# Position Description

## Research Projects – CSOF4

The following information is for applicants

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| Advertised Job Title**:** | Structural Geologist |
| Job Reference: | 58818 |
| Relocation Assistance**:** | Will be provided to the successful candidate if required. |
| Applications Are Open To: | Australian/New Zealand Citizens and Australian Permanent Residents Only |
| Percentage of Client Focus - Internal: | 30% |
| Percentage of Client Focus - External: | 70% |
| Reports to the: | Team Leader, Mining Geoscience, ENERGY |
| Number of Direct Reports: | 0 |
| Name and Contact Details For Applicant Enquiries | Dr Marc Elmouttie via email: Marc.Elmouttie@csiro.au |
| Contact Details For Applying | Call 1300 984 220 or email [careers.online@csiro.au](mailto:careers.online@csiro.au). |
| How to Apply: | Please apply online at [jobs.csiro.au](https://jobs.csiro.au/) and enter the requisition number**.** Internal applicants please apply via ‘Jobs Central’ through the ‘People Hub’ icon |

## Role Overview:

Research Projects staff in CSIRO collaborates in scientific and technological activities with other research staff usually by assisting with detailed planning, undertaking or assisting with experimental, observational or technology development work, and in carrying out the more practical aspects of the work. Research Projects staff may be involved in providing consulting services, science management and/or industry liaison.

We are seeking a junior-level structural geologist to play a supporting role in coal mining geoscience related research, and bring new capability to enhance the integration of geology, structural geology and geomechanics in coal mining research.

## Duties and Key Result Areas:

* Carry out field work individually and or part of the team to complete research and to support project requirements for the Coal Mining Program.
* Acquisition, interpretation and analysis of field data including geology, structural data and geophysical data.
* Interpretation of geological information such as geological logs, geophysical logs, seismic data, maps, records and drawings, and identifying key structures and associated geological factors.
* Applying structural geological interpretations to the planning, design and implementation of field geotechnical and geo-environmental investigations.
* Conducting research using geological modelling software and empirical methods in coal mining research with structural geological focus.
* Communicate effectively and respectfully with all staff, clients and suppliers in the interests of good business practice, collaboration and enhancement of CSIRO’s reputation.
* Work as part of a multi-disciplinary, often regionally dispersed research team, to carry out tasks under limited direction in support of scientific research.
* Work collaboratively with colleagues within your team, the business unit and across CSIRO, to reach objectives.
* Allocate activities, direct tasks and manage resources to meet objectives.
* Foster open communication, provide coaching and on-the-job training to both support and research colleagues, as required, and provide recognition and acknowledgement for staff achievements.
* Adapt and/or develop original experimental methods/equipment/software/concepts/ ideas in support of existing and further research.
* Adhere to the spirit and practice of CSIRO’s Code of Conduct, Health, Safety and Environment plans and policies, Diversity initiatives and Zero Harm goals.
* Other duties as directed.

## Competencies:

1. **Teamwork and Collaboration: Cooperates with others to achieve organisational objectives and may share team resources in order to do this. Collaborates with other teams as well as industry colleagues.**
2. **Influence and Communication: Uses knowledge of other party's priorities and adapts presentations or discussions to appeal to the interests and level of the audience. Anticipates and prepares for others reactions.**
3. **Resource Management/Leadership: Allocates activities, directs tasks and manages resources to meet objectives. Provides coaching and on the job training, recognises and supports staff achievements and fosters open communication in the team.**
4. **Judgement and Problem Solving:** Investigates underlying issues of complex and ill-defined problems and develops appropriate response by adapting/creating and testing alternative solutions.
5. **Independence: Recognise and makes immediate changes to improve performance (faster, better, lower cost, more efficiently, better quality, improved client satisfaction).**
6. **Adaptability:** Copes with ambiguity or situations that lack clarity. Adapts readily to changing circumstances and new responsibilities (which may include activities outside own preferences) in the interests of achieving team objectives. Recognises the need for and undertakes personal development as a result of changes.

## Selection Criteria:

*Under CSIRO policy only those who meet all selection criteria can be appointed.*

1. Relevant bachelor’s/master’s degree or relevant work experience in Structural Geology/Geology.
2. Apply both theoretical knowledge and practical experience in geology and geological structures and its impact on coal mining in day to day duties.
3. Experience with geological modelling software.
4. The ability to work effectively as part of a multi-disciplinary, regionally dispersed research team, and carry out tasks autonomously in support of scientific research.
5. Demonstrated ability & willingness to contribute novel ideas and approaches in support of scientific investigations.

**Additional Criteria for appointment at CSOF4 Level:**

1. Demonstrated experience in completing field work in geology within relevant structural geological knowledge and field experience either individually or with a project team.

## Desirable Criteria:

1. Studying towards or completed a post graduate education (preferably a Ph.D.)
2. Experience in interpretation of geophysical data.
3. Experience in software development.

## Special Requirements:

To be eligible for this position you must be willing and able to travel to mine sites and conduct field work. [Certain roles will require the ability and willingness to undertake specific non-negotiable activities or tasks, i.e. field work, or any other requirement which may affect a person’s ability to undertake the role, such as extended time away, high frequency of trips, remoteness/accessibility of locations, type/intensity of work, working at heights or in enclosed spaces etc.]

Certain positions will require a medical and/or security assessment prior to commencement in the role (e.g. working at sea, secure labs, mine sites etc.)

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