

ARE YOU INTERESTED IN A RESEARCH CAREER
IN THE MINERAL EXPLORATION INDUSTRY?

JOIN THE MINEX CRC POSTGRADUATE PROGRAM

Be part of a revolution in exploration science that will deliver the next generation of mineral discoveries.

Help develop technologies for more effective, safer and environmentally friendly mineral exploration.

CUTTING EDGE RESEARCH...

Work in the world's largest collaborative effort in mineral exploration research, bringing together global leaders in geosciences, engineering and sensing technology at the forefront of exploration science.

Develop new technologies to measure and understand complex Earth systems.

Grow your knowledge and experience within multi-disciplinary research teams.

Engage in a culture of innovation – where great ideas underpin practical solutions.

...WITH IMPACT

MinEx CRC research is driven by real-world challenges defined by our resources industry and government.

Research outcomes have a pathway to market via service provider and end-user partners.

PROVIDING EXPANDED CAREER OPTIONS

MinEx CRC post-graduate projects are industry-linked, with co-supervision and mentorship from industry professionals.

Practical, hands-on experience in industry environment

Open multiple doorways - to an academic, government or industry career.

Develop skills in innovation, entrepreneurship and communication.



PROJECT AREAS

DRILLING TECHNOLOGIES

- Drilling optimisation and automation
- Real-time downhole sensing of drilling parameters
- Innovative drilling and sampling technologies for mineral exploration

DATA FROM DRILLING

- Cutting edge sensing and in-field analytical techniques
- Real-time subsurface reconstruction from geophysical logging whilst drilling
- Novel seismic exploration methods
- Data science applied to exploration in complex systems
- 3D prospectivity and uncertainty analysis

NATIONAL DRILLING INITIATIVE

- Data from frontier, never-before-sampled geological terranes
- Continent to camp-scale geological architecture and evolution
- Geologic fundamentals of mineral systems
- Geophysical and geochemical expression of mineral systems in Earth science data
- Novel, integrated isotopic and geochronological techniques
- Mineral deposit vectoring from integrated regional geology, geophysics, geochemistry, geochronology, regolith studies and hydrogeochemistry.
- Data science techniques for multi-dimensional and multi-scale prospectivity analysis and ore system targeting

OUR MISSION

All MinEx CRC Postgraduate projects are clearly aligned with our Mission to:

1. Demonstrate Australia as a destination country for mineral exploration
2. Develop more productive, safer and environmentally-friendly drilling methods for mineral deposit discovery and drill-out
3. Develop new technologies for collecting data while drilling
4. Implement a world-first collaboration of Geological Surveys, research and industry that will undertake drilling in under-explored areas of potential mineral wealth within Australia.

**WE ARE SEARCHING FOR COMMITTED,
PASSIONATE AND TALENTED
POSTGRADUATE STUDENTS TO
JOIN US IN THIS CHALLENGE.**

**OPPORTUNITIES FOR PROJECTS
STARTING 2021 TO 2024.**

FOR MORE INFORMATION:

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Majors, METS and Survey Participants



Research Participants and Affiliates

