

Tshwane University of Technology and Stellenbosch University Joint Astrophysics Postdoctoral Research Fellow Call

Applications are invited from suitable candidates for a TUT-SU collaborative postdoctoral research fellowship in the Department of Physics at the Tshwane University of Technology (TUT) and the Department of Physics at Stellenbosch University (SU), preferably starting in November 2026 or early 2027. The programme will allow a successful candidate to spend one year each at TUT and SU working on a coherent and multi-disciplinary research project. Renewal for a second year will be based on satisfactory performance during the first year. The academic hosts are Dr. Nicholas Thantsha at TUT and Professor Yin-Zhe Ma at SU. The Stellenbosch University Astrophysics Group is heavily involved in South Africa's MeerKAT telescope, MeerKAT Extended Array, Hydrogen Epoch Reionization Array (HERA), and have extensive formal collaborations with Atacama Cosmology Telescope, South Pole Telescope, SKA Science Working Groups, FAST and Tianlai telescopes (China). In this round, we are seeking a candidate working in the field of research of radio astronomy and computational cosmology, in particular, in the following research areas:

- Radio Astronomy including radio detection of dark matter, epoch of reionization, and the pulsar timing and polarization array
- Cosmology, including cosmic microwave background Radiation and large-scale structure of the Universe

Minimum requirements:

- A doctoral degree in Physics majoring in Astrophysics, Astronomy or related field obtained within the past five years.
- A proven track record of research publication in accredited or peer-reviewed journals.
- Strong computational skills, good communication skills and working ethics.

Value of fellowship: ZAR 350 000 per annum tax free

Submission: Please send [a single PDF document](#) to Mr. Gui-Fan Pan (guifanpan11@gmail.com) and copy Dr Nicolas Thantsha (thantshanm@tut.ac.za) by the closing date containing:

- (1) Your CV and Publication List.
- (2) Passport or ID copy
- (3) Degree Certificates
- (4) A 3-page statement describing the previous/current research and future plan
- (5) Names and Email addresses for 2-3 referees (included in the CV)

Applicants should also arrange for [the 2 or 3 reference letters](#) to be sent directly to Mr. Gui-Fan Pan by the same closing date. An incomplete application will not be accepted.

Enquires: Please send your question via email, to Professor Yin-Zhe Ma (mayinzhe@sun.ac.za) and Dr. Nicolas Thantsha (ThantshaNM@tut.ac.za)

Closing date: **23 October 2026**