



## LECTURER/SENIOR LECTURER/ASSISTANT LECTURER (3 POSTS)

### DEPARTMENT OF ELECTRICAL ENGINEERING

### Faculty of Engineering & the Built Environment (EBE)

The Department of Electrical Engineering enjoys an international reputation for its activities in the fields of control engineering, digital electronics, image processing, instrumentation, machines, microwave engineering, power electronics, mechatronics, power engineering, radar and remote sensing, and telecommunications.

Our three Bachelor of Science in Engineering degrees (Electrical Engineering; Electrical & Computer Engineering; and Mechatronics) are accredited by the Engineering Council of South Africa. We have an undergraduate cohort of around 800 students and a postgraduate cohort of around 247 Masters and 64 Doctoral students. We use a range of teaching/learning styles, innovative teaching methods and incorporate information from our research and experience to advance the knowledge of our students.

The Department is seeking to appoint 3 permanent, full-time academics in the fields below. Up to one of the posts may be filled as an *Assistant Lecturer* and would be filled by a person from the designated group as defined in the Employment Equity Act.

1. Computer Engineering;
2. Power Electronics; and a
3. Post to strengthen our expertise in any electrical engineering field with preference in:  
(i) Mechatronics; (ii) Telecommunications; (iii) Radar and Remote Sensing.

We invite suitably qualified persons to apply for these positions.

#### REQUIREMENTS:

*For all positions:*

- A Bachelor's degree in an appropriate engineering discipline.
- A research interest in an area of focus in the department.
- Excellent track record relative to the position.

*For Senior Lecturer:*

- A PhD in an appropriate field.
- Track record in research and/or industrial experience.
- Experience in teaching at undergraduate and postgraduate levels.

*For Lecturer:*

- A PhD in an appropriate field or approaching completion of a PhD.
- Ability to lecture at undergraduate and postgraduate level.

*For Assistant Lecturer:*

- A Master's degree in Engineering or approaching completion of a PhD.
- Excellent potential to meet the requirements for the Lecture level within the 3-year probation period.
- Member of a Designated Group as defined in the Employment Equity Act.

#### ADVANTAGES:

*All positions*

- Experience in teaching at undergraduate and postgraduate level.
- Supervising and co-supervising postgraduate students.
- Relevant industrial experience.
- Professional Engineering registration.
- A proven track record of research projects, securing funding and research publications.
- Experience in management (of courses, staff and/or research projects).

#### RESPONSIBILITIES:

*Teaching*

- Teach appropriate undergraduate and postgraduate courses.
- Supervise/co-supervise postgraduate students.

*Research*

- Conceptualise, lead and execute research related to one of the fields mentioned above.
- Mentoring 4th year Undergraduate, Master's and Doctoral students.
- Develop/expand research collaborations both nationally and internationally.
- Raise research funding, apply for grants from appropriate national and international funding bodies.

*Leadership, management and administration*

- Perform administrative functions at Departmental, Faculty and, if needed, University level.
- Perform administrative functions related to teaching and research projects (i.e. convene courses, manage research teams, manage funding for research, monitor operational expenses, write progress reports, etc).

*Social responsiveness*

- Translate research findings into relevant communities.

The annual remuneration package for 2018, including benefits, is:

**Senior Lecturer** : R786 717  
**Lecturer** : R639 848  
**Assistant Lecturer** : R575 865

For further information regarding this position, contact the Head of Electrical Engineering, Professor Edward Boje (email [janine.buxey@uct.ac.za](mailto:janine.buxey@uct.ac.za)).

**To apply**, please e-mail, in a single pdf file, the documents listed below to [recruitment03@uct.ac.za](mailto:recruitment03@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 1 page) on your research;
- A statement (no more than 1 page) on your teaching philosophy and vision.

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 1673      **Website:** <http://www.ee.uct.ac.za>

**Reference number:** E18298      **Closing date:** 27 August 2018

*UCT is committed to the pursuit of excellence, diversity and redress in achieving its equity targets. Our Employment Equity Policy is available at <http://www.uct.ac.za/downloads/uct.ac.za/about/policies/eepolicy.pdf>.*

UCT reserves the right not to appoint.