

**Location: Albuquerque, NM****Full Time, Regular****What Your Job Will Be Like**

Are you passionate about your work and dream of utilizing state-of-the-art facilities to explore solutions? Do you want to join a diverse team that solves significant issues for our nation's security?

We are seeking an outstanding research scientist or engineer with a passion for research in computer science or computational science with experience in data analytics or machine learning to make significant contributions to our broad-based computing research organization, with a focus on:

- Exploratory/predictive data analytics,
- High-performance data analytics (e.g., scalable data analytics/machine learning),
- Multi-scale/multi-physics applications,
- Numerical methods, or
- Cognitive science (modeling, autonomy, neuroscience, neuromorphic computing)

Are you passionate about applying cutting-edge data analysis or machine learning techniques to address national computing needs in energy, climate, and national security? On any given day, you may:

- Conduct creative research and development to impact physics-based or data-centric applications.
- Collaborate with a team of hardworking, multidisciplinary researchers to explore state-of-the-art techniques and develop software to support the DOE mission.
- Brief program managers on project proposals or status to develop and maintain program funding.
- Collaborate with management on charting strategic research directions.
- Collaborate with team members on journal publications and conference presentations, as well as participating in scientific conferences.

While this position is located at Sandia's New Mexico site, engagement with scientists at Sandia's California site, as well as collaborators external to Sandia is encouraged. Ability to collaborate with a diverse set of colleagues is a strong advantage in this position.

**Qualifications We Require**

- A PhD in applied mathematics, engineering, computer science, physical science, or other, equivalent relevant discipline.
- Advanced computer programming experience.
- Research experience in data analytics or machine learning.
- An outstanding record of publication of results in peer-reviewed journals and external presentations at scientific conferences.
- Experience making effective technical presentations

**Qualifications We Desire**

- Experience leveraging novel architectures (e.g., GPUs, FPGAs, or SoCs) for simulation, data analysis, or machine learning
- Research experience in exploratory/predictive data analytics, multi-scale/multi-physics simulations, high-performance data analytics, numerical methods, or cognitive science.
- Expertise in scientific programming for high performance parallel computing, including expertise with MPI-based parallel programming.

**About Our Team**

The Center for Computing Research (CCR) at Sandia creates technology and solutions for many of our nation's most demanding national security challenges. The Center's portfolio spans the spectrum from fundamental research to state-of-the-art applications. Our work includes computer system architecture (both hardware and software); enabling technology for modeling physical and engineering systems; and research in discrete mathematics, data analytics, cognitive modeling, and decision support materials.

Apply online at:  
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Job #: 666947

**About Sandia:**

Our culture values work-life balance; we offer programs such as flexible work schedules with alternate Fridays off, on-site fitness 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.

*World-changing technologies.  
Life-changing careers.*

Learn more about Sandia:  
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