

Posted: March 8, 2023



POSITION ANNOUNCEMENT

TITLE: PROJECT ENGINEER

DEPT: MROI

REG

TEMP

FULL TIME

PART TIME

STARTING RATE or SALARY RANGE \$95,000-\$105,000

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:

The Project Engineer will lead the technical deployment and commissioning of the MRO Interferometer. This will involve providing leadership for the MROI technical team, planning and coordinating their activities, and managing the system engineering of the whole interferometer. The Project Engineer is also expected make a substantial engineering contribution to one or more of the optical, mechanical, electrical or software teams. The Project Engineer will work with the MRO Interferometer team including the Principal Investigator, Project Scientist, System Architects, Engineering staff and Software staff to deploy and commission the MRO Interferometer array.

JOB FUNCTIONS:

Engineering contribution to the technical teams and commissioning.	25%
Planning and coordination of the technical deployment.	25%
Oversight of system engineering and documentation.	25%
Supervising external vendor contracts.	10%
Presentations to stakeholders on progress/design.	5%
Other duties as assigned.	10%

REQUIRED QUALIFICATIONS:

Bachelor's Degree in Engineering Discipline or Physics/Astronomy plus at least 7 years' experience with astronomy projects. Deploying, integrating and testing large instrumentation projects, preferably in astronomy. Leading a technical team. Developing detailed plans for deployment of a large technical project. Contract monitoring and technical interchange meetings with vendors. Systems engineering processes and best practices. Design of complex optical, mechanical or electronic systems. Certificates in professional engineering software, especially for design work (e.g. CAD, optical design, etc). Ability to obtain a NM Driver's License and pass the defensive driving course to operate NMT vehicles.

DESIRED QUALIFICATIONS:

Master's Degree in Engineering Discipline or Physics/Astronomy plus at least 4 years' experience with astronomy projects. Familiarity with large telescope or astronomical interferometer systems. Familiarity with cryogenic and vacuum systems.

LIFTING REQUIREMENTS:

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

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

PHYSICAL DEMANDS:

Standing 20%	Sitting 30%	Walking 10%	Pulling 5%
Pushing 5%	Lifting 5%	Stooping 1%	Kneeling 1%
Crawling 1%	Climbing 2%	Reaching 2%	Other

Apply to: nmtjobapps@npe.nmt.edu