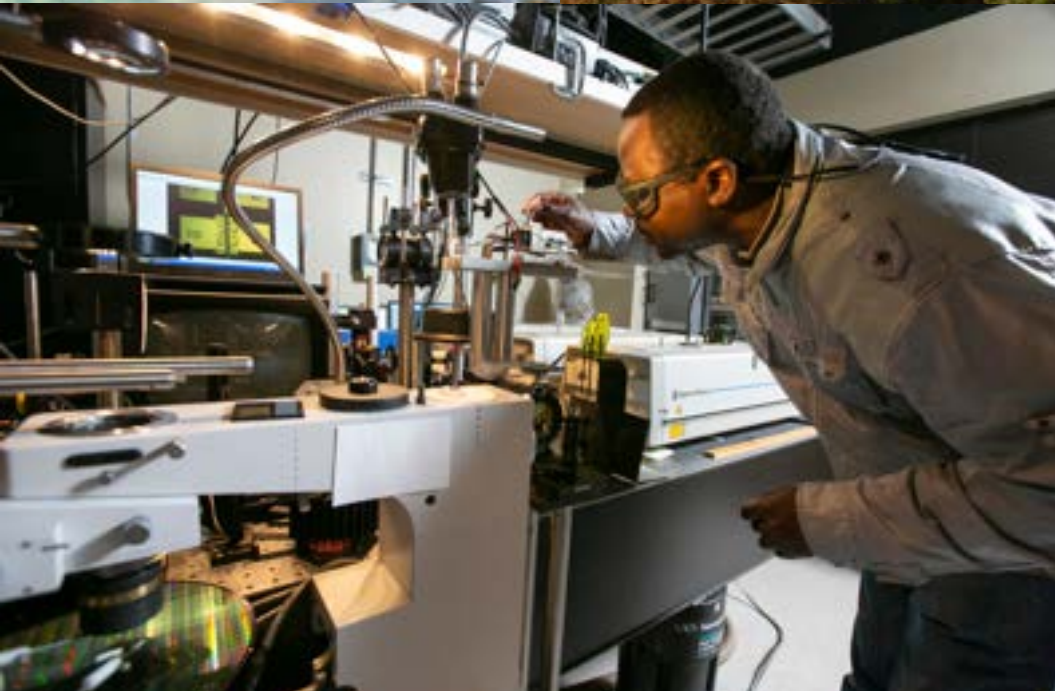


# ENDOWED CHAIR IN SEMICONDUCTOR RESEARCH



**TEXAS STATE  
UNIVERSITY®**





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# MESSAGE FROM LEADERSHIP

Texas State University is at a critical and exciting moment in our research trajectory. We are approaching \$200 million in research expenditures, and we now receive a full share of the Texas University Fund (TUF), a \$4.5 billion (and growing) fund established by the state of Texas to support transformational research at qualifying public institutions. This type of state investment is unprecedented and unmatched, even in states with extremely high research activity. TUF provides an incredible foundation from which to secure federal funding, support long-term projects across many funding cycles, and work at the leading edge of the most impactful research fields.

Beyond this incredible research support, Texas State University is growing. In fall 2026, our enrollment hit a record of over 44,000 students and we expect to reach 50,000 in the near future. Our staff and faculty are growing too, as are our partnerships in Texas and around the world. In 2026, Texas State will join the PAC-12 conference and take the national stage in athletics. A new STEM classroom building is under construction on our San Marcos campus, and the fourth research and classroom building is currently underway on our Round Rock campus. We're adding another 1500+ beds by 2027 with the addition of two new student housing buildings and there is so much more to come. Our campus is already one of the most beautiful in Texas with the San Marcos River running right through the center – it must be seen to be believed.

This year, Texas State launched a strategic hiring initiative in five areas of strength: water, semiconductors, artificial intelligence, digital humanities, and aging/dementia. We have committed \$300 million to research support over the next five years, including the creation of endowed chairs in each area of strength. The Office of the Provost and Executive Vice Chancellor and Division of Research are jointly managing these searches and seek senior scholars and strategic leaders to build on the incredible opportunity at Texas State and reach the next level of transformational research impact. Join us to help lead this transformation with strong support, in a growth environment on a future-focused campus.

