

***Are you a quality driven individual?
Do you have a passion for perfection?***

If you answered Yes to these questions, you could be just the individual we are looking for.

**Scientist/Engineer: Thermometry
Salary Range R 504 875.64 to R 789 654.65 per annum (All inclusive)**

OVERVIEW OF THE ORGANISATION:

The NMISA is a Type 3A Public Entity established in accordance with the Measurement Unit and Measurement Standards Act, No. 18 of 2006 (the Act). The NMISA is mandated by the Act to provide for the use of the international system of units (the SI) and other measurement units in South Africa, to maintain national measurement standards (NMS) and to determine and ensure the comparability of the NMS. More information can be obtained from www.nmisa.org

THE POSITION:

A vacancy exists for a Scientist/Engineer in the Physical Electrical Metrology Division of NMISA to research, develop, realise and maintain National Measurement Standards for contact and radiation thermometry and disseminate traceability from these standards to industry, thereby supporting South African trade.

EDUCATIONAL QUALIFICATIONS AND EXPERIENCE:

- BSc Honours or BEng Honours degree in Physics, Mechanical or Electrical Engineering
- A minimum of 5 years working experience in an appropriate technical field
- Maintenance of measurement standards and related systems in an appropriate technical field
- Proven track record in Research and development, Publish and present research outputs
- A good track record of outputs/successful technical projects
- Computer literacy including basic programming skills
- Ability to network on local and international level
- Working knowledge of Quality Management Systems and understanding of ISO/IEC 17025 will be an added advantage

MAJOR CHALLENGES AND RESPONSIBILITIES:

- Maintenance of traceability for national measurement standards, secondary and working standards in the areas of responsibility.
- Liaise with international NMIs and perform international comparisons as relevant to the areas of responsibility.
- Develop systems for upgrading calibrations to the required high level of accuracy and develop new methods and systems to reduce measurement uncertainties.
- Research and development of new calibration techniques.

- Present technical papers at workshops and conferences and in local or international publications, preferably peer reviewed.
- Initiate and contribute to technical and scientific inputs into specialist projects thereby contributing to technical excellence within the NMISA.
- Procure the equipment required for maintenance, development, improvement and research related activities.
- Maintain the accreditation of the laboratory. Add new parameters to the accreditation when required
- Disseminate the traceability to industry through the calibration of measurement equipment, relevant to areas of responsibility.
- Provide technical guidance and consultancy to customers, where necessary, thereby contributing to knowledge transfer to industry.
- Participate in national technical committee activities (SANAS assessments and STC meetings, etc.), thereby contributing to knowledge transfer to industry.

The ideal candidate will be an analytical thinker, fast learner, who is persistent, accountable, persuasive, and attentive to detail, acts with integrity, and has the ability to lead a research projects and take on responsibilities and challenges.

Please note:

NMISA subscribes to and applies the principles prescribed by the Employment Equity Act. Preference will be given to previously disadvantaged candidates who meet the requirements and who will add to the cultural and gender diversity of the organisation. The NMISA is focused on recruiting the following candidates in order of preference: Coloured, African, & Indian.

Interested and suitably qualified persons may forward all supporting documentation required (updated CV, certified educational qualifications, certified academic record and certified ID.) when applying for the position email NMISA Human Resource at careers@nmisa.org Only candidates with all supporting documents will be considered for the position. Clearly indicate which position you are applying for.

People with disabilities are encouraged to apply

Closing date for applications: **29 July 2020**

Correspondence will be limited to short-listed candidates only.

By applying for this position at the NMISA, the applicant understands, consents and agrees that the NMISA may solicit a credit and criminal report from a registered credit bureau and/or the SAPS in relation to positions that require trust and honesty and/or entails the handling of cash or finances and may also verify the applicant's educational qualifications and employment history.