



## LECTURER: GEOMATICS

Division of Geomatics

School of Architecture, Planning and Geomatics

Faculty of Engineering and Built Environment

The University of Cape Town is in the top rank of Universities in South Africa, and the Division of Geomatics in the School of Architecture, Planning and Geomatics enjoys an international reputation for its activities in the fields of Geodesy, Photogrammetry, Land Tenure/Cadastral Systems, Geo-Information, and Engineering Surveying and is one of the leading Geomatics divisions on the African continent.

The Division invites applications from suitably qualified persons for appointment of a full-time permanent Lecturer position.

### Requirements for the position:

- 4-year Bachelors' degree in Geomatics, Surveying or Geoinformatics.
- a Masters' degree in Geomatics, Surveying, Geoinformatics or related fields.
- a demonstrable ability to carry out spatial data modelling including spatial database design, multi-dimensional spatial data fusion, three-dimensional scene reconstruction.
- evidence of research activity or more than 2 years post-qualification practice experience in remote sensing, photogrammetry or spatial data modelling.
- a demonstrated ability to contribute to the teaching requirements of the Division, or suitable post-qualification industry experience (minimum of 2 years).

### The following will be advantageous:

- Demonstrated ability in spatial data acquisition using terrestrial (including laser scanning), airborne / satellite remote sensing
- A record of peer review publication
- Strong interest in spatial modelling and data integration through programming including aspects such as machine learning, working with big (spatial) datasets and visualisation of spatial datasets.
- An interest in GISc applications related to one or more aspects around engineering and the built environment context including urban planning, engineering, and the built environment, indoor or outdoor mapping, land management, BIM and/or digital twins.
- Registration as a Geomatics Professional in South Africa in at least one of the following categories: GISc, Land Surveying, Engineering Surveying or Photogrammetry.

### Responsibilities include:

- Teaching at undergraduate and postgraduate level, including running student fieldwork camps and tutorial sessions.
- Supervision of postgraduate research.
- Research in line with the requirements highlighted above.
- Administration of courses and representing the Division on relevant committees.
- Engagement with Geomatics related professional organisations.
- Participation on social responsive activities within the Geomatics profession.

The 2022 annual remuneration package, including benefits, is **R805 385**.

**To apply**, please e-mail the documents listed below in a **single pdf file** to Ms Abigail Dixon at [recruitment03@uct.ac.za](mailto:recruitment03@uct.ac.za)

- UCT Application Form (download at <http://forms.uct.ac.za/hr201.doc>);
- Letter of motivation;
- Curriculum Vitae (CV);
- A one-page summary of your teaching philosophy and accomplishments; and
- A one-page summary of your research interests, involvement in research groups and immediate research plan.

An application which does not comply with the above requirements will be regarded as incomplete and will not be considered. Only short-listed candidates will be contacted and may be required to deliver a short presentation to the School.

**Telephone:** 021 650 1673

**Website:** [www.apg.uct.ac.za](http://www.apg.uct.ac.za)

**Reference number:** E220418

**Closing date:** 23 November 2022

*"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. Our Employment Equity Policy is available at [www.uct.ac.za/downloads/uct.ac.za/about/policies/eepolicy.pdf](http://www.uct.ac.za/downloads/uct.ac.za/about/policies/eepolicy.pdf)."*

UCT reserves the right not to appoint.