Computational Research on Magnetized Fusion Plasmas

Fusion Energy Division
Oak Ridge National Laboratory
Oak Ridge, Tennessee

ORNL07–50–FUS–ENG

Project Description:
The ORNL Fusion Theory Program carries out a program of analytical and computational research on magnetized fusion plasmas. Research topics include RF-plasma interactions, MHD equilibrium and stability, and transport (both classical and anomalous). The position would involve computational research (both code development and use) on one or more of these topics.

Qualifications: A doctoral degree is required in Physics or Computer Sciences.
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. Experience in the physics of magnetized fusion plasmas and on computer-based simulation on large computers is highly desirable.

How to Apply:
Qualified applicants may apply online at https://www2.orau.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.orau.gov/orise/edu/ornl/ornl-pdpm/application.htm. When applying for this position, please reference the position title and number (ORNL07-50-FUS-ENG).

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.