

## Assistant Professor- Computational Physics

### About The University of Texas at El Paso:

ABOUT THE DEPARTMENT: The Department of Physics at UTEP has rapidly growing research programs in experimental, computational, and theoretical physics. New research funding secured by Physics faculty in the last three years amounts to \$7.3 M, supporting efforts in diverse fields and interdisciplinary efforts linking Physics with Chemistry, Biology and Mechanical Engineering. The department has access to state-of-the-art experimental facilities for optical, microscopic, and structural materials characterizations, as well as outstanding computational capabilities. The Physics faculty also contributes to interdisciplinary Ph.D. programs in Materials Science and Engineering, Environmental Science and Engineering, Computational Science, and Biomedical Engineering.

ABOUT UTEP AND EL PASO: The University of Texas at El Paso is an emerging national research university at the heart of the U.S.-Mexico border region committed to the ideals of access and excellence. UTEP enrolls more than 23,000 students - about 80 percent of them Hispanic - and is the only doctoral research university in the nation with a majority Mexican-American student body.

The city's border location makes it an ideal venue for academic programs and research studies on topics of national interest, including bilingual education/language acquisition, border security and immigration, environmental sustainability and infrastructure, health disparities, and international trade and commerce.

The region's center for intellectual capital, UTEP has awarded more than 119,000 degrees since its founding in 1914. UTEP is one of the major economic engines in the Paso del Norte region, adding \$1.4 billion to the local economy annually and creating an estimated 26,499 new jobs, according to a January 2015 report by Economic Modeling Specialists International based on fiscal year 2013 data.

El Paso's active arts and culture community features the state's longest running symphony orchestra, a nationally recognized chamber music festival, art galleries, museums, and a full schedule of seasonal events and festivals. UTEP adds to the arts and entertainment scene with an award-winning dinner theater, music and dance productions, contemporary and student art galleries, and a natural history museum.

For sports fans, the UTEP Miners offer exciting Division I college athletics at Sun Bowl Stadium, the Don Haskins Center, Kidd Field, University Field and the Helen of Troy Softball Complex. Southwest University Park located in lively downtown El Paso is home to the El Paso Chihuahuas, the San Diego Padres AAA baseball team.

### Job Description:

The Department of Physics at The University of Texas at El Paso (UTEP) invites applications for a tenure-track Assistant Professor position in computational physics. Preferred research areas include but are not limited to biophysics, cell biology, biomedical sciences, and materials science. Outstanding candidates in other related areas will also be considered. The successful candidate is expected to establish an independent, externally funded research program; work

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Department:	Physics
Locations:	El Paso, TX
Posted:	Sep 27, '16
Type:	Full-time
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closely with the Border Biomedical Research Center at UTEP; mentor students and teach both undergraduate and graduate level courses in Physics; and engage in outreach and service activities.

**Requirements:**

Applicants should have a Ph.D. in Physics or a closely related discipline, postdoctoral experience, a strong record of research accomplishments, teaching experience at least at the Teaching Assistant level, and strong verbal and written communication skills.

**Additional Information:**

Final decision to hire is dependent on availability of funds.

In keeping with its Access and Excellence mission, the University of Texas at El Paso is committed to an open, diverse, and inclusive learning and working environment that honors the talents, respects the differences, and nurtures the growth and development of all.

The University of Texas at El Paso is an Equal Opportunity/Affirmative Action employer. The University does not discriminate on the basis of race, color, national origin, sex, religion, age, disability, genetic information, veteran status, sexual orientation or gender identity in employment or the provision of services.

For accommodation information for employees and applicants with disabilities, please contact UTEP's Equal Opportunity Office at 915-747-5662.

**Application Instructions:**

Interested candidates must submit a letter of interest, curriculum vitae, statement of research interests, description of teaching philosophy, and contact information for at least three references.

Review of applications will begin immediately and will continue until the position is filled.

## Assistant Professor- Experimental Biomaterials

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ABOUT UTEP AND EL PASO: Located on the culturally vibrant U.S.-Mexico border, The University of Texas at El Paso is an emerging national research university with more than 23,000 students. The University's rapidly growing research portfolio in the sciences, engineering, health fields, and other areas brings in more than \$89 million per year, ranking UTEP fourth in federal research expenditures among the public universities in Texas. El Paso is a highly livable, bicultural community of almost 700,000 people, which offers affordable homes and attractive neighborhoods. It is the safest large city in the United States. Shielded by mountains on three sides, El Paso experiences more than 300 days of sunshine annually, and residents enjoy outdoor activities year-round. The city of El Paso is adjacent to both the state of New Mexico and the country of Mexico, making it a leading area for cultural diversity and border health research. Comprising 248 square miles, El Paso is the sixth largest city in Texas and 19th largest city in the United States. El Paso's active arts and culture community features the state's longest running symphony orchestra, a nationally recognized chamber music festival, art galleries, history museums, and a full schedule of seasonal festivals and events. UTEP adds to the arts scene with an award-winning dinner theater, music and dance productions, contemporary and student art galleries, and a natural history museum. For sports fans, the UTEP Miners offer exciting Division I college athletics at Sun Bowl Stadium, the Don Haskins Center, and Kidd Field.

### Job Description:

The Department of Physics at The University of Texas at El Paso (UTEP) invites applications for a tenure-track Assistant Professor position in Experimental Biomaterials beginning August 2017. We seek candidates with experience in (a) the synthesis of inorganic materials (including nanomaterials) capable of interacting with biomolecules and other biological systems and (b) the study of these interactions and their effects on the functionality of the system. In addition, preference will be given to applicants whose research has potential for applications in biomedicine. Outstanding candidates in other areas of biomaterials will be considered. The selected candidate is expected to develop and maintain an independent, externally funded on-campus research program involving students; work closely with the Border

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Biomedical Research Center at UTEP; teach at both undergraduate and graduate levels; perform service to the Department, College and University; and engage in outreach activities.

**Requirements:**

Applicants should have a Ph.D. in Physics or a closely related discipline, postdoctoral experience, a strong record of research accomplishments, teaching experience at least at the Teaching Assistant level, and strong verbal and written communication skills.

**Additional Information:**

Final decision to hire is dependent on availability of funds.

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