

Postdoctoral Appointee in Computational Science for Reduced Order and/or Surrogate Modeling



Location: Livermore, CA
Full-time/Temporary

What Your Job Will Be Like

We are seeking a Postdoctoral Appointee at Sandia National Laboratories to join our department! This position involves research on surrogate and reduced order modeling with an eye towards developing methods that can be deployed to large-scale computational physics simulations. This position will also involve collaboration with domain experts to apply these methods to a variety of applications spanning thermal, structural, and aerodynamic disciplines, as well as multi-physics simulations such as climate models. This position will involve significant collaboration within Sandia and other institutions with researchers in applied mathematics, statistics, and application domains.

On any given day, you may be called on to:

- Work as part of a technical team conducting innovative research in foundational and applied computational science
- Apply computational science capabilities to scientific and engineering applications relevant to Sandia's diverse mission space
- Publish outstanding new developments in peer-reviewed scientific journals
- Contribute to development of open-source software
- Interact and cooperate with a diverse set of colleagues

The physical work location can be in Livermore, California or Albuquerque, New Mexico.

Qualifications We Require

- Ph.D. in computer science, applied mathematics, related engineering/science subject area, or a Ph.D. in a domain science with extensive experience in computational science for reduced order and/or surrogate modeling.
- Technical expertise in reduced order and/or surrogate modeling.
- Experience in high performance, distributed, or parallel computing
- Proven software development experience in C++, C, Python, or related languages
- Publication record indicative of relevant research expertise

Apply online at:
sandia.gov/careers/
Job #: 679723

About Sandia:

Our culture values work-life balance; we offer flexible work schedules like a 9/80 or 4/10 alternative work week, part-time options and telecommuting opportunities - with management approval, on-site fitness and medical facilities, and three weeks of vacation. Sandia provides employees with a comprehensive benefits package that includes medical, dental, vision, and a 401(k) with company-match*.

Sandia National Laboratories is the nation's premier science and engineering lab for national security and technology innovation. We are a world-class team of scientists, engineers, technologists, post docs, and visiting researchers all focused on cutting-edge technology, ranging from homeland defense, global security, biotechnology, and environmental preservation to energy and combustion research, computer security, and nuclear defense.

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Life-changing careers.*

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**These benefits vary by job classification.*