

Positions Available

Materials Scientist Position at the National Fertilizer Development Center, Tennessee Valley Authority

The Tennessee Valley Authority's (TVA) National Fertilizer Development Center (NFDC), Muscle Shoals, Alabama, is seeking a Materials Scientist with an advanced degree in chemistry, materials science, geology, or other physical science. We are seeking an individual with specialized knowledge of the principles of optical crystallography, the optical crystallographic properties of solid substances, and the theory and application of chemical microscopy techniques for the analysis and characterization of materials. Knowledge of other materials characterization techniques such as Fourier transform infrared spectroscopy, X-ray diffraction, scanning electron microscopy/energy-dispersive X-ray analysis, the scientific principles involved, and some background and experience in mineralogy and optical mineralogy is highly desirable. Skill in both written and verbal communication and in establishing and following guidelines is essential. The individual will conduct materials characterization research independently, in support of other TVA research projects, and as required for outside contract work in the areas of environmental research, fertilizer/product process improvement, and industrial by-product utilization.

This is a prepermanent full-time annual position with a salary range from \$32,430 to \$54,645 depending on qualifications. If you are qualified and eager to contribute to this vital program, please send your resume along with social security number and proof of citizenship to:



**Tennessee Valley Authority
Human Resource Services
NFD 2T 230J
Muscle Shoals, Alabama 35661**

TVA is an equal opportunity employer. Selections will be made on the basis of merit and efficiency as set out in the TVA Act and applicable laws prohibiting discrimination in Federal employment.

THEORETICAL PHYSICIST

Theoretical physicist for research on materials reliability. Must have demonstrated ability in applying advanced mathematical techniques, including both continuum and discrete modeling, to the solution of problems in each of the following fields of materials research: fracture mechanics, nondestructive evaluation, composite materials, and electronic packaging. PhD or equivalent in physics or materials science required. U.S. citizenship required. Send resumes to: Department of Commerce, MASC-Personnel Department, Attention: Floyd Powell, 325 Broadway, Boulder, CO 80303-3328.

An equal opportunity/affirmative action employer.

RESEARCH ENGINEER

Neutron scattering PRT at Brookhaven seeks creative self-starter with excellent interpersonal skills to supervise and maintain a triple-axis diffractometer, coordinate user schedules, help train new users and initiate upgrades. BS (MS preferred) in science or engineering; 2-5 years experience in computer hardware and software, mechanical systems and design, data analysis, scattering/diffraction and electronics. Current PRT members include Penn, Exxon, Du Pont, Ohio State, IBM and BNL. Send resume to: J.E. Fischer, MSE Dept., University of Pennsylvania, 3231 Walnut Street, Philadelphia, PA 19104; or E-Mail FISCHER@SOL1.RSM.UPENN.EDU.

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