



Group Leader - Scientific Computing

Joint Institute for Computational Sciences (JICS) High Performance Computing Facility

The University of Tennessee (UT) seeks an outstanding scientist with exceptional leadership experience and skills to serve as the Group Leader of the Scientific Computing Group in the Joint Institute for Computational Sciences High Performance Computing Facility. Pre-eminence in high performance computing is increasingly critical to maintaining U.S. scientific and technological leadership. JICS is planning the acquisition and deployment of a high performance computing (HPC) system to enable the National Science Foundation's (NSF) science and engineering communities the capability to address some of their most computationally challenging research needs. The position reports to the Project Director of the Joint Institute for Computational Sciences.

This high-profile position will lead a team responsible for managing and conducting leading-edge research and application support for the users of high-performance computing (HPC) systems and for performing research on HPC tools and algorithms. Support will cover a wide range of HPC applications, such as climate modeling, astrophysics, materials science, chemistry, and database searching. The position reports directly to the Project Director and will work closely with the JICS HPC Director of Operations, the Director of Science, and the Chief Technology Officer.

The major duties and responsibilities of the position include, but are not limited to, the following:

- Develop and lead a successful program in scientific applications research (quality of science, staffing, and budget oversight)
- Interaction with the appropriate program offices and other agencies to develop and maintain program funding for basic and applied research
- Perform and publish high quality research
- Collaborate with application scientists in the laboratory on advancing the scientific mission of the laboratory
- Take responsibility for personnel management, including but not limited to creation of personnel performance appraisals and employee development plans
- Represent group-level work to review committees and outside non-government bodies as appropriate
- Program development and development of new research directions as a basis of continued funding and the overall health of the Group
- Provide leadership in all areas of ES&H and full implementation of integrated safety management in the Group
- Ensure staff compliance with Laboratory policies, standards and procedures and other regulations
- Select and retain highly qualified staff, develop capabilities of staff, and ensure that staff are competent, trained, and qualified for assigned work
- Provide effective and meaningful performance feedback to individual staff members
- Ensure that staff are effectively utilized, rewarded, and motivated
- Support the professional development of staff consistent with Laboratory and individual development plans
- Prepare plans and budgets and manage assigned resources (people, equipment, facilities)

The ideal candidate will have an advanced degree in computer or computational science (or an equivalent combination of education and experience). Additionally, the position requires five years of directly related research experience with a substantial publications record in HPC research and applications. Requires a demonstrated ability to develop and maintain research programs and substantial

programmatic funding. Personnel management skills are essential, along with the ability to communicate effectively verbally and in writing. Knowledge of government laboratory business practices is a plus, specifically within the Department of Energy or related federal departments. Candidates must have a proven capability to work effectively in a team environment.

The University of Tennessee is an EEO/AA/Title VI/Title IX/Section 504/ADA/ADEA institution in the provision of its education and employment programs and services. The university welcomes and honors people of all races, creeds, cultures, and sexual orientations, and values intellectual curiosity, pursuit of knowledge, and academic freedom and integrity. ORNL is a multiprogram research facility managed by UT-Battelle, LLC, for the U.S. Department of Energy, is an equal opportunity employer committed to building and maintaining a diverse work force.