



JUNIOR RESEARCH FELLOW

**Metrological and Applied Sciences University Research Unit
Department of Physics**

Faculty of Science

The Metrological and Applied Sciences University Research Unit (MeASURE) within the Department of Physics at the University of Cape Town seeks to fill a 3-year contract position at the rank of Junior Research Fellow. The aim is to strengthen the present and future research activities associated with the fast neutron beam facilities within MeASURE, and to support the broader research and development goals of the research unit. Selection will be informed by evidence of experience in using fast neutron beams for research. An important responsibility will be the day-to-day management of the neutron beam facility ("n-lab") within MeASURE.

Requirements:

- At least two years' experience as a postdoctoral fellow;
- A research track record in fast neutron physics and applications;
- A publication record in neutron/applied physics research;
- Experience in the use of accelerator-driven neutron sources;
- Excellent skills in radiation transport simulation codes (e.g. GEANT4, MCNPX, FLUKA);
- Experience in postgraduate student supervision;
- Ability to pursue own research interests and lead research projects;
- Good interpersonal and communication skills;
- The ability to work as an individual, and also as part of a team;
- Readiness to supervise third-year, Honours-level, MSc and PhD students; and
- Willingness to contribute to research administration within MeASURE.

The annual remuneration package for 2020, including benefits, is R500 000

For further information regarding this position, contact Professor Andy Buffler – Head of Physics Department, and Director of MeASURE, email andy.buffler@uct.ac.za

To apply, please e-mail the below documents in a **single pdf file** to Ms Natasha Khan at recruitment01@uct.ac.za

- UCT Application Form (download at <http://forms.uct.ac.za/hr201.doc>)
- A letter of motivation
- Curriculum Vitae (CV)
- A statement (no more than 2 pages) of your research plans within MeASURE

Please ensure the title and reference number are indicated in the subject line.

An application which does not comply with the above requirements will be regarded as incomplete.

Telephone: 021 650 3469

Website: www.phy.uct.ac.za

Reference number: E200172

Closing date: 13 April 2020

UCT is committed to the pursuit of excellence, diversity and redress in achieving its equity targets. Our Employment Equity Policy is available at www.uct.ac.za/downloads/uct.ac.za/about/policies/eepolicy.pdf. For this post we seek particularly to attract black South African candidates.

UCT reserves the right to not appoint.