

VLBI Post-Doc Scientist / Lecturer in Radio Astronomy

College/Division	College of Sciences and Engineering
School/Section	School of Natural Sciences/Physics
Location	Hobart
Classification	Academic A
Reporting line	Reports to Head of Discipline, Physics

Position Summary

The University of Tasmania is building a vision of a place-based University with a mission to enhance the intellectual, economic, social and culture future of Tasmania, and from Tasmania, contribute to the world in areas of distinctive advantage. The University recognises that achieving this vision is dependent on the people we employ as well as creating a people-centred University that is values-based, relational, diverse, and development-focused.

We are seeking to appoint a VLBI Post-Doc Scientist in the [School of Natural Sciences](#) which is part of [the College of Sciences and Engineering](#).

The University of Tasmania operates three geodetic radio telescopes across the Australian continent, the AuScope VLBI array. These telescopes regularly take part in global observations, in coordination with the International VLBI Service for Geodesy and Astrometry (IVS). Besides managing daily operations, guaranteeing good results from our observatories is the most important criteria by which these facilities are judged. Furthermore, the three 12m telescopes are currently being upgraded to VGOS standards, with multiple new systems being tested and implemented.

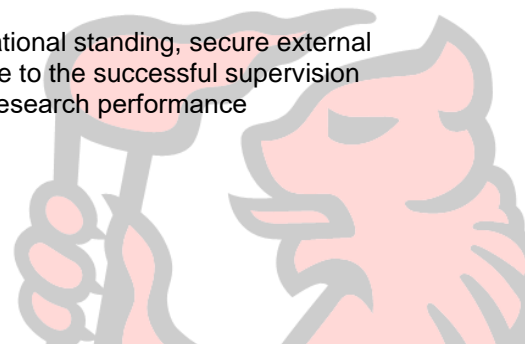
This position will be split into 50% VLBI operations and 50% in a balanced academic workload including research and teaching. The holder of this position will advance UTAS Physics through dedicated research and publications on VLBI operations and its geodetic products, teaching at the honours and undergraduate levels, and supervision of research higher degree students. They are expected to make independent and innovative contributions to the VLBI operations and their integration into University teaching and the UTAS mission.

The appointee will work closely with the Discipline leader for Physics and the AuScope VLBI Array Manager and interact with other academic and professional staff, current and prospective students and HDR candidates in the School and with colleagues from other Universities and research organisations.

We are an inclusive workplace committed to ‘working from the strength that diversity brings’ reflected in our Statement of Values. We are dedicated to attracting, retaining and developing our people and are committed to inclusive principles. We celebrate the range of diverse assets that gender identity, ethnicity, sexual orientation, disability, age and life course bring. Applications are encouraged from all sectors of the community. Tell us how we can make this job work for you.

What You'll Do

- Make an effective and sustained contribution to the University in achieving its strategic objectives and fulfilling its operational responsibilities.
- Undertake high-quality research of national and increasingly of international standing, secure external competitive and other funding, publish research findings and contribute to the successful supervision of research higher degree students, in order to meet the University's research performance expectations for Level A.



- Undertake scholarly undergraduate (and if relevant postgraduate) coursework teaching of a high quality.
- Contribute to the development and maintenance of productive and effective links inside the University and locally and nationally with the discipline, relevant interdisciplinary domains, profession, industry and/or wider community.
- Take responsibilities and a forward-thinking role in the AuScope VLBI project. Represent the project internationally, communicate and coordinate with the IVS, the Asian-Oceania VLBI group (AOV) and other partners. Assist in reporting and advertising, in hosting visitors, guests and research partners.
- Play a role in defining and testing new methods and techniques for international geodetic VLBI observations, data recording and transport, and equipment upgrades. Support a successful implementation of VGOS at the AuScope observatories.
- Undertake other duties as assigned by the supervisor.

What We're Looking For (success criteria)

- A PhD or equivalent in Geodesy, Radio Astronomy or in a relevant field.
- A good record of, and continuing commitment to, research that has achieved national recognition and made worthwhile contributions to the field of space geodesy or radio astronomy, demonstrated by a record of quality publications, presentations at conferences and preferably success in securing external competitive and other funding.
- Experience in University-level teaching and learning.
- A record of contributing to building and maintaining effective and productive links locally and nationally with the discipline and wider community.
- Demonstrated willingness and capacity to work in a team environment.
- Experience in the geodetic VLBI technique is desired but not essential.

Other position requirements

- Willingness for interstate / international travel
- Visiting and working at an observatory environment
- Willingness to undertake a medical assessment based on meeting the inherent position requirements
- Physically being in Australia at the time of application, with an appropriate VISA or entitlement for work.

University of Tasmania

The University of Tasmania is an institution with an enduring commitment to our state and community, and a strong global outlook. We are committed to enhancing the intellectual, economic, social and cultural future of Tasmania. Our [Strategic Direction](#) strongly reflects the University community's voice that our University must be place based but globally connected as well as regionally networked and designed to deliver quality access to higher education for the whole State.

We believe that from our unique position here in Tasmania we can impact the world through the contributions of our staff, students and graduates. We recognise that achieving this vision is dependent on the people we employ, as well as creating a university that is values-based, relational, diverse, and development-focused.

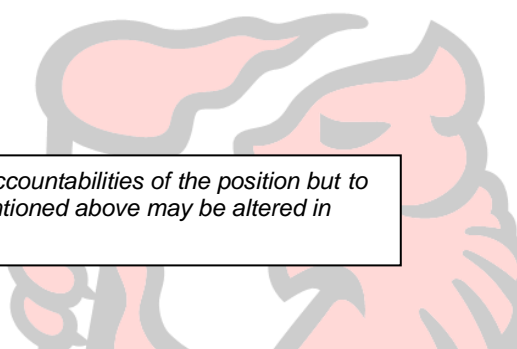
Check out more here:

<https://www.utas.edu.au/jobs>



<https://www.utas.edu.au/careers/our-people-values-and-behaviours>

The intention of this position description is to highlight the most important aspects, rather than to limit the scope or accountabilities of this role. Duties above may be altered in accordance with the changing requirements of the position.



It is not the intention of the position description to limit the scope or accountabilities of the position but to highlight the most important aspects of the position. The aspects mentioned above may be altered in accordance with the changing requirements of the role.