Open Rank (Biomedical and Chemical Engineering) College of Engineering and Integrated Design
The University of Texas at San Antonio

The Department of Biomedical Engineering and Chemical Engineering in the Klesse College of Engineering and Integrated Design (KCEID) at the University of Texas at San Antonio (UTSA) is seeking applications for a full-time, open rank position in the field of Electrochemistry and Electrocatalysis. The anticipated start date is August 2023. We invite applicants wishing to establish an internationally recognized and externally funded research program in the broadly defined area of electrochemistry and electrocatalysis that complements and synergizes with existing research strengths in analytical and physical chemistry and materials science and engineering. The most competitive candidates will have experience in electrochemical energy conversion (e.g., fuel cells, electrolyzers, and photoelectrochemical systems, across the operating temperature spectrum) and storage (e.g., lithium and beyond-lithium ion secondary batteries, supercapacitors and other electrochemical energy storage systems, across the operating temperature spectrum), electrocatalysis, nanostructured electrochemical interfaces, and enabling electrochemical science and technology. This position is part of a mini-cluster hire between the Department of Chemistry in the College of Sciences (COS) and the Department of Biomedical and Chemical Engineering in the Klesse College of Engineering and Integrative Design (KCEID). The goal is to foster collaborative and transdisciplinary research to understand and confront innovative challenges in electrochemical or photochemical processes for the sustainable production of next-generation clean energy technologies, fuels from renewable sources, high-energy chemicals, and capture of greenhouse gases. This targeted mini-cluster hire will build on and leverage our established research portfolio, propelling UTSA's strategic goal to build research excellence in energy and manufacturing. The selected candidate is expected to build their own unique program of research, as well as to collaborate with other hires in this cluster and with colleagues in their home department, college, and other colleges.

UTSA is a Carnegie R1, urban-serving, Hispanic Serving Institution (HSI) deeply committed to student success and academic excellence including growing doctoral graduation. The UTSA faculty enjoy fruitful collaborations with colleagues at our partnering institutions here in San Antonio including UT Health San Antonio (UTHSA), Southwest Research Institute (SwRI), and Texas Biomedical Research Institute (TBRI). In addition, UTSA's recent classification as a Carnegie R1 institution places it among the top 4% of research institutions in the nation and with 18% of faculty who identify as Hispanic/Latino, UTSA ranks 2nd among all 20 Hispanic Serving Research Universities (HSRUs) for diverse faculty. Strategic hiring in key areas is fundamental to our future as outlined by President Eighmy's Vision and Strategic Plan for UTSA. To accelerate our progress towards this compelling vision, UTSA has a Strategic Faculty Hiring Initiative, including the Dual Career Academic Partners Hiring Program and Accelerating Faculty Diversity Hiring Program which will continue to catalyze efforts to recruit world-class faculty and attract the most talented students to campus in the foreseeable future.

The successful candidate is expected to contribute and expand collaborations with faculty in COS and KCEID and the opportunity for a joint appointment will be considered based on the candidate's qualifications. The Department of Biomedical Engineering and Chemical Engineering is dedicated to producing the next generation of forward-thinking, highly trained professionals and leaders by providing an inclusive environment that ensures that all students receive the encouragement, assistance, and superior educational experience that they will need to succeed in the chemical sciences.

The Department of Chemistry (https://www.utsa.edu/sciences/chemistry/) and Department of Biomedical and Chemical Engineering (https://ceid.utsa.edu/bmce/) reside on UTSA's Main Campus,

located just a few miles northwest of beautiful and historic downtown San Antonio. The City of San Antonio, already the seventh-largest city by population in the United States, expects to add 1.1 million residents over the next 25 years, making it one of the fastest growing large cities in the nation. UTSA is one of thirteen institutions within the larger University of Texas System, the second largest public university system in the United States. In 2017, UTSA President Taylor Eighmy launched a Strategic Plan and Campus Master Plan that commits the university to ten-year growth targets of 45,000 students and 2,000 faculty. In 2022, UTSA was named by Forbes as one of the top 5 employers to work for in the state of Texas. Within this dynamic urban and academic setting, the new faculty member will help further establish the Department of Chemistry as a leader in educating and training the next generation of chemical scientists.

Required Qualifications – Qualified applicants must have a Ph.D. degree in Chemistry, Chemical Engineering, or a related field at the time of application with a strong track record of electrochemical research and ability to teach classes at both the undergraduate and graduate level. Applicants must demonstrate an ability and desire to work collegially with faculty from diverse cultural backgrounds, as well as demonstrate an ability to work with, and be sensitive to, the educational needs of students from a diverse urban population.

Preferred Qualifications – The preferred applicants will have a demonstrated expertise in one or more of the following areas: electrochemical energy conversion and storage, electrocatalysis, and nanostructured electrochemical interfaces. Tenured Associate and Full Professors will be considered in all areas of electrochemical engineering and electrochemistry. Tenure is contingent upon Board of Regents approval. For candidates being considered for tenure-track Assistant Professor rank, at least one year of post-doctoral training is preferred.

Applicant Instructions – Applicants should send (1) a cover letter specifying the position of along with a detailed curriculum vitae (including all academic and professional experiences, listing of publications, and accomplishments), (2) a statement of planned research activities (5-page limit), (3) a teaching statement (1-page limit), and (4) contact information for at least three (3) professional references. The research and teaching statements must include an intertwined discussion on the role that diversity and inclusion play in an academic environment. Review of completed applications will begin immediately and will continue until position is filled, with priority being given to applicants who submit completed packets by November 14, 2022. Applications received after that date will be reviewed until the position is filled. Incomplete applications will not be reviewed.

To apply, access the following: https://bit.ly/3Ml8RJr

More information about the Department of Chemistry and Department of Biomedical Engineering and Chemical Engineering can be found at https://www.utsa.edu/sciences/chemistry/ and https://ceid.utsa.edu/bmce/. In addition, questions may be directed to the Search Committee Co-Chairs, Drs. Schanze (kirk.schanze@utsa.edu) and Gorski (waldemar.gorski@utsa.edu).

As an equal employment opportunity and affirmative action employer, it is the policy of The University of Texas at San Antonio to promote and ensure equal employment opportunity for all individuals regardless of race, color, religion, sex, gender identity, sexual orientation, national origin, age, disability or genetic information, and veteran status. The University is committed to the Affirmative Action Program in compliance with all government requirements to ensure nondiscrimination. Women,

minorities, people with disabilities and veterans are encouraged to apply. UTSA campuses are accessible to persons with disabilities.