



**ERIK JONSSON SCHOOL OF ENGINEERING  
AND COMPUTER SCIENCE**  
**Department of Materials Science and Engineering**

800 WEST CAMPBELL ROAD RL10 RICHARDSON, TEXAS 75080 972-883-5751

[www.utdallas.edu](http://www.utdallas.edu)

**Tenure Track Assistant Professor in Materials Science and Engineering**

**Position Description**

The Erik Jonsson School of Engineering and Computer Science at The University of Texas at Dallas invites applications for a faculty position at the Assistant Professor level in the areas of electronic materials and advanced semiconductor devices. Areas of research expertise include advanced micro- and nanoelectronics, CMOS extension and beyond CMOS technology, power devices, 3D integration and advanced packaging, thin film growth, semiconductor process development, and materials characterization for semiconductor devices. The candidate will be expected to build an active research program with external funding. Qualified candidates must also have a strong commitment to undergraduate and graduate education, and contribute to services at the Department, Engineering School, or University level.

**Qualifications**

Candidates must have a PhD or equivalent and demonstrate their commitment to excellence in teaching, research, and service, which includes a strong commitment to principles of diversity, equity, and inclusion. All candidates are expected to work effectively in a highly collaborative, engaging, and dynamic environment comprised of individuals of diverse backgrounds, skills, and perspectives. The appointment commences in fall 2023. A doctoral degree is required prior to joining; those with ABD (all but dissertation) status will be considered at the application/interviewing stage.

**The Department of Materials Science and Engineering**

Located in the 4<sup>th</sup> largest metropolitan area in the US, The University of Texas at Dallas is a young, growing research institution on the cutting edge of science, technology, medicine, business, and arts. Since its conception by Texas Instruments' founders McDermott, Jonsson, and Green, the University's teaching mission has continuously expanded, its external research funding has nearly doubled in recent years, and the University has established itself as a national leader in research. A facility of particular relevance for the faculty position is the \$85 million landmark Natural Science and Engineering Research Laboratory (NSERL), which hosts a fully furnished clean room. The Materials Science and Engineering Department at UT Dallas has 17 faculty members and approximately 80 graduate students and offers MS and PhD degrees in Materials Science and Engineering.

**Application Instructions**

Applicants should upload the following via the [online application](#):

- cover letter and full curriculum vitae summarizing their interests and their qualifications for the position, including past and/or anticipated future efforts to advance diversity, equity and inclusion;



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- statement of teaching philosophy describing (at a minimum) their conceptualizations of teaching and learning, teaching and assessment methods, and how their teaching philosophy and practices foster (or will foster) equitable and inclusive learning environments;
- statement of research interests describing (at a minimum) past, present, and future research and how they have fostered (or will foster) equitable and inclusive research environments;
- a writing/publication sample (optional); and
- full contact information for at least three academic or professional references.

Reviews will commence as completed applications are received and will continue until the position is filled or the search is closed on March 31, 2023. Priority will be given to completed applications received by November 30, 2022. For further information please contact [msearch@utdallas.edu](mailto:msearch@utdallas.edu).

### **The University and Community**

Rich with visual and performing arts venues, museum districts, professional and semi-professional athletics teams, botanical gardens, accessible trails and so much more, the Dallas-Fort Worth (DFW) metroplex has something for everyone to explore. UT Dallas partners with regional higher education institutions and school districts and with [the Richardson Innovation Quarter](#) (Richardson IQ), a major hub for innovation, entrepreneurship and educational activities.

UT Dallas is committed to graduating well-rounded members of the global community whose education has prepared them for rewarding lives and productive careers in a constantly changing world. A diversity of people, ideas and perspectives is crucial to our vision and mission. UT Dallas is a place where members of the community from all backgrounds are welcomed, treated fairly, and encouraged in their pursuit of excellence.

UT Dallas is consistently ranked among the “Best of the Best Colleges” for LGBTQ Inclusion by Campus Pride. The [Office of Diversity, Equity and Inclusion](#) hosts a variety of programs and initiatives to cultivate a culture of equity and belonging for all members of the campus community. “LilyPad” lactation facilities are located throughout campus. The University currently supports several Employee Resource Groups (ERGs) that are communities of faculty and staff from various identities along with advocates and allies (e.g., Black Faculty and Staff Alliance, Universal Access ERG, Military and Veteran ERG).

### **Equal Employment Opportunity/Affirmative Action**

The University of Texas at Dallas is committed to providing an educational, living and working environment that is welcoming, respectful and inclusive of all members of the university community. The University [prohibits unlawful discrimination](#) against a person because of their race, color, religion, sex (including pregnancy), sexual orientation, gender identity, gender expression, national origin, age, disability, genetic information, or veteran status.



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The University of Texas at Dallas is an [equal opportunity/affirmative action](#) university.