

**Postdoctoral Research Associate
in Computational Mathematics**

**Computational Mathematics Group
Computer Science and Mathematics Division
Computer and Computational Sciences Directorate
Oak Ridge National Laboratory
Oak Ridge, Tennessee**

ORNL09-48-CSMD

Project Description:

The Computational Mathematics Group in the Computer Science and Mathematics division at Oak Ridge National Laboratory is looking for Postdoctoral staff to work on adapting existing software and developing new computational fluid dynamics methods for modeling flows in complex domains. The position also involves work in developing seamless coupling of flow to structures as well as developing reduced order representations of these flows based on the data.

Qualifications:

The successful candidate is expected to have completed their Ph.D. studies in Computational Science or Engineering, or a related field. Applicants cannot have received the most recent degree more than five years prior to the date of application and must complete all degree requirements before starting their appointment. The person should have a strong background in numerical analysis, PDE solvers, finite elements and/or finite volumes, and scientific computing. Experience in large-scale parallel code development in Fortran or C or C++ and the willingness to work in a team environment is essential.

Technical Questions:

Contact Sreekanth Pannala at pannalas@ornl.gov or 865-574-3129. Please reference the position title and number when corresponding about this position.

How to Apply:

Qualified applicants may apply online at https://www2.ornl.gov/ORNL_POST/. All applicants will need to register before they can begin the online application. For complete instructions, on how to apply, please see the instructions at <http://www.ornl.gov/orise/edu/ornl/ornl-pdpm/application.htm>. When applying for this position, please reference the position title and number.

This appointment is offered through the ORNL Postdoctoral Research Associates Program and is administered by Oak Ridge Associated Universities (ORAU). This appointment is open to all qualified U.S. and non-U.S. citizens without regard to race, color, age, religion, sex, national origin, physical or mental disability, or status as a Vietnam-era veteran or disabled veteran.