with your vital support enables bright students to pursue meaningful careers in a future full of challenges and opportunities, taking advantage of novel real-world learning experiences while providing service and expertise to the community.

UTDesign is just one example, giving companies an opportunity to enlist teams of senior engineering and computer science students on industry projects that become the capstone of students’ undergraduate education.

For North Texas, the School’s growth means more highly trained graduates to spur advances in local industry. With total enrollment now topping 3,000 students, the Jonsson School is the largest producer of engineering and computer science graduates in Dallas–Fort Worth. Our graduates increasingly are sought by leading employers like Texas Instruments, Apple, Microsoft, IBM, Cisco, Raytheon and Amazon. Ericsson alone hired more than 100 of our graduates in 2010—more than from any other school in the country.

Our reputation has attracted some of the best and brightest to join our faculty during this period of unprecedented growth. New faculty members have come from top academic programs as well as from private industry and prominent government laboratories. The arc of our progress will continue—fueled by your essential support.
In 2000, the largest gift in the history of UT Dallas, $32 million, was given for the sole purpose of attracting the nation’s brightest and most promising high school graduates to this young, fast-rising institution. The goal may have been bold, but the same could be said of the person who made the gift—Margaret McDermott. And today, following its first decade, the Eugene McDermott Scholars program is beginning to show how powerfully UT Dallas can impact North Texas.

Walter Voit, a student in the 2001 inaugural class of McDermott Scholars, hadn’t even heard of UT Dallas when he first began considering his college choices. He thought he was destined for Carnegie Mellon—and then UT Dallas reached him at his high school in Mount Pleasant, South Carolina. “They asked me to visit, but I definitely wasn’t interested,” Walter says. But he accepted the invitation anyway and was inspired by what he learned: “UT Dallas sold me on the vision of building a family of scholars and on what this University was going to become.”

Following his graduation in 2006 with both undergraduate and graduate degrees in computer science from the Jonsson School, Walter pursued a PhD in materials science at Georgia Tech. His research there led to the creation of his own company, Syzygy Memory Plastics, which uses polymer science to design and manufacture custom plastic products, deformable electronics, and dynamic components to enable ergonomic devices, flexible sensing systems and neural biotechnologies. The company’s first product is formable ear pieces for hearing aids and music players. The technology also allows for more effective ear plugs for job-safety use.

In 2010, the Jonsson School attracted Walter back again, this time as an assistant professor in materials science. “I had offers from other universities, but I came back to Texas because UT Dallas is committed to encouraging innovation and entrepreneurship.” The story of attracting and retaining great minds like Walter doesn’t end there though. He is the oldest of three brothers, and the McDermott Scholars program brought them all here.

Richard Voit had early visions of medical school and completed a UT Dallas biology degree in 2006. Today he is in the MD/PhD program at UT Southwestern and pursuing his interests in infectious diseases and hematology/oncology.

Youngest brother Benedict earned a UT Dallas degree in political science in 2008. During an internship at the Federal Reserve Bank of Dallas, he created a cash flow system that was adopted there and is still being used. He now works for ALM First Financial in Dallas.

Although they are just three graduates among the more than 100 McDermott Scholars to date, the Voit brothers symbolize the Tier One impact UT Dallas can have on North Texas. “My brothers and I could have ended up scattered throughout other parts of the country,” Walter said. “But this one gift from Mrs. McDermott brought us to Texas. Thanks to her and UT Dallas, we all see great futures for ourselves right here.”
The Jonsson School will become one of the top schools of engineering and computer science in the United States and one of the great research engineering schools in the world. Earning our place in this top tier will require significant philanthropic support. Our $40 million campaign goal includes the following major elements to support this transformation:

- Chairs and professorships ............... $15 million
- Graduate fellowships .................... $10 million
- Undergraduate scholarships ............. $5 million
- Facilities and equipment .................. $5 million
- Research and academic programs ....... $5 million

Already, generous gifts are creating significant momentum in our push for the top. For example, longtime benefactor Texas Instruments provided the resources to recruit four brilliant faculty members as new distinguished chairs here over the past three years. Also, Japanese manufacturer JEM contributed to the acquisition of a transmission electron microscope for nanoscale research at the Center for Microscopy—one of the few TEM devices at U.S. research universities.

Recently established scholarships and fellowships are also helping us compete directly with other top schools for great students.
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David E. Daniel
President
The founders of UT Dallas—Eugene McDermott, Erik Jonsson and Cecil Green—shared a vision. They saw the need for a great research university in North Texas, and they set a lofty goal by publicly announcing their confidence that UT Dallas would one day become the “MIT of the Southwest.”

UT Dallas has made remarkable strides since this bold vision was set in motion a half-century ago. This comprehensive campaign—the first in UT Dallas history—will accelerate our progress toward becoming the world-class Tier One research university the founders envisioned for North Texas.
CAMPAIGN PRIORITIES

### SCHOOLS

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<th>School</th>
<th>Goal</th>
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<tbody>
<tr>
<td>Arts &amp; Humanities</td>
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<td>Behavioral &amp; Brain Sciences</td>
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<td>Economic, Political &amp; Policy Sciences</td>
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<td>Jindal School of Management</td>
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<td>JONSSON SCHOOL OF ENGINEERING &amp; COMPUTER SCIENCE</td>
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### MAJOR CENTERS

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<tr>
<td>Ackerman Center for Holocaust Studies</td>
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<td>Asia Center</td>
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<td>Callier Center for Communication Disorders</td>
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<td>Center for BrainHealth</td>
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### MAJOR UNITS

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<tr>
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<tr>
<td>Diversity &amp; Community Engagement</td>
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<td>McDermott Library</td>
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### ALL OTHER GIFTS

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<tr>
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### TOTAL CAMPAIGN GOAL

|$200,000,000
**ENVISION WHAT UT DALLAS CAN BECOME**

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