The Department of Applied Mathematics and Statistics (AMS) at the University of California, Santa Cruz (UCSC) invites applications for a tenure-track position in Applied Mathematics with a specialty in High Performance Computing (HPC) at the Assistant Professor level, based on a 9 month academic year. We seek outstanding applicants whose work begins with important problems in science or engineering and features the development, use and analysis of mathematical models with a strong emphasis on efficient techniques for the utilization of cutting-edge supercomputing. We seek colleagues who will interact in productive ways with the faculty in our department, as well as with other researchers in the wider Baskin School of Engineering and indeed across the whole UCSC campus. Applicants should be able to contribute to many varied research areas through their expertise in HPC.

The successful candidate will be expected to teach, mentor and advise students at the graduate and undergraduate level individually and in the classroom; contribute significantly to graduate education; conduct research in the area of their choice with an emphasis on the use of High Performance Computing; develop externally funded research programs; and perform university and professional service. Of particular interest are the possibilities to strengthen the department’s presence in Silicon Valley, by seeking collaborations with institutions and companies in the Valley and establishing instructional programs for professional development. The selected candidate must be able to work with students, faculty and staff from a wide range of social and cultural backgrounds. We are especially interested in candidates who can contribute to the diversity and excellence of the academic community.

AMS is an applied department within the Baskin School of Engineering, which is continuing an exciting growth phase. Having started with three faculty in 2001, AMS currently has twelve faculty, five in applied mathematics and seven in statistics. Our graduate program currently has about 50 students. Research and instruction are supported by excellent computing facilities and state-of-the-art laboratories. There are strong opportunities to collaborate with colleagues in the other departments in the Baskin School of Engineering, including Biomolecular Engineering, Computer Science, Computer Engineering, Electrical Engineering, and Technology Management. Opportunities for collaboration also exist with outstanding colleagues in the departments of Astronomy and Astrophysics, Chemistry and Biochemistry, Earth and Planetary Sciences, Ecology and Evolutionary Biology, Economics, Mathematics, Molecular, Cell and Developmental Biology, Ocean Sciences, and Physics. More widely, our campus offers a fertile environment for scientific research in physical, biological and social sciences. Off-campus opportunities for collaboration exist with outstanding investigators at the UCSC Affiliated Research Center (UARC) at NASA Ames, Livermore and Los Alamos National Laboratories, the USGS and National Marine Fisheries Service (in Santa Cruz), and the National Center for Atmospheric Research (in Colorado), and possibilities exist for collaborations with a broad range of excellent researchers in Silicon Valley and beyond.

**RANK:** Assistant Professor

**SALARY:** Commensurate with qualifications and experience

**BASIC QUALIFICATIONS:** Ph.D. or equivalent degree in Applied Mathematics or closely related or relevant field preferred by June 30, 2014 (must be conferred by June 30, 2015). Teaching experience (demonstrated by college level teaching experience, TA experience, research presentations and/or professional training seminars). Demonstrated record of research and publication.

**PREFERRED QUALIFICATIONS:** University teaching experience, graduate student mentoring experience, demonstrated record of research excellence and productivity, participation and achievement in professional or university organizations and record of honors or awards.

**POSITION AVAILABLE:** July 1, 2014 (with academic year beginning September 2014.)

**TO APPLY:** Applications are accepted via the UCSC Academic Recruit online system, and must include a letter of application, curriculum vitae, research statement, teaching statement, 2-5 publications and 3-5 confidential reference letters*. Applicants are invited to submit a statement addressing their past or potential contributions to diversity through research, teaching and/or service. Materials must be submitted as PDF files.

Apply at [https://recruit.ucsc.edu/applying/JPF00066](https://recruit.ucsc.edu/applying/JPF00066)

Refer to Position JPF00066-14 in all correspondence.

*All letters will be treated as confidential per University of California policy and California state law. For any reference letter provided via a third party (i.e., dossier service, career center), direct the author to UCSC’s confidentiality statement at [http://apo.ucsc.edu/convfsm.htm](http://apo.ucsc.edu/convfsm.htm)

**CLOSING DATE:** Review of applications will begin on January 6, 2014.

To ensure full consideration, applications should be complete – including letters of recommendation received – by this date. The position will remain open until filled, but not later than 6/30/2014.

UC Santa Cruz faculty make significant contributions to the body of research that has earned the University of California the ranking as the foremost public higher education institution in the world. In the process, our faculty demonstrate that cutting-edge research, excellent teaching and outstanding service are mutually supportive.

The University of California, Santa Cruz is an Affirmative Action/Equal Employment Opportunity Employer, committed to excellence through diversity. We strive to establish a climate that welcomes, celebrates, and promotes respect for the contributions of all students and employees.

Inquiries regarding the University’s equal employment opportunity policies may be directed to: Office for Diversity, Equity, and Inclusion at the University of California, Santa Cruz, CA 95064; (831) 459-2686. Under Federal law, the University of California may employ only individuals who are legally able to work in the United States as established by providing documents as specified in the Immigration Reform and Control Act of 1986. Certain UCSC positions funded by federal contracts or sub-contracts require the selected candidate to pass an E-Verify check. More information is available [here](http://apo.ucsc.edu/convfsm.htm) or from the Academic Personnel Office (APO) at (831) 459-4300.

As of January, 1, 2014, UCSC will be a smoke & tobacco-free campus.

If you need accommodation due to a disability, please contact the Academic Personnel Office at apo@ucsc.edu (831) 459-4300.