

Post Master's or Postdoctoral Research Associates in Energy Efficiency and Renewable Energy

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

ORNLO8-121-ETSD

Project Description:

The Residential, Commercial and Industrial Energy Efficiency (RCIEE) Group in the Energy and Transportation Science Division (ETSD) at the Oak Ridge National Laboratory is seeking a qualified candidate to fill a Post-Masters or Postdoctoral position. The RCIEE Group supports the U.S. Department of Energy's Energy Efficiency and Renewable Energy Programs and other customers in the development, implementation and evaluation of plans, programs and policies, as well as individual projects and technologies that have the goal of increasing the sustainability of buildings through improved energy efficiency and the increased use of renewable energy.

Responsibilities:

The successful candidate will provide engineering analysis and technical guidance to key technical activities within ORNL's Energy Efficiency and Renewable Energy program:

- Provides analysis to assess the performance of key elements of buildings-related energy efficiency and renewable energy programs. Documents results in technical reports and presents results to sponsors and in technical conferences and forums.
- Reviews proposals for energy efficiency projects at federal facilities, performing engineering and economic analysis to assess project feasibility. Documents results in oral and written communications to other ORNL staff, project support personnel and agency oversight organizations.
- Supports the development of training materials to inform customers of programs and technologies available to meet requirements for energy efficiency and the use of renewable energy.
- Accountable for compliance with ORNL environment, safety, health, and quality program requirements.
- Maintains a strong commitment to the implementation and perpetuation of ORNL values and ethics.

Qualifications:

- Requires either a M.S./Ph.D degree in mechanical engineering or an M.S./Ph.D degree in one of the following other areas: chemical engineering, electrical engineering, architectural engineering, or industrial engineering, with a minimum of two to four years of experience and education in industrial and buildings energy efficiency, including conducting energy analyses, site assessments, identifying energy savings opportunities, and performing technical and economic feasibility analyses.
- Experience with and understanding of energy simulation and modeling fundamentals and software for buildings and/or industrial energy systems is required.

- Strong written and verbal communication skills are mandatory. The candidate must be able to present and defend work results frequently to ORNL staff, sponsors and in other technical forums.
- Familiarity with and past participation in Department of Energy program activities including analysis software tools, technical training, and energy assessments would be valuable.
- Skills in project engineering and project management are required.
- The candidate needs to demonstrate initiative to quickly learn and provide creative approaches to performing technical projects.
- Professional Engineer, Fundamentals of Engineering, and/or Certified Energy Manager certifications are all desirable.

Some travel will be required. No security clearance is required.

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. Expected duration of these appointments is one year with the possibility of an extension. Interested candidates should apply as soon as possible.

Technical Questions:

Please contact Ms. Julia Kelley kellyjs@ornl.gov. 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>. Please reference the position title and number, when corresponding about this position.

This appointment is offered through the ORNL Postdoctoral or Postmaster's Research Associates Program and is administered by Oak Ridge Associated Universities (ORAU) (<http://www.ornl.gov/orise/edu/ornl/ornl-pd/ornlpdoc.htm>). . This appointment is open to all qualified U.S. without regard to race, color, age, religion, sex, national origin, physical or mental disability, or status as a Vietnam-era veteran or disabled veteran.