

# Computing Sciences, Lawrence Berkeley National Laboratory

**Position ID:** [1327-PD81844](#) [#8445, 81844]

**Position Title:** Applied Mathematics Postdoctoral Fellow

**Position Type:** Postdoctoral

**Position Location:** Berkeley, California 94720, United States

**Subject Area:** Applied Mathematics

**Application Deadline:** (posted 2016/01/07, listed until 2016/07/07)

**Position Description:** [Apply](#)

**Berkeley Lab is Bringing Science Solutions to the World, and YOU can be a part of it!**

In the world of science, Lawrence Berkeley National Laboratory (Berkeley Lab) is synonymous with "excellence." That's why we hire the best - whether in research, finance or other operations. This is a great opportunity to bring your top-notch skills to bear in support of world-class scientific research that addresses national and global challenges!

The Center for Computational Sciences and Engineering is seeking a postdoctoral fellow to work on the development of space-time parallel algorithms for ordinary and partial differential equations and their application to a variety of areas of interest to Department of Energy (DOE). For more information about the Center for Computational Sciences and Engineering, please visit [HERE](#).

## **What You Will Do:**

Work on the development, implementation, and analysis of space-time parallel algorithms and the application of such methods to the investigation of fundamental physical phenomena arising in a variety of areas.

Particular application areas of interest include geo-physical flows, combustion, and molecular dynamics.

## **What Is Required:**

Ph.D. in Applied Mathematics, the Physical Sciences or Engineering within the last 3 years, with a strong research background in computational methods and scientific computing.

Preference will be given to an applicant with research experience in the development of parallel numerical methods for partial differential equations.

## **Additional Desired Qualifications:**

Programming experience in C++, MPI, and modern Fortran is highly desirable.

**Key Skills:** Scientific computing, Applied Mathematics, Parallel Programming, C++, modern Fortran.

The posting shall remain open until the position is filled.

**Notes:** Berkeley Lab understands the postdoctoral experience in a research environment is unique. We are committed to the growth and development of early career researchers in pursuit of becoming next generation scientists and engineers. Read about the excellent postdoctoral benefits at Berkeley Lab.

This is a 1 year term appointment with the possibility of renewal for up to 5 years based upon satisfactory job performance, continuing availability of funds, and ongoing operational needs. Salary for postdoctoral positions depends on years of experience post-degree.

This position requires completion of a background check.

Berkeley Lab addresses the world's most urgent scientific challenges by advancing sustainable energy, protecting human health, creating new materials, and revealing the origin and fate of the universe. Founded in 1931, Berkeley Lab's scientific expertise has been recognized with 13 Nobel prizes. The University of California manages Berkeley Lab for the U.S. Department of Energy's Office of Science.

Berkeley Lab is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, or protected veteran status.

#### **Application Materials Required:**

- Cover Letter
- Curriculum Vitae
- Research Statement
- Publication List
- Reference Letters (to be submitted by the reference writers at this site



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**And anything else requested in the position description.**

**Further Info:**