NEETRAC Research Engineer

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 in 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. The job level (Research Engineer II or Senior Research Engineer) will depend on the relevance of the candidate’s skills, experience and degree(s).

**Job Scope**

The selected candidate will work with our members to design, conduct and manage research and testing projects related to transmission and distribution including, but 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
- Power Quality
- System Automation
- Misc. Electrical Testing Programs

The candidate will also consult with members / customers providing advice and guidance. The ideal candidate would also be able to participate as a member of the NEETRAC Leadership Team.

**Key Responsibilities**

- Prepare project proposals (Scope, Schedule, Budget, Deliverables) for both large and small 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.
• Prepare project reports and presentations to members.
• Participate on relevant industry committees.
• 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.
• Support NEETRAC Management on business planning and reporting activities.
• Market NEETRAC services to members and non-members by displaying a significant familiarity with NEETRAC’s services and capabilities.

Essential Knowledge, Experience and Qualifications

• Practical knowledge/experience in electric energy delivery with 10+ years of broad experience in electric utility transmission / distribution design, operations, standards, construction, management with some experience in research and testing.
• A Bachelors, Masters or PhD degree in electrical or mechanical engineering or closely related degree
• Masters in an engineering discipline strongly preferred
• Strong analytical, writing and presentation skills
• Ability to work on multiple projects in parallel
• Strong interpersonal and customer service skills
• Proven ability to work as part of a team
• Up to date knowledge and experience in project management
• General knowledge of relevant industry standards (IEEE, NESC, ANSI, etc.)

To Apply

Please submit your resume to linda.dillon@ece.gatech.edu.
For more information on Georgia Tech NEETRAC, go to www.neetrac.gatech.edu.