



California State University, Fresno

College of Science and Mathematics

Physics

Vacancy # 13359

<http://www.fresnostate.edu/csm/>

Computational Physics Assistant Professor

California State University, Fresno is an engaged University. We focus on broadening students' intellectual horizons, fostering lifelong learning skills, developing the leaders of tomorrow, promoting community involvement, and instilling an appreciation of world cultures. We nurture cultural competence by celebrating the rich diversity of the campus community and welcoming the participation of all. Members of the University community are expected to work effectively with faculty, staff and students from diverse ethnic, cultural and socioeconomic backgrounds. For information on the University's commitment and dedication to creating a university known for its integrity, civility, equity, respect and ethical behavior, please visit: <http://www.fresnostate.edu/academics/diversity>

- Available for Academic Year: 2018/2019.
- Fresno State has been recognized as a Hispanic-Serving Institution (HSI); an Asian American/Native American/Pacific Islander-Serving Institution (AANAPISI); and has been designated to the Community Engagement Classification by the Carnegie Foundation for the Advancement of Teaching.
- Faculty members gain a clear path to tenure through the University's Probationary Plan Process.
- Salary placement depends upon academic preparation and professional experience.
- California State University, Fresno is a vibrant and growing campus. When necessary, the University may decide to make more than one faculty appointment from a single search.

Position Summary:

The Department of Physics in the College of Science and Mathematics at California State University, Fresno is accepting applications for a tenure-track faculty position in computational physics at the Assistant Professor rank with a Fall 2018 start date. Appointment at a higher rank is possible, depending on the applicant's qualifications and experience.

The new faculty member will complement our undergraduate and graduate programs by offering courses in both scientific programming and computer techniques in physics. The candidate will also develop and offer a statistical mechanics course to our graduate and/or undergraduate students.

The successful candidate will teach other undergraduate and graduate physics courses, including large enrollment general physics courses, depending on department needs and candidate expertise. The successful candidate is expected to develop an externally funded research program in computational physics that will engage both undergraduate and Master's degree students. The successful candidate will be expected to work cooperatively with faculty and staff in the department, college and university. An openness to potential interdisciplinary collaboration within and outside the college will also be considered a plus.

Overview:

The Department of Physics has ten tenured/tenure-track faculty members dedicated to teaching excellence, and active research programs in condensed matter, high energy physics, gravitation/cosmology and field theory, astronomy and astrophysics, and medical physics. The Department operates the Downing Planetarium and the adjacent Downing Planetarium Museum, and we have a highly successful physics outreach program. Fresno State is the center of the CSU Nuclear and Particle Physics Consortium (NUPAC) consisting of 17 CSU campuses and, since 2015, the home institution of the CSU ATLAS program.

Required Education:

An earned doctorate (Ph.D.) in physics is required for appointment to a tenure track position. Expertise in computational physics is required.

Required Experience:

Candidates are expected to demonstrate a commitment to or potential for teaching excellence and scholarly activity at the university level. The successful candidate must have the ability to work effectively with faculty, staff and students from diverse ethnic, cultural, and socioeconomic backgrounds. We seek a person with demonstrated excellence and interest in the undergraduate experience. The Fresno State Department of Physics program website is <http://www.fresnostate.edu/csm/physics/>

To be considered for the Associate Professor rank, the candidate must also demonstrate substantial evidence of excellence in teaching at the undergraduate level and have an established record of research and scholarly publication.

Preferred Qualifications:

Preference will be given to applicants with additional expertise in condensed matter or high-energy physics and postdoctoral experience.

Application Procedures:

All application materials (except letters of reference) should be submitted via the online site jobs.fresnostate.edu. Application materials include: a cover letter addressing qualifications and experience, a curriculum vitae, and contact information for three references. Finalists will be required to submit three letters of recommendation and official transcripts to the search committee. Review of applications will begin December 11, 2017, and will continue until the position is filled.

Any correspondence should be sent to:
Department of Physics Search Committee
C/O Ms. Tiffany Pawlowski
2345 E San Ramon Ave M/S MH37
Fresno, CA 93740

Phone: (559) 278-2371 Email: tpawlowski@mail.fresnostate.edu

Other Requirements:

In compliance with the Annual Security Report & Fire Safety Report of Campus Security Policy and Campus Crime Statistics Act, California State University, Fresno has made crime-reporting statistics available to applicants, students, and employees on-line at <http://www.fresnostate.edu/police/clery/index.shtml>. Print copies are available by request from the Campus Police Department.

A background check (including criminal records check) must be completed satisfactorily for this position. An offer of employment may be withdrawn or employment may be terminated based upon the results of the background investigation.

The person holding this position is considered a "mandated reporter" under the California Child Abuse and Neglect Reporting Act and is required to comply with the requirements set forth in CSU Executive Order 1083 Revised July 21, 2017 as a condition of employment. You can obtain a copy of this Executive order by accessing the following web site: <http://www.calstate.edu/eo/EO-1083.html>.

Equal Employment Opportunity:

California State University, Fresno is an Affirmative Action/Equal Opportunity Employer. We consider qualified applicants for employment without regard to race, religion, color, national origin, ancestry, age, sex, gender, gender identity, gender expression, sexual orientation, genetic information, medical condition, disability, marital status, or protected veteran status.