

Position Title:	Senior Research Fellow
Position Classification:	Level C
Position Number:	NEW
Faculty/Office:	Office of the Deputy Vice-Chancellor (Research)
Centre/Section:	International Centre for Radio Astronomy Research (ICRAR)
Supervisor Title:	Professor
Supervisor Position Number:	306979

Your work area

ICRAR is a WA State funded high profile equal joint venture established in 2009 between Curtin University and The University of Western Australia (UWA). The Centre's headquarters are located at UWA, with research nodes at both UWA and Curtin. ICRAR is one of the lead Australian organisations participating in the international Square Kilometre Array (SKA) Project. ICRAR has been further funded from 2019 to 2024 with \$25 Million by the WA State Government and equal contribution from the Joint Venture Universities. ICRAR is one of the largest astronomy organisations in Australia.

Reporting Structure

Reports to Professor Lister Staveley-Smith in his capacity as Science Director.

Your role

We are looking for a highly motivated and suitably qualified candidate to join the science team at the International Centre for Radio Astronomy Research (ICRAR). The successful candidate will work on aspects of observational radio astronomy which have strong connections with ongoing research activity at ICRAR which includes, but is not limited to, ASKAP neutral hydrogen surveys (namely WALLABY, DINGO, FLASH and GASKAP), radio continuum and polarisation surveys with ASKAP (namely, POSSUM and EMU) and MWA, and studies with other SKA pathfinder telescopes. The aim of the research will be to contribute to the understanding of the formation, evolution and interactions of galaxies, and the role of environment in their ongoing evolution. The appointee will work within the relevant science team, and will be expected to interact with other ICRAR national and international researchers who are experts in multiwavelength and theoretical studies.

You will have access to a wide range of observational facilities (including ASKAP and other ATNF facilities, MWA, the AAT, and ESO), as well as to the Pawsey supercomputing centre.

The appointment is fixed term for three years with the potential to transition to an ongoing appointment. Since there may be teaching duties associated with the latter, professional teaching development will be provided.

The Senior Research Fellow will be based at the ICRAR headquarters at the beautiful Matilda Bay campus of UWA. Perth (Western Australia) is listed as one of the world's most liveable cities and offers an excellent ocean-side lifestyle. Due to ongoing travel restrictions, ability to work in Western Australia is essential, so preference may be given to Australian/NZ citizens and residents.

Weblinks:

ICRAR: <https://www.icrar.org>

ICRAR science teams: <https://www.icrar.org/our-research/science-program/>

ASKAP survey science projects: <https://www.atnf.csiro.au/projects/askap/ssps.html>

MWA science: <https://www.mwatelescope.org/science>

Key responsibilities

- Lead world-class scientific research in radio astronomy
- Publish results in international journals of repute
- Communicate research findings at national and international conferences
- Compete for grants to support research outputs
- Engage with ICRAR science and data-intensive astronomy teams
- Engage with national and international research teams and Centres of Excellence
- Develop teaching portfolio
- Supervise Masters and PhD students.
- ICRAR and UWA service duties, consistent with the classification level of the position

Your specific work capabilities (selection criteria)

- PhD in astronomy, or related field, and experience in radio astronomy.
- Ability to work in Western Australia
- Experience in extragalactic or Galactic radio astronomy
- Excellent publication record.
- Excellent oral and written communication skills.
- Demonstrated ability to work independently, and ability to work effectively in scientific collaborations

Compliance

Workplace Health and Safety

All supervising staff are required to undertake effective measures to ensure compliance with the Occupational Safety and Health Act 1984 and related University requirements (including Safety, Health and Wellbeing Objectives and Targets).

All staff must comply with requirements of the Occupational Safety and Health Act and all reasonable directives given in relation to health and safety at work, to ensure compliance with University and Legislative health and safety requirements.

Details of the safety obligations can be accessed at <http://www.safety.uwa.edu.au>

Equity and Diversity

All staff members are required to comply with the University's Code of Ethics and Code of Conduct and Equity and Diversity principles. Details of the University policies on these can be accessed at http://www.hr.uwa.edu.au/publications/code_of_ethics, <http://www.equity.uwa.edu.au>