

***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.**

## **RE-ADVERTISEMENT**

### **MASTERS STUDENTSHIP: PHYSICS EDUCATION**

**Bursary value of R120 000.00 per annum (excluding prescribed registration and tuition fees)**

#### **PURPOSE OF THE ROLE**

To develop a Curriculum for the Revised International Systems of Units (SI) as a Master's degree in **Tertiary Physics Education** in the Department of Physics at the University of Cape Town, within a two-year period.

#### **MINIMUM QUALIFICATIONS, SKILLS AND EXPERIENCE**

- BSc Honours (Physics), or being in the final year of studies for the corresponding Honours degree – preference will be given to candidates with excellent academic track record in the profiling study modules
- Some evidence of physics education activities or studies
- Understanding of physics fundamentals (essential requirement)
- Candidate must meet requirements to study towards a Master's degree in **Tertiary Physics Education** at University of Cape Town (UCT)
- Report writing skills
- MS Word and Excel

#### **PROJECT DESCRIPTION**

The project aims to (1) provide insight into students' understanding of the fundamental constants of nature and how this translates into their understanding of the role of measurement in science; and (2) to produce materials which enhance the teaching of the science of measurement at first year university and high school levels. The rollout of the Revised SI in November 2018 offers a unique opportunity for this project to have wide-reaching effectiveness.

## PERSON SPECIFICATION

The ideal candidate will possess the following qualities and competencies:

- Strong attention to detail
- A keen interest in physics education
- Enthusiastic and self-motivated
- Good reasoning ability focused on problem solving with independent, proactive action
- Good planning and organising skills with analytical approach to work tasks
- Honesty and ethical behaviour are of the utmost importance when delivering on assigned tasks within NMISA and UCT
- Ability to function within a team to achieve a common goal

### **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 Human Capital Development programme, which this Master's Studentship forms part of, is focused on recruiting the following candidates in order of preference: Coloured, Indian, & African.

**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](mailto:careers@nmisa.org) Only candidates with all supporting documents will be considered for the position. Clearly indicate which position you are applying for.**

Closing date for applications: **29 February 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.