

Bureau of Economic Geology
Jackson School of Geosciences
The University of Texas at Austin

Postdoctoral position in experimental fracture mechanics/geomechanics of CO₂ reservoir seals

Description: Depending on qualifications, the postdoctoral researcher will conduct rock fracture mechanics testing and triaxial rock deformation experiments of reservoir and seal lithologies with application to CO₂ reservoir seal analysis. This position will be supervised by Dr. Peter Eichhubl (BEG) in collaboration with Prof. Jon Olson and Dr. Jon Holder (Center for Petroleum and Geosystems Engineering, Cockrell School of Engineering), and Dr. Tom Dewers and Dr. Pania Newell (Sandia National Laboratories).

Desired qualifications: Experience in experimental rock deformation with application to reservoir geomechanics.

Minimum qualifications: Recent (<3 years) PhD in geosciences, petroleum engineering, or a relevant discipline with research focus on experimental rock deformation or engineering fracture mechanics. The successful candidates must provide a record of successful collaborative research experiences, and be able to work toward project deadlines with minimal supervision. The candidate must have a demonstrated record of intent to publish and demonstrated fluency in spoken and written English. The successful applicant will be expected to present at meetings with sponsors, present at conferences, author contract reports, and publish in international journals.

The position is available immediately, for an initial duration of 2 years, with the possibility of renewal for an additional year based on satisfactory progress and availability of funds. The successful candidate will join a multidisciplinary team of scientists and engineers at the Bureau of Economic Geology <http://www.beg.utexas.edu/>, the Center for Petroleum and Geosystems Engineering <http://www.cpge.utexas.edu>, and at Sandia National Laboratories <http://www.sandia.gov/>. UT offers competitive salary and benefits, a collaborative research environment, and the facilities of a large research university.

To Apply: Applicants must send a *combined* electronic (pdf) file containing a letter of application, resume with record of publications and a summary of previous research experience, brief statement of professional goals with an emphasis on research objectives, and names and addresses of three professional references via e-mail to Dr. Peter Eichhubl, peter.eichhubl@beg.utexas.edu. Applications will be reviewed until the position is filled. The position may remain unfilled if suitable applications are not received.

The University of Texas at Austin is an Equal Opportunity/Affirmative Action Employer. All positions are security-sensitive; conviction verification is conducted on applicants selected.