

# PhD Scholarships

## Carbon Capture and Storage

School of Chemical Engineering, UNSW

Cooperative Research Centre for Greenhouse Gas Technologies (CO2CRC)

The School of Chemical Engineering in conjunction with the School of Petroleum Engineering at the University of New South Wales has a significant research group investigating the economics of capturing CO<sub>2</sub> from industrial sources and injecting it into underground reservoirs in Australia. This research is part of the work of the Cooperative Research Centre for Greenhouse Gas Technologies (CO2CRC), which is a joint industry / Australian Government sponsored program that brings together the work of research institutions, Government agencies and private companies in Australia and overseas.

The project team is seeking PhD candidates to join our research team. Your role will be to:

- Develop methods and frameworks for assessing the capture of CO<sub>2</sub> from different large-scale stationary emission sources using different capture technologies.
- Identify options for optimising the CCS (carbon capture and storage) network chain.
- Contribute to the communication of research outcomes through papers, seminars and conference presentations.
- Collaborate with colleagues in organisations linked to the CO2CRC.

### Eligibility criteria

#### Essential:

- An honours degree or equivalent in chemical, petroleum or process engineering
- Strong computational skills
- Demonstrated ability in process/project design, modelling or assessment
- The ability to work well with others in a team
- Excellent oral and written communication skills
- Knowledge of EEO/AA principles
- Knowledge of OH&S responsibilities and commitment to attending relevant OH&S training

#### Desirable:

- Industrial experience in power generation or gas processing in the petroleum or chemical engineering industries
- Familiarity with economic modeling

Enquiries may be directed to Dianne Wiley on telephone +61 2 938 54755, or email [dwiley@co2crc.com.au](mailto:dwiley@co2crc.com.au)

### Application procedure

Applicants must include copies of academic transcripts, a resume and an application letter addressing the eligibility criteria. Applications may be submitted by email or by post to:

Professor D Wiley  
[dwiley@co2crc.com.au](mailto:dwiley@co2crc.com.au)  
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Australia