

## **Senior postdoc position in high-energy / multi-wavelength astrophysics at the NWU**

The Centre for Space Research at North-West University (NWU), Potchefstroom, South Africa, is seeking outstanding candidates for a senior postdoctoral fellowship in high-energy / multi-wavelength astrophysics. The appointments are initially for 1 year, renewable up to 2 - 3 years, depending on performance and funding availability. The fellowship is ZAR466 704 p.a. (significantly higher than a usual postdoc fellowship in South Africa, and income-tax-free), with a once-off ZAR20 000 relocation allowance plus a ZAR40 000 p.a. research allocation.

A Ph.D. in astronomy / astrophysics or a closely related field is required. The ideal candidate should have prior postdoctoral experience, be under 45 years of age, and within 5 years of their PhD graduation date.

The research activities should focus on observational or theoretical high-energy and multi-wavelength astrophysics. The postdoc will work with prof. Christo Venter on modelling of broadband pulsar, pulsar binary, and pulsar wind nebula emission, as well as observational / theoretical work on pulsars and fast radio bursts. The CSR's Pulsar Group has links with H.E.S.S., CTA, *Fermi* LAT, SALT, and MeerKAT projects.

Institutional expectations include:

- publication of 4 refereed journal papers p.a.
- co-supervision of at least 1 M.Sc. or Ph.D. student p.a.
- participation in grant proposal writing - at least one submission p.a.
- a moderate amount of administration.

Applicants should send a CV, publication list, summary of past research, research plan to [Christo.Venter@nwu.ac.za](mailto:Christo.Venter@nwu.ac.za) and organize and 3 referee letters to be sent to the same email address no later than 28 February 2024. The position will start on 1 May 2024 or soon thereafter.