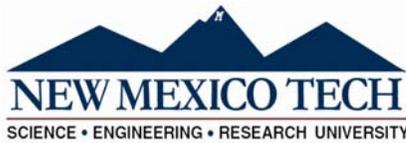


Posted: December 13, 2021



POSITION ANNOUNCEMENT

TITLE: POSTDOCTORAL SCHOLAR-INSTRUMENTATION **DEPT:** MROI

REG **TEMP** **FULL TIME** **PART TIME**

STARTING RATE or SALARY RANGE \$50,000-\$55,000

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 DUTIES:

The successful candidate will support the final development and deployment of two key subsystems of the MROI (a) the ICoNN Fringe Tracker and the (b) Automated Alignment System (AAS). They will also participate in the overall commissioning activity of the MROI supporting other subsystem integration and realizing first-fringes. Their activities will include (but are not limited to): assembling and aligning opto-mechanical hardware, testing system performance, developing and testing the software control of ICoNN and the AAS, debugging these subsystems and participating in the formal performance validation of these and other key subsystems of the MROI.

REQUIRED QUALIFICATIONS:

Ph.D. required in Physics/ Astronomy instrumentation. Knowledge of Zemax, Code V or similar optical software; knowledge of solidworks required. Hands-on experience with low noise optical/IR detectors required. Experience deploying and verifying performance of astronomical equipment at observatories required. Machining experience to make/ adjust small parts in real time as needed; programming capabilities required. A valid NM Driver's License required.

Apply to: nmtjobapps@npe.nmt.edu OR NMT/ HR 801 Leroy Place Brown Hall Box 000, Socorro, NM 87801