Pranesh B. Aswath  
Provost and Executive, Vice President, Academic Affairs

Shreek Mandayam, Vice President, Research



# OUR SEMICONDUCTOR RESEARCH

Texas State University seeks applications for an endowed chair at the rank of Professor to conduct research on any aspect of semiconductor research. Texas State University is a leader in semiconductor research with strengths in ultra-wide bandgap materials and devices, materials growth and epitaxy, nanofabrication and device prototyping, and advanced characterization and analysis, and partners with the Texas Institute of Electronics to expand domestic semiconductor production.

Texas State is also home to the Nanofabrication Research Service Center (NRSC), a 2000 square foot multi-user clean room facility where students and researchers can fabricate films, structures, and devices at the micrometer and nanometer scale. The facility houses a class 10,000 instructional area and class 1000 and 100 research areas. Other facilities include the NSF CREST Center for Ultrawide Bandgap Semiconductor Device Materials and the Epitaxy Research Shared Space.

Texas State University receives a full share of the Texas University Fund (TUF) and plans to invest funds in recruitment and substantial start-up support for strategic hires with established research programs and active external funding in historic and emerging areas of research strength, including in semiconductor research. Texas State University hosted a town hall on November 13 to discuss areas of impact for hiring in semiconductor research and to bring together the dynamic semiconductor research community.

**MORE ABOUT OUR RESEARCH** 



We seek to hire dynamic and innovative scholars with an exceptionally strong research record supported by external funding. An applicant's scholarly focus should complement and enhance the semiconductor scholarship and teaching strengths of Texas State, such as

- Semiconductor materials and quantum technologies
- Device design and architecture
- Simulation and modelling
- Semiconductor manufacturing
- Packaging and integration
- AI applications in chips

## Key Responsibilities:

- Seek external funding and coordinate interdisciplinary grants with both internal and external collaborators.
- Conduct and publish original research on semiconductors.
- Lead interdisciplinary collaboration with faculty across the university.
- Develop and maintain an active research agenda.
- Teach undergraduate and graduate courses on semiconductors and related subjects.
- Mentor and advise students.
- Contribute to the workforce development and development of the semiconductor curriculum.
- Participate in service activities at the department, college, and university levels.

The successful candidate will join the department(s) appropriate to their area of scholarly focus. The successful candidate will be expected to build and lead a community of scholars and students including bringing a research group supported by existing external grants and will have the opportunity to negotiate additional hires in related areas to support their research.



## Required Qualifications

- Ph.D. or terminal degree
- Evidence of a strong scholarly focus on and sustained record of research excellence in semiconductor research
- Evidence of sustained record of excellence in teaching and mentoring students.
- Evidence of a sustained record of obtaining external funding.

## Preferred Qualifications:

- Evidence of activity in organizing conferences and sessions on semiconductors
- Experience in teaching and mentoring both undergraduate and graduate students
- Experience supporting experiential learning for undergraduate and graduate students
- Strong commitment to interdisciplinary collaboration
- Evidence of community engagement for scholarship and teaching

## Application Procedures:

Applications will be considered on a rolling basis. Interested applicants should submit the following materials: 1) a cover letter highlighting scholarly focus, publications, teaching, and external funding; 2) a detailed curriculum vitae; 3) unofficial transcripts; and 4) the names and contact information of three references. Only applications submitted through the Texas State University website will be accepted and considered. For questions, please contact NAME at EMAIL, Search Committee Chair. The selected candidate will be required to provide official transcripts from all degree granting universities.

**APPLY NOW** 



Dr. Pranesh B. Aswath joined Texas State University as Executive Vice President for Academic Affairs and Provost on February 1st of 2024. He is a Fellow of National Academy of Inventors, American Society of Materials and Society of Tribology and Lubrication Engineers. He is an accomplished scholar with over 150 journal publications and has graduated over 20 Ph.D. and 40 MS-Thesis students.

At Texas State University, in addition to direct oversight of the Division of Academic Affairs, Dr. Aswath's sphere of influence includes the Office of Research, TXST-Round Rock, Enrollment Management, Financial Aid, Student Success and Global Engagement. He works closely with President Kelly Damphousse and Executive Vice President for Operations and CFO Eric Algoe in executing the mission of the university.



