



Research Engineer (I or II)

Utility Experience

NEETRAC, the National Electric Energy Testing, Research and Applications Center at Georgia Tech, is looking for an engineer with experience in electric utility transmission and distribution systems to develop, manage and conduct applied research programs at its laboratory located in Forest Park, GA, just south of downtown Atlanta.

NEETRAC is a widely respected center in the US for applied research and testing in the field of electric energy transmission and distribution. The center operates as a membership focused consortium that includes electric utilities, equipment manufacturers and related industries in the electric energy delivery arena. The diverse interests of the consortium enable NEETRAC to provide a dynamic work environment with extensive interaction with real world issues and opportunities.

As a part of the School of Electrical and Computer Engineering at the Georgia Institute of Technology, NEETRAC provides solid benefits and competitive compensation packages.

Job Scope/Duties

The selected candidate will work with our members to design, conduct and manage research and testing projects related to the transmission and distribution of electric energy. Potential work areas may include, but are not limited to:

- T&D system Smart Sensors
- Deployment of “Smart Grid” technologies
- Integration of Telecommunications with the Power Grid
- Grounding
- Applied Research on various T&D system components.
- Application of New Hardware on T&D Systems
- Integration of Renewable Resources
- System Protection
- Power Quality
- System Automation
- Misc. Electrical Testing Programs

The candidate will also consult with members / customers providing advice and guidance.

Key Responsibilities

- Prepare project proposals (Scope, Schedule, Budget, Deliverables) for Research and Testing projects within the NEETRAC scope
- Manage research and testing projects to assure they are performed with a high degree of professionalism and customer satisfaction and are completed on time and on budget.
- Provide consultation to NEETRAC Members within candidate’s areas of expertise.
- Provide work direction to technicians and coordinators as appropriate.

NEETRAC Research Engineer – Utility Experience

- Prepare project reports and presentations to members.
- Participate on relevant industry committees as required.
- Act as a role model and mentor others within the organization.
- Work with NEETRAC managers to broaden existing business and develop new business opportunities.
- Maintain and grow personal professional expertise.
- Market NEETRAC services to members and non-members by displaying a significant familiarity with NEETRAC's services and capabilities.

Job Requirements

- Education
 - Minimum of a Bachelor's degree in an applicable engineering discipline, including engineering technology
- Personal characteristics/knowledge/skills
 - Ability to work on multiple projects in parallel
 - Good self-prioritization skills
 - Strong interpersonal skills
 - Proven ability to work as part of a team
 - Solid speaking, presentation and writing skills
 - Ability to travel as required to support NEETRAC professional activities and customers
 - Ability to work in a laboratory environment
- Preferential consideration given for the following experience/skills:
 - 10+ years of experience in electric utility transmission / distribution.
 - Practical knowledge/experience in electric energy delivery operations
 - Control circuit design and construction
 - Conducting, developing, managing R&D projects
 - Knowledge of computer/control systems including SharePoint, App development and PLC programming
 - General knowledge of relevant industry standards (IEEE, NESC, ANSI, etc.)

More about this position

- The position is located in Forest Park, GA (not GA Tech's main campus)
- Pay will be commensurate with skills and experience
- GA Tech has competitive benefits
- GA Tech is an equal opportunity employer

If you feel you are qualified for this position, please submit your resume to info@neetrac.gatech.edu. For more information on Georgia Tech NEETRAC, go to www.neetrac.gatech.edu.