



## Performance Analysis and Visualization at Exascale Post-Doctoral Research Position

The Institute for Data Analysis and Visualization, at the University of California at Davis has an opening for a postdoctoral researcher to perform advanced research and development in the area of analysis and visualization of large-scale performance data collected from massively parallel simulations. The long-term goal is to develop a better understanding of the complex interplay between hardware characteristics, computation, and communication, and their relationship to the simulated physical phenomena in large-scale applications. This work will involve researching new techniques to visualize and analyze typically abstract performance data and to provide more intuitive views and new insights to application developers.

The work will be performed as part of a large team of visualization and performance analysis experts at Lawrence Livermore National Laboratory, the University of Utah, and UC Davis that regularly interacts with a number of development teams for some of the world's most advanced scientific simulations, including multiple Gordon Bell prize winners. The successful candidate will work in a multidisciplinary team environment and have the opportunity to spend extended periods of time at any of the participating institutions. Candidates should have expertise in some or all of the following areas: Information visualization, multi-field analysis, multi-field visualization, high-performance computing, statistics, and data analysis.

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