**Dr. Pranesh B Aswath**

**EXECUTIVE VICE PRESIDENT  
& PROVOST  
FOR ACADEMIC AFFAIRS**

Texas State University has over 44,000 students with 800 tenure-track faculty members, 550 full-time non-tenure line faculty members and 600 adjunct faculty members. It is one of the largest universities in Texas and welcomed more than 9300 freshman students in Fall 2025. Texas State is on track to attain Carnegie R1 status by 2027 and continues to grow research expenditures with more than \$180 million in 2024. It is an exciting time to join this growing academic enterprise.

Visit Texas State University's Provost's webpage: <https://www.provost.txst.edu/>





## TXST's Strategic Vision

In 2023 we launched Hopes & Aspirations High, an ambitious vision with five bold strategic imperatives — elevate student success, Run to R1, increase enrollment, grow the Round Rock Campus, and become an employer of choice. And, we have made tremendous progress in positioning ourselves to achieve this vision in a very short time.

## Elevate Student Success

Student success remains at the heart of everything we do at Texas State University. Improving student success metrics is a top pillar of the Hopes & Aspirations High vision for TXST's future.

## Run to R1

Texas State University is a national research university on the path to achieve the R1 Carnegie classification. The process will include earning access to the state's National Research University Fund.

## Increase Recruitment and Enrollment

President Damphousse created the Division of TXST Global to implement strategies to increase enrollment among international, transfer, master's and online students.

## Becoming an Employer of Choice

A critical goal of Hopes & Aspirations High is to become an employer of preference for faculty and staff.



**DR. KELLY DAMPHOUSSE**  
**PRESIDENT**

"When we launched the Hopes & Aspirations High vision for TXST's future in 2023, who could have imagined how much we would accomplish toward our goals to reach R1 classification by 2027, enhance student success, increase enrollment, grow the Round Rock Campus, and become an employer of preference? However, the "why" behind this vision is and always has been clear and simple — our current and future students."

— President Kelly Damphousse

[LEARN MORE HERE >>>](#)



# THE LEGACY OF TOMORROW

Offering 99 bachelor's, 91 master's and specialists, and 16 doctoral degree programs through the following colleges: Applied Arts, McCoy College of Business, Education, Fine Arts and Communication, Health Professions, Liberal Arts, Science and Engineering, The Graduate College and Honors College.

The university's students are diverse, closely reflecting the demographics of the State of Texas. TXST was designated a Hispanic Serving Institution (HSI) in 2011, earned the Seal of Excelencia in 2022, and has the 14th largest Hispanic enrollment among public universities in the U.S. TXST has long served a significant number of first-generation and Pell-eligible students.



From the beginning, creating a better tomorrow has been our mission. Through decades, we've expanded our mission, developed new programs, and broken new ground. Today, we've grown in ways our founders could never have imagined, and we're endlessly proud of what our Bobcat family has achieved. As we look to the future, we know the work we do today will shape what is next.

## WE'VE GOT YOU COVERED

At our university, we recognize that faculty and staff serve as the building blocks to the foundation of our work with students. Texas State is proud of our competitive benefits from health plans, wellness leave, life insurance and retirement programs provided to keep our Bobcats healthy and happy.

By joining Texas State University, employees gain access to work in one of the best public universities in the country and the opportunity to live in one of America's most beautiful towns. All employees have access to our competitive benefits package on day one of their employment at Texas State.

## FEATURED BENEFITS >>>





Applications, nominations, and inquiries are invited.

Applications should include the following as separate documents:

1) a cover letter highlighting scholarly focus, publications, teaching, and external funding; 2) a detailed curriculum vitae; 3) unofficial transcripts; and 4) the names and contact information of three references.

Application materials should be submitted through the university's employment opportunities website: <https://jobs.hr.txstate.edu/postings/55783>

Nominations and inquiries can be directed to:  
Talent@txstate.edu

All inquiries, applications, and nominations will be held in the highest confidence.



[TXST.EDU](https://www.txstate.edu)