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| Position Title | Research Fellow |
| Classification | Level B |
| School/Division | School of Engineering |
| Centre/Section | Department of Civil, Environmental and Mining Engineering |
| Supervisor Title | Professor |
| Supervisor Position Number | SR |
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Your work area

The discipline of Environmental Engineering sits within the Department of Civil, Environmental and Mining Engineering, in the School of Engineering. The discipline is a research-intensive group, with strong links to industry. Our School is committed to producing graduates that are technically highly skilled, cognizant of the environment in which they work and aware of the financial, social and environmental challenges of the 21st Century.

Reporting structure

Reports to: Professor

Your role

As the appointee, you will work in close collaboration with Professor Carolyn Oldham (UWA), Dr Chantal Bourgault (UWA) and Associate Professor Andrew Knight (Curtin University) on a project within the Cooperative Research Centre for Transformations in Mining Economies (CTC TiME). The project uses trans-disciplinary approaches across environmental engineering, Aboriginal engagement, land and water rehabilitation, Aboriginal research methodology, organisational and social psychology, science communication and environmental regulation and policy.

You will be involved in planning, conducting and reporting on research, working collaboratively with multiple stakeholders, including Aboriginal people on Country, and producing common language communication tools appropriate for different stakeholder groups. You will facilitate stakeholder collaborations to understand their perspectives on, and aspirations for, mine pit lakes after mine closure.

Your key responsibilities

Develop several pit lake / mine closure case studies from around Australia, including exploration and analysis of the perspectives and aspirations of Aboriginal people, local communities and mining sector professionals for post mining use of pit lakes.

Produce 'common language' tools, e.g. audio-visual material, around opportunities and risks associated with pit lakes. Appropriate material will be developed for different stakeholders.

Use participatory action research to explore strategies for engaging with Aboriginal people and local communities on their preferred use of mine pit lake water and landforms post-closure. Two

study sites will be selected for in-depth collaboration with communities; one site will be in the Pilbara and one in the Bowen Basin.

Develop tools for improved communication amongst cross-business professional teams on issues associated with mine pit lakes, to inform decision-making.

Other duties as directed.

Your specific work capabilities (selection criteria)

PhD in an academic field relevant to the discipline or other higher professional qualifications or experience relevant to the discipline

Demonstrated experience in sophisticated relational work, across multiple stakeholder groups in cross-cultural, cross-agency and cross-disciplinary settings.

Demonstrated experience in developing creative processes and outputs in the context of research e.g. photography, videography, the performing and/or visual arts.

Demonstrated experience in leading participatory action research, or similar co-design methodologies, with Aboriginal and non- Aboriginal communities.

Experience and knowledge of sound and practical application of the ethical and responsible research standards outlined in the Australian Institute of Aboriginal and Torres Strait Islander Studies (AIATSIS) Code, specifically a demonstrated ability and willingness to enact the principles and practices supporting Cultural Safety and Cultural Security working with Aboriginal people.

Experience working in remote locations with Aboriginal communities.

Demonstrated ability to work independently, show initiative, develop projects and solutions, and to work productively and collaboratively as a member of a multi-disciplinary team.

Demonstrated attention to detail, organisational skills, and maintenance of accurate records including data management.

Experience working in the resources sector and / or with an environmental regulator is desirable.

Experience in inter- or trans-disciplinary work is desirable.

Special requirements (selection criteria)

Australian Aboriginal heritage is desirable.

Occasional intrastate (remote locations) and interstate travel for extended periods of time may be required.

Occasional weekend work.

Some after-hours work may be required.

Compliance

Ensure you are aware of and comply with legislation and University policy relevant to the duties undertaken, including:

The University's Code of Conduct hr.uwa.edu.au/policies/policies/conduct/code/conduct

Inclusion and Diversity web.uwa.edu.au/inclusion-diversity

Safety, health and wellbeing safety.uwa.edu.au/