

SEISMIC DATA PROCESSING AND INVERSION WITH DISTRIBUTED ACOUSTIC SENSING AND ARTIFICIAL INTELLIGENCE

MINEX CRC PROGRAM 2

Data from Drilling

PHD PROJECT

Curtin University

PREREQUISITES AND INTERESTS

Potential candidate should have at least Masters or Honours degree in one of: Geophysics, Physics or Engineering. The candidate should have good background in signal processing and also experience in programming.

PRIMARY SUPERVISOR

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CO-SUPERVISORS

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PARTICIPATING ORGANISATIONS



RESEARCH PROJECT

The main aim of the project is to improve the processing of data from Distributed Acoustic Sensors (DAS). DAS measures strain (rate) over a certain gauge length, the seismic wavefield captured by this sensor is different from traditional seismic sensors - the processing of the data should be modified to account for these differences.

As Project 5 deals with big quantities of DAS data, this project is well aligned with the MinEx CRC work and goals.

