



**HartRAO**

Hartebeesthoek Radio  
Astronomy Observatory

PO Box 443  
Krugersdorp  
1740  
South Africa  
Tel: +27 12 326 0742/7  
Fax: +27 12 326 0756  
E-mail:  
www.careerjunction.co.za

<http://www.hartrao.ac.za>

## EXTERNAL ADVERTISEMENT

**Position: HEAD: DEVELOPMENT LABORATORY**  
**Department: DEVELOPMENT LABORATORY**  
**Division: ENGINEERING**

The Hartebeesthoek Radio Astronomy Observatory (HartRAO) is situated in the Hekpoort / Skeerpoort area, 30 km west of Johannesburg in the Gauteng Province of South Africa. HartRAO is part of the South African National Facility for Radio Astronomy, within the National Research Foundation (NRF). The observatory operates several radio telescopes equipped with multiple microwave receivers, a Satellite Laser Ranger (SLR) and Global Navigation Satellite System (GNSS) base station receivers. Equipment for these instruments is developed and supported on site by engineers in the Development Laboratory and its electronic, microwave and mechanical workshops. HartRAO also supports the South African Square Kilometre Array Project and the development and operation of radio telescopes in the Karoo near Carnarvon in the Northern Cape Province, including MeerKAT, C-BASS and PAPER.

We invite applications for the following position:

### **Head of the Development Laboratory**

The position is occupied by an Electronic Engineer, or equivalent.

Requirements for the position:

A BSc (Eng) or MSc (Eng) in electronics, or international equivalent, is essential. Applicants must have hands-on experience in computer-aided analysis and design of electronic systems. Experience in microwaves and automated measurement and control would be added advantages.

Key responsibilities:

- Management of the purchasing, development, upgrading, testing and operational support for the research systems and instrumentation supporting the radio astronomy and space geodesy research.
- Management of the electronic, microwave and mechanical workshops.
- Development, testing and operational support of electronic systems.
- Supervision of engineering and technical staff.
- Training engineering and technical students and junior technical staff.

Research systems operated by the observatory function 24 hours a day. Supporting these systems and those off-site may involve work out of normal working hours and sometimes away from Hartebeesthoek.

Applicants must be able and willing to ascend the structure of the 26-m radio telescope and other antennas.

We offer a negotiable cost to company salary package. Included in the package are medical and pension benefits, as well as group life insurance scheme, and ample leave and sick leave privileges.

For further information see the HartRAO website (<http://www.hartrao.ac.za>) and South Africa's SKA website (<http://www.ska.ac.za>).

Suitably qualified applications should be done through career junction at [www.careerjunction.co.za](http://www.careerjunction.co.za) or to the addresses above by 18 June 2010.