

Post-Master's Research Associate in Power Systems

Energy and Transportation Science Division Oak Ridge National Laboratory Oak Ridge, Tennessee

ORNL10-37-ETSD

Project Description:

The Power and Energy Systems Group in the Energy and Transportation Science Division at the Oak Ridge National Laboratory seeks to hire a power systems post-master's research associate who will perform applied research in electrical engineering power systems related areas working closely with the R&D staff in the group.

Major Duties/Responsibilities

Duties will include, but are not limited to:

- Work with senior technical staff to perform applied research by modeling and simulation to visualize the reactive reserves.
- Working as a team member with experienced researchers, the individual will be expected to contribute to formulating research problems and designing research strategies, conducting analyses and developing computer models using state-of-the-art methods.
- Prepare and deliver technical presentations to sponsors, technical merit reviewers *et al.*, and at national/international technical conferences and symposia.
- Interact with a broad range of government and commercial sponsors to develop new research funding while striving to work with and involve other areas of expertise within the laboratory.
- Work with other researchers and as a team member on current projects and collaborate with research staff on future research initiatives.
- Publish original research in peer reviewed journals and other professional technical publications.
- Actively participate in technical societies such as IEEE.

Qualifications:

The position requires an M.S. in electrical engineering with a focus on power systems modeling and visualization. Proficiency in the use of industry standard modeling and simulation tools for electrical power systems and their analysis is required. Excellent oral and written communication skills are important to support regular interactions with sponsors and others and to prepare reports, proposals, and publications/journal articles. A strong commitment to scientific integrity is needed. Some travel may be required. No clearance is required. Applicants cannot have received the most recent degree more than five years prior to the date of application appointment and must complete all degree requirements before starting their appointment.

Technical Questions:

Questions regarding the position can be directed to Burak Ozpineci at Ozpinecib@ornl.gov. Please include the requisition number and title when corresponding.

How to Apply:

Qualified applicants must 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>.

This appointment is offered through the ORNL Postgraduate Research Participation Program and is administered by the Oak Ridge Institute for Science and Education (ORISE). The program 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.