



SHUTTLEWORTH POSTGRADUATE SCHOLARSHIP PROGRAMME

Closing date: 30 October 2020

The Department of Mathematics and Applied Mathematics of the University of Cape Town is a large and dynamic department with research taking place in a wide range of directions: (non-associative) algebra, category theory, computational fluid dynamics, cosmology and gravitation, cryptography, dynamical systems, functional analysis, graph theory, group theory, Mathematics education, partial differential equations, quantum gravity and string theory, (algebraic and categorical) topology.

We are offering up to three *Shuttleworth Postgraduate Scholarships* (Honours, MSc & PhD levels) to highly motivated **black South African students**, who aspire to become academics. The *Shuttleworth Postgraduate Scholarship* aims at training the next generation of black South African pure and applied mathematicians by providing a unique learning programme at one of the leading Centres of Mathematics in Africa.

Each *Shuttleworth Postgraduate Scholarship* has a value of **R242 000 per annum to cover fees and living costs**. In addition, each scholar will receive annually **R24 200 for computer equipment and research travel**.

Successful applicants will be expected to participate in the scientific life of the department and will have the opportunity to supplement the scholarship with some teaching and/or tutoring activities.

To apply for this scholarship opportunity, please send by email to Mrs Tanya Hannival (tanya.hannival@uct.ac.za) the following documents:

- A complete CV including any previous research outputs and/ or thesis if any.
- A motivation letter explaining why you want to enter this programme, and a brief description of your research interests.
- Certified copy of ID.
- Certified copies of all academic transcripts and degree certificates.
- Three recommendation letters to be sent separately to Mrs Hannival.

Selected applicants will be interviewed and expected to deliver a 20 minute oral presentation on a mathematical topic of their choice. This year this will be done via Zoom (or an equivalent platform).

An application which does not comply with the above requirements will not be considered.