



WHY CHOOSE POSTGRADUATE STUDY IN WESTERN AUSTRALIA?

WA hosts national and international cutting-edge astronomy facilities, including the Murchison Widefield Array (MWA) and the Australian Square Kilometre Array Pathfinder (ASKAP). Together with South Africa, Western Australia will host the world's largest science experiment, the Square Kilometre Array (SKA) radio telescope. By studying astronomy and astrophysics or related computer science or engineering in Western Australia you will become part of the fast growing, internationally recognised, community of astronomers, computer scientists and engineers at ICRAR who are working with the world on these and many other projects. You will have the opportunity to work with researchers who are helping shape the future of astronomy and conducting research on a wide variety of areas in both radio and optical astronomy, as well as astronomy engineering and information and communication technologies (ICT) or computer science.

SCHOLARSHIPS

There are many options for postgraduate scholarships at both our nodes for both local and international students. The best place to search for them is the scholarship database for each University:

Curtin: scholarships.curtin.edu.au

UWA: scholarships.uwa.edu.au

In addition, we sometimes have merit-based PhD scholarships for talented and motivated students from around the world. Scholarships are advertised on our scholarships page when available: icrar.org/scholarships

STUDENTSHIPS

We also offer summer studentships for undergraduate students or those completing a coursework masters and are thinking about postgraduate research training. Projects last for up to 10 weeks and are a perfect way to get a taste for the work that is going on in WA at the moment. The program is highly competitive and recipients receive a stipend during their time in Perth. Head to icrar.org/studentships for more information and application dates.

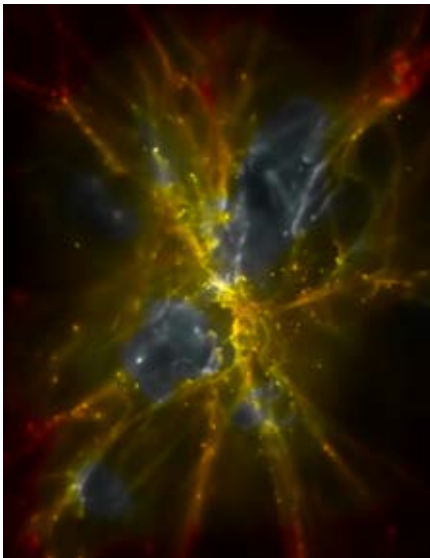


OUR PROGRAM

ICRAR's research is grouped into three overall themes—radio astronomy, radio astronomy engineering and data intensive science. These themes are further broken down into specific areas of research, such as designing computing systems for next-generation radio telescopes, prototyping new radio antenna designs and investigating neutral hydrogen in the Universe. We have a thriving Masters and PhD program, with over 60 PhD students currently studying with our researchers. You can complete a postgraduate degree with ICRAR at either Curtin University or The University of Western Australia.



FOR A CURRENT LIST OF ALL PROJECTS ON OFFER, VISIT [ICRAR.ORG/POSTGRAD](https://www.icrar.org/postgrad)



ASTRONOMY & ASTROPHYSICS

Both Curtin University and The University of Western Australia offer Masters by Research and PhD programs in astronomy and astrophysics. Study at either university offers the opportunity to meet and learn from researchers at both of our nodes.



RADIO ASTRONOMY ENGINEERING

The Curtin University node of ICRAR offers postgraduate study in radio astronomy engineering. Radio astronomy engineering students have the unique benefit of study within an astronomy research environment that is equipped with a full engineering and prototyping lab and a team of technical and engineering staff. ICRAR engineering students also get to work alongside researchers operating the MWA.



DATA INTENSIVE ASTRONOMY

The University of Western Australia node of ICRAR offers postgraduate study in computer science for astronomy. We have a dedicated Data Intensive Astronomy (DIA) team that is working towards deciphering the high-performance computing challenges that come hand-in-hand with modern astronomy. ICRAR DIA students work on projects that have an astronomy theme, such as large databases, data visualisation, astronomical simulations and GPU programming.

LEARN MORE

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