New Mexico Tech invites applications for four professional staff positions in EarthScope seismological instrumentation and experiment support. EarthScope (www.earthscope.org) is a major Earth Science research program funded by the National Science Foundation to uncover the structure and evolution of the North American continent and physical processes controlling deformation, earthquakes, and volcanoes. Core responsibilities include local and remote support of field experiments in association with USArray transportable (TA) and flexible array (FA) operations. All positions are at the EarthScope USArray Array Operations Facility (AOF) at the New Mexico Institute of Mining and Technology (NMT) in Socorro, New Mexico, and are integrated with the IRIS PASSCAL Instrument Center (www.passcal.nmt.edu). Appointments will begin on or after February 2, 2004.

The ability to work productively and collegially in team situations under demanding laboratory and field conditions is required for all positions. Experience with seismological instrumentation and field conditions is desirable for all positions.

**Senior Engineer, AOF Operations.** Responsibilities include planning and implementing logistics for field experiments in association with TA and FA scientists and staff, and in integrating, testing and trouble-shooting telemetered and stand-alone instrumentation. An M.S. or higher degree in Electrical Engineering or a closely related discipline, or 8 or more years of directly related experience relevant to the support of in-house and field seismology operations. Experience with field data collection systems is desirable.

Applicants for the following positions are required to have a B.S. or higher degree in engineering, computer science, physical science, or another appropriate field at the time of appointment, or 3 or more years of directly related experience relevant to the support of in-house and field seismology operations.

**Communications Engineer.** Responsibilities include integration and maintenance of field data communication systems and data quality from TA and FA experiments. Experience with remote and local wireless digital data communication standards, hardware, and associated software such as satellite internet, spread-spectrum, and 802.11 is required.

**Field Engineer.** Responsibilities include coordination of field logistics coordination with TA and FA scientists and staff, development, integration, transportation, and maintenance of field instrumentation and data, and training of the user community. Electronic troubleshooting experience is required.

**Hardware Engineer.** Responsibilities include: System integration, troubleshooting, repair and maintenance of sensor and data collection systems, and training of the user community. Electronic troubleshooting experience is required.

Applicants should submit a resume, official college transcripts, a letter of professional interests, and the names and addresses, email addresses, and phone numbers of three references to: EarthScope AOF Staff Search, c/o Human Resources, New Mexico Institute of Mining and Technology, Socorro, New Mexico 87801. Applications should be addressed with the following box numbers to indicate primary interest: Communications Engineer: Box 153; Field Engineer: Box 154; Hardware Engineer: Box 155; Senior engineer: Box 156. If interested in multiple positions, please explicitly state this in the letter of professional interests. To receive full consideration, all materials must be received by January 12, 2004. New Mexico Tech is an equal opportunity/affirmative action employer.