

## **Research Scientist - Experimental Geomechanics & Rock Physics**

### **CSIRO - Kensington (Perth) Western Australia (Perth Area, Australia)**

#### **Job Description**

- World class laboratories and multi-disciplinary teams
- Apply geomechanical skills to the energy industries
- Interact with industry and publish internationally

#### **The position:**

CSIRO Earth Science and Resource Engineering (CESRE) requires a research scientist with expertise in experimental geomechanics and rock physics to join a dynamic rock properties team with diverse expertise. CSIRO has world class Experimental Rock Mechanics and Petrophysics Laboratories and a research group with skills in experimental and field geomechanics, geomechanical modelling, experimental rock physics and modelling, acoustic emissions, experimental and log-based petrophysics plus characterization of rocks from bulk- to nano-scale.

Based at the Australian Resources Research Centre (ARRC) in Perth, the appointee will primarily be engaged in research projects investigating geomechanical properties and elastic response of rocks to deformation and flow. The appointee will work in a multi-disciplinary environment and will be required to integrate rock mechanics and rock physics data with compositional, petrophysical and other rock properties data. Current projects include 4D seismic feasibility studies, evaluation of CO<sub>2</sub> storage sites, fault reactivation, unconventional gas, shales and commercial projects for industry.

CSIRO is an exciting and stimulating workplace with challenging projects, excellent career development, a high level of autonomy, and access to the latest research and state-of-the-art technology. The successful candidate will embrace the opportunity to work with an excellent team of geoscientists, engineers and technicians to deliver results of international significance.

#### **Specifically you will:**

- work with current CSIRO scientists and technicians to produce high quality experimental results;
- analyse data and produce reports;
- publish and present research outcomes;
- attend and participate in project meetings, as well as national and international conferences, workshops and visits to industry sponsors;
- ensure the safe operation of facilities operating at elevated pressures, with compressed gases, and involving x-ray sources, and work to make continual improvements in HSE.

**Location:** Kensington (Perth) Western Australia

**Salary:** AUD89K - AUD96K plus up to 15.4% superannuation (Pension Fund)

**Tenure:** 2 year term

**Ref No.:** WA12/02375

Applications close Thursday 27 September, 2012 (11:30pm Perth time)

<http://csiro.nga.net.au>