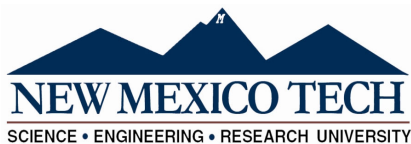


Posted: May 19, 2023



**REVISED 5/19/23**  
**POSITION ANNOUNCEMENT**

**TITLE: DIRECTOR, HANTUSH DEJU HYDROLOGICAL INNOVATION CENTER**

**DEPT: OFFICE OF RESEARCH**

**REG**

**TEMP**

**FULL TIME**

**PART TIME**

**STARTING RATE or SALARY RANGE Negotiable**

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:**

New Mexico Tech seeks a dynamic and entrepreneurial leader to serve as the Director of the newly created Hantush-Deju National Hydrological Innovation Center, located on the New Mexico Tech campus. This position will report to the Vice President for Research, and the selected hire will oversee all facets of center development and management. The Center's vision is to improve understanding of our water resources through modern hydrological and engineering technology so we can secure a sustainable supply of water for the future, while also educating the hydrologists of tomorrow. To support this vision, the Director will develop timely and relevant research initiatives led by Center staff, in collaboration with other researchers at NMT, as well as experts at our National Labs and other universities. Through the Center and its network of collaborators, innovative and practical advancements in hydrology are to be derived, using, as appropriate, tools such as the internet of things, and artificial intelligence/machine learning applied to 'big data' sets analyzed with high performance computing.

- **Strategic Direction** - The Director will track key societal issues related to water, assess current research gaps, and develop new innovative research focus areas to advance the mission and impact of the Center. The Director will develop strategies, research goals, and implement plans to grow the Center. The Director works with the VP for Research to define priorities and direction of the Center. The Director will also work with an external advisory board to set Center priorities.
- **Business Development** - The Director will support the research teams by searching for potential funding opportunities and developing effective research partnerships relevant to the research focus areas. The Director will develop strong professional relationships with the research community, including funding organizations, and be well recognized by leaders in their field. The Director will also oversee the development of proposals, and make funding presentations to companies, government agencies, prospective donors, and university leaders.
- **Management, Supervision, and Mentoring** - The Director shall manage, inspire, and mentor researchers, students, and collaborators. This will include fostering a spirit of innovation, collaboration and collegiality among staff and research teams within the Center, as well as between the Center, New Mexico Tech's Hydrology Program and other research and academic units on campus. The Director will lead and participate in the recruitment, hiring, management, and supervision of employees.
- **Research** - The Director must have a desire to solve difficult problems through supervising and ensuring cutting-edge research and also to identify emerging opportunities for funding innovative research in hydrology. Conducting independent research will be encouraged. The Director must be able to collaborate with experts in industry, academia, and government agencies on a variety of topics. The Center will encourage collaboration by providing short-term opportunities for visiting scientists or others on sabbatical to participate in Center research.
- **Communication** - As the chief ambassador for the Center, the Director will promote, and broadly communicate its mission through focused conferences, peer-reviewed literature and electronic media. The Director will also communicate NMT's commitment to innovative research in hydrology to legislators, the scientific community, philanthropists, and stakeholders world-wide.

- **Education** - The Director must value, and contribute to, the educational mission of NMT. The Director will work to recruit and guide leading experts in a wide variety of subject areas to provide content and presentations for courses and other educational initiatives. The Center will support the education mission of NMT by funding undergraduate and graduate students and post-doctoral researchers, whose work aligns with center goals.
- **Diversity, Equity, and Inclusion** - The Director must demonstrate a commitment to promote a culture of respect where diversity, equity, and inclusion are embraced.

As a supplement to the points mentioned above, the Center Director should possess the following attributes:

- As the Presidential Endowed Chair, the Center Director will have an exceptionally strong, internationally recognized research portfolio in hydrology
- Experience with applications of artificial intelligence and machine learning to hydrology is desirable.
- Has established a broad network of positive relationships with scientists, potentially collaborating research organizations, and research sponsors in the field of hydrology
- Excellent verbal communicator of research results to peers, to research end-users, and to the public.
- Ability to work in a top-tier academic environment where research is a key element in student education.
- Excellent organizational management skills including dealing with human resources issues, budget and cost control.
- Has broad scientific insights and keen interest in identifying cutting-edge niches for building new focus areas for hydrologic innovation.
- Demonstrated ability to work with and develop productive interdisciplinary research teams
- Strong interpersonal skills well-suited to promoting the Center, to attracting research funding, and to recruiting researchers and students
- Passionate about the unique opportunity to lead the Center, building it to prominence nationally and internationally, and continuing the legacy of excellence in hydrology at NM Tech.

## **REQUIRED QUALIFICATIONS:**

Ph.D., or other doctorate level equivalent in any area of study, or in lieu of Ph.D. a Master's degree with exceptional relevant experience. Minimum of twenty (20) years of progressively advancing technical and management experience. Must have demonstrated skills and ability to communicate at all levels and to solve interpersonal problems. Strong leadership qualities and abilities to organize and manage contract research and develop partnerships with government and private industry. Demonstrated experience in managing staff. Experience, knowledge and familiarity with top level administrators and decision makers from the federal government. Current or past experience in obtaining funding and conducting research. Leadership experiences at the state and national level desired. Demonstrated excellence in leading or participating in a complex organization-focused on multi-faceted research desired.