



# CHIEF RESEARCH OFFICER

(Full-Time, Fixed term contract up to December 2021)

**Applied Thermofluid Process Modelling Research Unit (ATProM)**  
**EPPEI Specialisation in Energy Efficiency**  
**Department of Mechanical Engineering**  
**Faculty of Engineering & the Built Environment**

The EPPEI Consortium is made up of eight specialization centres hosted at six leading South African universities and conducts research aimed at solving Eskom's technical challenges, while at the same time advancing engineers to post-graduate qualification levels in the area of power plant engineering.

The EPPEI Specialization in Energy Efficiency (EE) forms part of the Applied Thermofluid Process Modelling Research Unit (ATProM) in the Department of Mechanical Engineering, which is situated in the Faculty of Engineering & the Built Environment at the University of Cape Town (UCT).

The Department invites applications from dynamic and suitably qualified persons for the position of Chief Research Officer (CRO) who, together with senior academics, forms part of the Management Committee that leads the Research Unit. The CRO will serve as the academic lead ultimately responsible for academic and strategic development of research projects and courses focused on the goals of EPPEI. This will include supervision of Master's and Doctoral students. The CRO will also be required to spend a portion of his/her time on attracting funding from alternative sources to support the research needs of the Unit.

## Minimum requirements:

BSc Eng or B Eng plus a Doctoral Degree in Engineering **AND, EITHER**

- A minimum of five years' relevant working experience as a senior university academic (at least senior lecturer) with a proven track record of working with industry and specifically the power industry; **OR**
- A minimum of five years' relevant working experience as a senior engineer or consultant in the power industry in a specialised technical role, with a proven track record of working with academic universities.

## Selection will be informed by evidence of:

- Links with industry.
- Demonstrable strategic and conceptual thinking skills.
- Excellent interpersonal, verbal and written communication skills.
- Analytical problem solving ability.
- Technical knowledge of the power plant industry and thermofluid process modelling.
- Understanding of the academic environment and postgraduate supervision.

The annual cost of employment, including benefits, is between **R 800,000** and **R 925,000**.

**To apply**, please e-mail the below documents 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>);
- Motivation Letter, specifically addressing the job requirements; and
- Curriculum Vitae (CV).

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

**Reference number:** E18228

**Closing date:** 4 June 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>. For this post we seek particularly to attract black (i.e. African, Coloured and Indian) South African candidates.*

UCT reserves the right not to appoint.