



## PhD Bursary in Industrial Physics

The Physics Department of Tshwane University of Technology, in collaboration with the Ion Beam Analysis (IBA) division of iThemba LABS, is looking for a suitable PhD (Industrial Physics) candidate to take part in a research project aimed at developing total IBA capability at iThemba LABS. The candidate will focus on development and optimisation of heavy ion nuclear analytical techniques for thin film materials analysis at low (sub-zero) temperatures. Interested persons should meet the following minimum requirements:

- Be in possession of an MSc in Physics or an equivalent qualification at NQF Level 9.
- Have proven hands-on exposure to materials characterisation techniques (RBS, ERDA, SIMS, SEM, XRD, UV-Vis, etc.).

Applicants with the following attributes will be preferred:

- Some programming experience
- Practical knowledge of radiation detectors and related instrumentation

In addition, applicants must have a strong work ethic, be eager to learn and be prepared to work with minimal supervision.

The bursary amount is R120 000 per annum, covering accommodation and living expenses. The successful candidate will be based at iThemba LABS TAMS in Johannesburg.

If interested, please submit an application letter, a full CV and copies of your BSc, BSc Hons and MSc transcripts to: Prof M Msimanga at [MsimangaM@tut.ac.za](mailto:MsimangaM@tut.ac.za)

*Applications are open to South African citizens and permanent residents only.*

**Closing date: 28 February 2020**