LECTURER/SENIOR LECTURER/ ASSOCIATE PROFESSOR

(2 Positions)

Department of Physics

Faculty of Science

The Department of Physics is a dynamic and growing academic department in the Faculty of Science at the University of Cape Town and seeks to fill two permanent academic (teaching plus research) positions at the rank of Lecturer, Senior Lecturer, or Associate Professor.

We seek to strengthen our present and future research experimental activities within both the ALICE and ATLAS collaborations at CERN, through the UCT-CERN Research Centre. UCT is committed to the detector upgrade projects for both collaborations. For the ATLAS ITk, the UCT-ATLAS group leads the design and fabrication of the polymoderator neutron shielding and contributes to the development and production of the EoS electronics readout cards. The ALICE group is currently leading the software development for the Transition Radiation Detector and, together with the other South African groups, will also contribute to the phase IIb upgrade of the ALICE Detector. The Department has close links with the Centre for High Performance Computing, and iThemba LABS national accelerator facility.

Requirements at Lecturer Level:

- A PhD in Physics, or equivalent;
- A research track record in experimental high energy particle physics;
- An ability to teach at both introductory and senior undergraduate level (including service courses and undergraduate laboratories) and give specialist lectures at Honours (4th year) level.

Selection at Senior Lecturer will be informed by evidence of:

- Teaching experience at the tertiary level, and ability to contribute to curriculum development;
- Successful supervision of postgraduate students at Honours, Masters and/or PhD level;
- A research track record that demonstrates recognition, experience (e.g. postdoctoral, industry), productivity and creativity;
- Success in the solicitation of funding for research;
- Experience in departmental-level administration (or equivalent).

Selection at Associate Professor will be informed by evidence of:

- Extensive high-quality teaching experience;
- Involvement and innovation in academic curriculum development;
- Successful supervision experience at both the Masters and PhD level;
- International recognition and leadership in a research area within experimental high energy particle physics;
- Active contribution to Faculty/University-level administration.

Responsibilities:

- Contribute strongly to teaching undergraduate and postgraduate courses;
- Develop own research programme with appropriate training and supervision of postgraduate students;
- Contribute to the well-being of the department;
- Contribute to administration at a rank-appropriate level.

The annual remuneration package, including benefits, is as follows:
At Lecturer level: R853 709
At Senior Lecturer level: R1 027 040
At Associate Professor level: R1 232 882

To apply, please e-mail the below documents in a **single pdf file** to Ms Natasha Khan at recruitment06@uct.ac.za

- UCT Application Form (download at http://forms.uct.ac.za/hr201.doc)
- Motivational letter
- Curriculum Vitae (CV)
- A teaching statement
- A research statement

Please ensure the title and reference number are indicated in the subject line.
An application that does not comply with the above requirements will be regarded as incomplete. Only

shortlisted candidates will be contacted and may be required to deliver a presentation.

Telephone:	021 650 3469
Website:	http://www.science.uct.ac.za
Reference number:	E230133
Closing date:	10 March 2023

UCT is a designated employer and is committed to the pursuit of excellence, diversity, and redress in achieving its equity targets in accordance with the Employment Equity Plan of the University and its Employment Equity goals and targets. Preference will be given to candidates from the under-represented designated groups including candidates with disabilities. Our Employment Equity Policy is available at www.uct.ac.za/downloads/uct.ac.za/about/policies/eepolicy.pdf

UCT reserves the right not to appoint.