



# PhD Scholarship: Atmospheric Chemistry

## CENTRE FOR ATMOSPHERIC CHEMISTRY

The Centre for Atmospheric Chemistry (CAC) in the Faculty of Science, Medicine and Health (SMAH) at the University of Wollongong offers opportunities for at least one highly motivated PhD student to work on the project *Novel techniques for interpreting atmospheric variability and its drivers*. The project(s) will focus on atmospheric variability of greenhouse gases and related species.

The PhD project(s) will sit within a 4-year program looking at using ground-based remote sensing, *in situ* surface measurements and AirCore measurements to assess spatial and temporal variability in the atmosphere on local to regional scales. The full-time, fixed-term (3-year with possibility of 6-month extension) position(s) are available for commencement before October 31, 2019, and are supported by project funding from the Australian Research Council and through the University of Wollongong. Each position provides a tuition scholarship, a tax-free stipend, and funding for research expenses and conference travel.

Applicants should have (or expect to have by the time of commencement) an honours/master's degree or a bachelor's degree with research experience in atmospheric science, applied mathematics, earth sciences, physical chemistry or physics. Experience and/or aptitude with scientific programming and/or instrumentation is preferred but not essential. An ability to work independently to realise project goals is expected. Women, minorities, and members of other underrepresented groups are strongly encouraged to apply.

The successful applicant will have the opportunity to work collaboratively within Australia and in international networks such as TCCON and GEOS-Chem, with collaborators at the University of Melbourne, North American and European universities and research institutes. The positions will remain open until filled and start dates are flexible, but preference will be given to applicants who apply before July 31, 2019 and can commence before October 31, 2019.

The exact topic of study has some flexibility and will be designed in consultation with the student within the research interests of CAC. Further information regarding CAC and the types of projects available can be obtained from: <http://smah.uow.edu.au/cac/index.html> and <https://www.uow.edu.au/~ndeutsch/projects.html>.

To apply, please contact Dr. Nicholas Deutscher ([ndeutsch\[at\]uow.edu.au](mailto:ndeutsch[at]uow.edu.au)) with copies of academic transcripts, a curriculum vitae and the names and contact information of three references. To be considered for the position, please also include the abstract of your honours/master's thesis if applicable, as well as a short statement of your research interests. Enquiries are encouraged, and applicants are welcome to make initial informal contact with Dr Deutscher or any of the academics listed on the CAC website before applying.



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