

POSITION TITLE	Postdoctoral Research Fellow – Geometallurgy / Economic Geology
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FACULTY/INSTITUTE/DIVISION	CoSE
SCHOOL/SECTION	CODES (School of Natural Sciences)
CAMPUS	Sandy Bay
CLASSIFICATION	Level B
DATE	23/10/18

POSITION SUMMARY

[Open to Talent](#), the University of Tasmania's strategic plan, sets a bold vision for the future, with high ambitions across the domains of research, students and community. UTAS recognises that achieving this vision is dependent on the people who work for the University.

[Opening UTAS to Talent: The UTAS Academic](#) specifies performance expectations in research, learning and teaching, community engagement and internal service for each academic level and for each discipline area. These performance expectations will inform recruitment to this position and the ongoing obligations of the appointee.

This position will be within CODES & the Collaborative Research Centre for Optimising Resource Extraction (CRC ORE) in the area of Geometallurgy combined with Economic Geology, specifically predictive geometallurgical controls on grade by size.

The position will be responsible for conducting a geometallurgy research program, with the aim to investigate what geological parameters from a range of scales from mineralogy to ore deposit models can contribute to a prediction of which ore types and ore blocks should be tested for grade engineering behaviour.

The University's Statement of Values indicates a commitment to 'working from the strength that diversity brings'. The University is anxious to work towards fulfilling that commitment through its recruitment policies and practices.

POSITION RELATIONSHIPS

Supervisors	CODES Director
Direct reports	None
Other	<ul style="list-style-type: none"> • CODES Research, Technical and Administrative Staff • Chief Investigators and Partner Investigators within CRC ORE • Head of Discipline and staff in Discipline of Earth Sciences and CODES • Head of School of Natural Sciences • Graduate research students within CODES and CRC ORE

	<ul style="list-style-type: none"> • Members of other University Schools/Sections • Partner Organisations and Other Organisations
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KEY ACCOUNTABILITIES AND OUTCOMES

1.	Make an effective and sustained contribution to the University in achieving its strategic objectives and fulfilling its operational responsibilities.
2.	Undertake high-quality research of national standing, publish research findings and contribute to the successful supervision of research higher degree students, to meet and regularly exceed the University's research performance expectations for Level B.
3.	Undertake scholarly undergraduate coursework teaching of a high quality, including contributions to the geometallurgy and ore deposits Masters short courses, and undergraduate Environmental Geology Courses; Supervise Honours and PhD/MSc/MEconGeol students.
4.	Contribute to the development and maintenance of productive and effective links inside the University, and locally and nationally with the discipline, relevant interdisciplinary domains, profession, industry and/or wider community, including the delivery of training and technology transfer workshops to industry and community presentations.
5.	In collaboration with CODES and CRC ORE, identify and manage any IP and commercialisation issues stemming from the CRC ORE research project.
6.	Compile and edit contributions for the CRC ORE annual report of research activities relevant to geometallurgy and contribute to social media output and other community outreach strategies as required.
7.	Active participation in the governance of CODES through membership of the CODES research committee, together with leadership of, and contribution to, individual CODES research projects
8.	Undertake other duties as assigned by the supervisor.

DECISION MAKING AUTHORITY/LEVEL OF RESPONSIBILITY

Under the broad direction of the supervisor and within the context of the University's policies and performance expectations, the appointee has a substantial degree of autonomy.

POSITION CRITERIA

Essential Requirements

1. A PhD or equivalent in a relevant field.
2. Demonstrated ability to undertake research that has achieved national and/or international recognition and made worthwhile contributions to the fields of

Geometallurgy, Economic Geology and/or hydrothermal ore deposit characterisation.

3. Experience with geometallurgical analyses, and the interpretation of geometallurgical data from geochemical and physical property measurements.
4. Extensive experience with ore deposit mineralogy, textures and paragenesis.
5. A record of contributing to building and maintaining effective and productive links locally and nationally with the discipline, profession, industry and wider community.
6. Demonstrated high-level English language oral and written communication skills.
7. Demonstrated capacity to deliver research results via oral presentations at national and/or international conferences and/or to industry sponsors.
8. Demonstrated track record to publish research in international journals and/or of writing professional technical industry reports.
9. Experience with industry engagement and participating in industry-funded research

Desirable Attributes

1. Experience in University-level teaching and learning and contribution to the supervision of Honours and post graduate students.
2. Demonstrated success in securing external competitive and/or industry funding.
3. Demonstrated ability to work in a team-based research environment
4. Expertise in microanalytical techniques (e.g., XRD, SEM, electron microprobe)

WORKPLACE HEALTH AND SAFETY

- All staff will assist the University to create and maintain a safe and healthy work environment by working safely, adhering to instructions and using the equipment provided in accordance with safe operating procedures. Where appropriate, staff will initiate and participate in worksite inspections, accident reporting and investigations and develop safe work procedures.
- All supervising staff are required to implement and maintain the University's WHS Management System in areas under their control, ensuring compliance with legislative requirements and established Policies, Procedures and Guidelines and, provide the appropriate information, instruction, training and supervision.
- Staff will inform their supervisor of any unsafe working practices or hazardous working conditions

STATEMENT OF VALUES



We subscribe to the fundamental values of honesty, integrity, responsibility, trust and trustworthiness, respect and self-respect, and fairness and justice. We bring these values to life by our individual and collective commitment to:

- * Creating and serving shared purpose
- * Nurturing a vital and sustainable community
- * Focusing on opportunity
- * Working from the strength diversity brings
- * Collaborating in ways that help us be the best we can be