



Department of Chemical Engineering

Catalysis Institute

Michael Claeys

Private Bag X3 · Rondebosch · 7701 · South Africa

Telephone: (021) 650 4440

Email: Michael.Claeys@uct.ac.za

Website: www.uct.ac.za · www.chemeng.uct.ac.za

POSTDOCTORAL FELLOWSHIP IN HETEROGENEOUS CATALYSIS

A postdoctoral fellowship is being offered in the Catalysis Institute in the Department of Chemical Engineering in heterogeneous catalysis in the synthesis gas program of c*change.

Scope of the Research

The intended research is to develop an understanding of specific aspects of Fischer-Tropsch and related synthesis, emphasising catalyst preparation and characterisation.

The Research fellow will have or be required to:

- Specific experience in Fischer-Tropsch synthesis, techniques of product analysis catalyst and nanomaterials, preparation and characterisation, will be given preference.
- As part of the successful incumbent's professional development, assistance with the supervision of relevant undergraduate and post-graduate research projects may be required.
- Assist with the identification of further research opportunities and initiate new post-graduate research projects

In addition, the successful candidate will be encouraged to conduct their self-initiated research during the fellowship tenure under the supervision of **Prof Michael Claeys** and expected to register as a PDF as soon as possible.

Tenure and Value

The fellowship is valued between **R250,000 to R350,000 per annum** and does not include any fringe benefits. The fellowship is renewable for two further years, contingent on satisfactory academic progress and the availability of funds. The University makes an application to the SARS for tax exemption on behalf of the successful candidate.

Conditions of Award

- Eligible applicants must hold a PhD degree in Heterogeneous Catalysis by metal catalysts.
- The PhD must have been granted within the past five years or provide satisfactory evidence that the PhD thesis has been submitted for examination should be provided.
- The successful candidate will be required to register as a Postdoctoral fellow at the University of Cape Town.
- All registered postdoctoral research Fellows are required to comply with the University's approved policies, procedures, and practices of the postdoctoral sector.
- Applicants may not previously have held full-time permanent professional or academic positions.

Application procedure:

Suitable candidates are required to provide the following:

- a letter of application expressing research experience and interests.
- A certified copy of all academic transcripts.
- A full CV, including publications; and
- names and addresses of at least two academic referees with whom the applicant has worked.

Eligible and complete applications for consideration must be submitted via email to **Michael.Claeys@uct.ac.za**.

The University of Cape Town reserves the right to:

- disqualify ineligible, incomplete and inappropriate applications,
- change the conditions of award or to make no awards at all