

**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.

**Engineer: Electronic, Mechanical or Mecha-electronics (2 year contract)
Salary Range R 424,708.09 to R 530,885.12 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

PURPOSE OF THE ROLE

To maintain the area/capability of speed calibration for law enforcement equipment with special focus to disseminate traceability from these standards to industry, thereby supporting South African trade

MINIMUM QUALIFICATIONS, SKILLS AND EXPERIENCE

- Qualification:
 - A three-year tertiary qualification in the field of engineering : electronic, mechanical or mecha-electronics engineer
 - A post graduate qualification will be an advantage
- 2-3 years' experience in analytical and numerical calculations (troubleshooting and interpreting) for modelling and designing physical systems.
- The following would be an added advantage:
 - Experience in a calibration laboratory,
 - An understanding of GUM and the Estimation of Measurement Uncertainty,
 - Software experience (for example EXEL, etc.).
 - Experience in technical report writing,
 - Working knowledge of ISO/IEC 17025 and experience in Laboratory Total Quality Management Systems.
 - PC Literacy in Microsoft Office Suite software

DUTIES AND RESPONSIBILITIES

- Procurement of equipment required for maintenance, development, improvement and research related activities in line with public entity procurement legislation and guidelines as captured in the NMISA finance policies.
- Maintenance of service/capability in support of calibration of speed measuring equipment as use in the law enforcement.
- Scientific reporting and record keeping.

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Board Members: Ms Ursula N Ntsubane; Dr Tshengedzeni Demana; Ms Jabu Mogadime; Mr Molelekoa Petrus Mohlomi; Ms Lindie Lankalebalelo; Mr Odirile Dingoko; Mrs Nobom Gcinashe Mfabana; Mr Ndwakhulu Mukhufhi

- Maintenance of laboratory equipment.
- Providing transfer of knowledge to industry by presenting technical papers at workshops and conferences and in local.
- Participate in selected NMISA wide technical forums.
- Provide input and maintain laboratory plans for budget, capital and the NMISA financial system as relevant to the areas of responsibility.
- Comply with the requirements of the NMISA Total Quality Management System and ISO 17025 to ensure process consistency and effectiveness. Maintenance of laboratory quality system and good laboratory practice.
- Estimation of uncertainty of measurement, development of uncertainty budgets and conformance testing.
- Compilation of calibration certificates and technical reports.

PERSON SPECIFICATION

The ideal candidate will possess the following qualities and competencies:

- Good electronic and mechanical dexterity,
- Analytical thinking and problem-solving ability,
- Good judgment and decision-making ability,
- Active learning desire,
- Detail oriented,
- Be methodical,
- Well organised,
- Persistent and dependable in performing tasks,
- Deadline conscious,
- A cooperative attitude, good team player,
- Be able to work with little or no supervision, being self-reliant in order to complete tasks.
- Honesty and ethical behaviour is of the utmost importance when delivering on assigned tasks within the NMISA

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, & Indians.

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: **31 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.

