

The University of Texas at Austin Center for Integrated Seismicity Research (CISR) and TexNet Monitoring Program



BUREAU OF
ECONOMIC
GEOLOGY

The Bureau of Economic Geology at The University of Texas at Austin is leading the creation of a new research program on earthquakes, both natural and induced (or triggered). The Center for Integrated Seismicity Research (CISR) will be a multidisciplinary research center including researchers from the Bureau as well as from the following units of The University of Texas: the Institute for Geophysics; the Department of Petroleum and Geosystems Engineering; the Department of Civil, Architectural and Environmental Engineering; the Stan Richards School of Advertising and Public Relations; and the Department of Psychology. Our goal is to study and understand earthquakes, both natural and induced (or potentially induced) by human activity, and the risks associated with them. We anticipate a vigorous research program that leverages the installation of TexNet, a new seismic monitoring program that also will be acquired and deployed under this effort. Research topics involving regional processes, geomechanics, reservoir engineering, seismic hazard, risk assessment, and risk communication are all expected. The CISR anticipates filling three positions to begin administering this project. These positions, described below, are open for applications.

Principal Investigator Center for Integrated Seismicity Research (CISR)

The Principal Investigator will lead the new Center. Activities include planning and coordinating research and outreach activities; leading and conducting fundraising with industry and government entities; planning and leading meetings with sponsors; preparing annual reports; and representing CISR to the research community, government, industry representatives, and the media. This is an opportunity for an exceptional person to build and lead a world-class research program. Candidates should have a PhD in geoscience, petroleum engineering, or a closely related discipline, with a minimum of 12 years post-PhD experience in a research environment. Also required are a proven record of successful leadership in a research environment in industry or in close collaboration with industry sponsors; a strong record of scientific publication in international journals; research performance; and professional achievement.

Project Manager Texas State Seismology Network (TexNet)

The Project manager will direct the planning, installation, and management of TexNet, a new State-funded seismology network. TexNet will greatly increase the number of seismic stations in Texas, with both permanent and portable instruments. The Project Manager will oversee operations, manage personnel responsible for deployments, analyze data, prepare catalogs, coordinate with USGS and IRIS personnel, develop a website/interface to serve public and industry needs for data and information, and communicate about TexNet and Texas seismicity with the State legislature and other organizations. Candidates should have a Master's degree or PhD and at least 5 years' experience as a seismologist including hands-on experience installing and operating seismometer networks.

Research Scientist Associate Texas State Seismology Network (TexNet)

The Research Scientist Associate will provide substantial field technical support for installing and operating TexNet, including overseeing the network's creation throughout all stages: installation, telemetry, data management, and data analysis. A Master's degree and 3 years of related experience, or a Bachelor's degree and 6 years of experience in earth science or a related field are recommended. This individual must demonstrate the abilities to (1) work effectively both in groups and independently, sometimes in difficult field conditions, and (2) manage complex datasets and disseminate results of research projects to professionals.

See <http://www.beg.utexas.edu/employ.php> for more information on these positions and how to apply.

The Bureau of Economic Geology is located in Austin, Texas, and is part of The University of Texas at Austin. The Bureau is an equal-opportunity employer.

Please send inquiries to:

Dr. Michael H. Young, Associate Director, Bureau of Economic Geology, The University of Texas at Austin.

Phone: (512) 475-8830

Email: michael.young@beg.utexas.edu