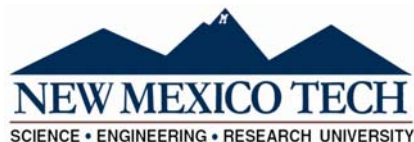


Posted: December 18, 2020



POSITION ANNOUNCEMENT

TITLE: POST DOCTORAL FELLOW IN COMPUTATIONAL THERMODYNAMICS

DEPT: EARTH & ENVIRONMENTAL ENGINEERING/ NMBGMR

REG

TEMP

FULL TIME

PART TIME

STARTING RATE or SALARY RANGE \$50,000

All regular positions also entitle the employee to several benefits including health, dental, vision, life insurance, and retirement which is largely paid by New Mexico Tech for the employee and dependents.

INTERNAL POSTING THROUGH: January 4, 2020* CONSIDERATION WILL BE GIVEN FIRST TO TEMPORARY AND REGULAR TECH EMPLOYEES WHO APPLY WITHIN THE 7 DAY INTERNAL POSTING. APPLICATIONS RECEIVED AFTER THE 7 DAY POSTING MARGIN WILL BE CONSIDERED WITH OTHER OUTSIDE APPLICANTS.

JOB DUTIES:

Implement laboratory experimental data from a DOE project into MINES thermodynamic database, development of equations of state for high temperature aqueous fluids, numerical optimization of thermodynamic data and model fitting. Literature data compilation and critical thermodynamic data evaluation. Publication of research in peer-reviewed journals and presentation at conferences, and training of students in numerical modeling. Coordination as well as computer code development with the GEMS development team and participate at the ThermoEcos project with collaborators.

REQUIRED QUALIFICATIONS:

Ph.D. or other doctorate level equivalent. - Area of study: Geochemistry/Geosciences/ Computer Sciences. Scientific data analysis and plotting required. Thermodynamic data: critical evaluation and handling of experimental data required. Computational skills: coding in C++ and python required. Thermodynamic modeling required. Training students desired.

Apply to: nmtjobapps@npe.nmt.edu OR NMT/ HR 801 Leroy Place Brown Hall Box 124, Socorro, NM 87801