The Industrial Computational Fluid Dynamics (http://www.incfd.uct.ac.za/) research group (InCFD) is based with-in the Department of Mechanical Engineering at the University of Cape Town (UCT). InCFD was established to develop state-of-the-art computational fluid dynamics (CFD) modelling technology and expertise for the express support of industry. This is done via the uncompromising pursuit of innovation through fundamental research which carries the hallmark of excellence. InCFD is home to the South African Research Chair (SARChI) in Industrial CFD and is in the process of spinning out the company Elemental Numerics (Pty) Ltd.

The Department is inviting applications from dynamic and suitably qualified persons for the position of Principal/Chief Scientific Officer. The successful applicant will be working closely with the research group on the development of the Elemental software as well as industry related CFD projects.

**Purpose of appointment:** The key purposes of the appointment are to assist with the further product development of the Elemental CFD technology, support Elemental’s use within the InCFD research group as well as support industrial consulting projects. The main areas of work are compressible aerodynamics and aeroelastic modelling technology (both full-order as well as reduced order models).

**Requirements:**

The applicant should have:

- For appointment at Principal level: completed a PhD in CFD algorithm development or be in a position to hand in the examination copy by the time of the appointment commencement date. In addition, have submitted a paper on their CFD related work as lead author to an ISI rated journal.
- For appointment at Chief level: completed a Masters in CFD algorithm development or be in a position to hand in the examination copy by the time of the appointment commencement date.
- Have conducted significant incompressible or compressible flow related coding and/or algorithm development and programming, preferably in a CFD code.

**Value and tenure:**

- The total annual remuneration will range from
  - Principal Scientific Officer: R510,000 to R650,000 (UCT pay class 11)
  - Chief Scientific Officer: R258,000 to R350,000 (UCT pay class 10)

- The level of appointment will be commensurate with prior experience.
- The appointment is to commence by 1 July 2017 or as soon as possible thereafter.
- No benefits or allowances are included in the value of the appointment.
- The successful incumbent will be required to comply with the University’s approved policies, procedures and practises as related to Scientific and Technical Officers.

Please email the following documents to Tasha Dilraj at tasha.dilraj@uct.ac.za

- UCT Application Form (download at http://forms.uct.ac.za/hr201.doc)
- Letter of motivation.
- A CV including a list of publications/scholarly output and computer languages proficient at.
- Copies (or certified copies) of academic transcripts (marks achieved during formal degree studies);
- Names (and contact details) of reference from at least two academics who have worked with you.
- Copy of your PhD/Masters abstract.

Only shortlisted candidates will be contacted and may be required to undergo an assessment.

**Telephone:** 021 650 5340  
**Reference number:** E70602  
**Closing date:** 21 June 2017

*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.*