



**ACE II**

Eastern and Southern Africa  
Higher Education Centers of Excellence Project



**The Nelson Mandela African Institution of Science and Technology and WISE - Futures**

## Scholarships Opportunity for PhD Degree Programmes starting in 2017

### Introduction

The African Centre of Excellence in Water Infrastructure and Sustainable Energy Futures (WISE – Futures) at the Nelson Mandela African Institution of Science and Technology (NM-AIST) seeks suitably qualified applicants to pursue PhD studies by research in the areas of water, sanitation and energy. WISE - Futures is a newly established centre of excellence funded by the World Bank under its Eastern and Southern Africa Centers of Excellence (ACE II) initiative coordinated by the Inter University Council of East Africa (IUCEA). ACE II project development objective is to strengthen selected Eastern and Southern African higher education institutions to deliver quality post-graduate education and build collaborative research capacity in the regional priority areas. WISE – Futures vision is to provide excellent learning environment for training top-notch Masters and PhD graduates specializing in water, sanitation and energy related fields.

### Who can apply?

Limited number of scholarships are available for outstanding candidates interested in obtaining PhD degree in the following areas: Hydrology and Water Resources Engineering, Hydrogeology, Water Resources Management, Environmental Science and Engineering, Sustainable Energy Engineering, Materials Science and Engineering interested in specializing in Energy Materials.

Female candidates are particularly encouraged to apply. Candidates from the East and Southern Africa are highly encouraged to apply.

### Eligibility

Applicants for the 2017 PhD Scholarships must meet the following requirements:

- BSc degree (A minimum of Upper Second Class) in Water Resources Engineering, Hydrology, Water Supply Engineering, Sanitary Engineering, Environmental Sciences and Engineering, Sustainable Energy Science and Engineering or equivalent related fields such as Applied Mathematics, Geology, Ecology, Agricultural/Irrigation Engineering, Civil Engineering, Hydraulic Engineering, Environmental or Chemical Engineering, Mechanical Engineering, Geosciences etc. The BSc. Degree should have been acquired from any accredited university within Africa or other International Institutions recognized by the Tanzania Commission for Universities (TCU).
- Have an excellent MSc degree in Water Resources Engineering, Hydrology, Hydrogeology, Water Management, Water Supply Engineering, Sanitary Engineering, Environmental Sciences and Engineering, Sustainable Energy Science and Engineering or relevant discipline.
- A good command of communication in English (written and oral)
- Below the age of 40 years
- Have a high degree of computer competence



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- Have the ability to work in multi-disciplinary and international teams
- Be self-motivated and be able to work under pressure to meet deadlines when required
- Must meet the minimum admission requirements as stated on the NM-AIST webpage
- Must have filled the NM-AIST Admission application form for PhD degree programme, available on this link <http://www.nm-aist.ac.tz/documents/document-gallery/application-form.pdf>
- Successful candidates will be applicants with a demonstrated capacity and commitment for conducting original research
- Successful applicants will be offered provisional scholarship, and only fully confirmed after successfully defending their full PhD proposal in six months

### Submitted application should contain

- A max. 2-page motivation letter why they think they should be selected for the PhD degree programme. The motivation letter should indicate their potential research interests
- Up to date Curriculum Vitae
- One page abstract of the applicant MSc degree thesis (500 words max) or a copy of one of your peer reviewed publications
- A recommendation letter from two academic referees
- Certified copies of academic certificates. All applicants holding foreign qualifications must have their qualifications validated and equated by the respective regulatory bodies before being allowed for admissions as follows:
  - ✓ The Tanzania Commission for Universities in respect of University Qualification Framework (UQF) Level 6 to 9 qualifications
  - ✓ The National Council for Technical Education in respect of NTA Level 8 to 9 qualifications
  - ✓ The National Examination Council of Tanzania in respect of certificates of secondary education and teacher education
- A well-developed PhD concept note (3000 – 5000 words including references) in any of the area of focus of WISE – Futures indicated above
- Incomplete documents or failure to follow instructions will automatically lead to disqualification

### Submission of application and deadline

Applications should be sent by email to [wise.postgrad@nm-aist.ac.tz](mailto:wise.postgrad@nm-aist.ac.tz) not later than February 24<sup>th</sup> 2017. Selected applicants will be contacted for interviews soon after.