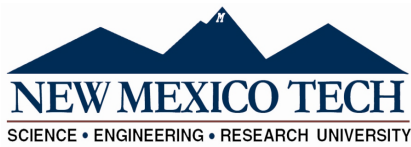


**Posted:** February 13, 2025



## POSITION ANNOUNCEMENT

**TITLE:** POSTDOCTORAL RESEARCH ASSOCIATE

**DEPT:** EARTH AND ENVIRONMENTAL SCIENCE

**REG**

**TEMP**

**FULL TIME**

**PART TIME**

**STARTING RATE or SALARY RANGE** \$ 60,000 - \$62,000

Employees being promoted to a higher classified position receive the minimum for the position or a pay rate adjustment of 8% whichever is greater.

**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: Concurrent** 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 SUMMARY:

Objective of the research project is to improve large-scale snow simulations in Earth System Models by i) investigating the spatial variability of snow cover over mountains and complex terrain regions, ii) investigating how snow microphysics and snow albedo evolve with snow aging, and iii) studying the space-time variability of snow droughts. The main task of the postdoc will be to develop scientific software to model snowpack evolution, analyzing data, and authoring scientific publications

### JOB FUNCTIONS:

Performing research, authoring scientific publications, disseminate research results.

### REQUIRED QUALIFICATIONS:

PhD in Earth Science, civil and environmental engineering or applied mathematics. Good knowledge of hydrology and related physical and mathematical processes. Proven ability in communicating scientific and technical topics. Experience in authoring scientific publications, software, and managing scientific data. Good command of numerical methods, scientific computing and high performance computing.

### DESIRED QUALIFICATIONS:

Experience in developing or using Earth System Models or large-scale hydrological models.

### LIFTING REQUIREMENTS:

(f)requently, (o)ccasionally, or (s)eldom

0 - 15 pounds	S
15 - 30 pounds	
30 - 50 pounds	
50 - 100 pounds	
100 + pounds	

**PHYSICAL DEMANDS:**

Standing	Sitting	Walking	Pulling
Pushing	Lifting	Stooping	
Crawling	Climbing	Reaching 2%	Other

Apply to: [nmtjobapps@npe.nmt.edu](mailto:nmtjobapps@npe.nmt.edu)