

SARAO call for Hosts/ Supervisors for Postdoctoral Fellowships 2019 - Closing date 16 MAY 2018

SARAO will soon be issuing a call for applications to fill five postdoctoral fellowships in 2019.

The fellowships are awarded for a period of two years, renewable every six months based on progress (plus one additional year if agreed to by the host university, the postdoctoral fellow and the SKA SA).

The value of a postdoctoral fellowship for the current year is ZAR370,000 per annum (non-taxable), and this amount is supplemented by travel and equipment grants. There is no relocation grant for postdoctoral fellowships and fellowships are only tenable at a South African university.

The SARAO postdoctoral fellowship programme supports research that is relevant to the scientific and technical goals of the organization, and for 2019 SARAO will consider applications that propose research in the following priority areas:

Focus Areas for Postdoctoral and Postgraduate Research for 2019

1. Radio Pulsar and Fast-Transient science, instrumentation and data analysis (including real-time RFI detection).
2. Real-time Signal Processing instrumentation for Radio Astronomy, specifically using FPGA and GPU platforms.
3. Radio Astronomy antennas and receivers.
4. Big Data topics, including the development of hardware and middleware platforms.
5. Instrumentation and systems for Radio Frequency Interference (RFI) detection and data analysis/archival/interrogation/visualization.
6. Science topics that involve the exploitation of MeerKAT data projected to be available by 2019-2020. (Multiwavelength projects that are directly linked to approved MeerKAT Large Survey Projects will be considered.)
7. Epoch of Reionization and Intensity Mapping data reduction and analysis.
8. Interferometric Data Processing and Analysis, including calibration and imaging.
9. VLBI science, instrumentation, observations and data processing (astronomy, astrometry and geodesy applications).
10. C-BASS South data processing and C-BASS all-sky data analysis.
11. LSST science in the context of approved South African LSST PI proposals.

Potential host / supervisor for a postdoctoral fellow in 2019:

If you wish to be listed on the call for applications as a potential host / supervisor for a postdoctoral fellow in 2019, please complete the following Google Form (recommended) - https://docs.google.com/forms/d/e/1FAIpQLSfjV-59MhSNb-1TST9ykNI5RR3TPdkXz34uMZ-62xhCmLAFkA/viewform?usp=sf_link - and click "Submit" once you are done, alternatively, please send the following information to lgura@ska.ac.za (as a **PDF document** – not in the body of an email) by no later than **17h00 on 16 May 2018**:

1. Your title and full name
2. Name of university (where postdoctoral fellow will be registered / employed)
3. Your email address
4. Your contact telephone number (optional)
5. Area/s of research for hosting, from the list above