



AIFMRM

AFRICAN INSTITUTE OF FINANCIAL MARKETS AND RISK MANAGEMENT



Two Postdoctoral Research Fellows at the University of Cape Town

The *African Institute of Financial Markets and Risk Management* (AIFMRM) in the Faculty of Commerce at the University of Cape Town is a graduate institute committed to increasing the extent and depth of expertise in the African financial service industry. The institute is committed to rigorous scholarly research and takes a critical and quantitative approach to the study of financial markets and risk management. AIFMRM is inviting applications for two Postdoctoral Research Fellows. Application deadline is **15 March 2016** and appointments are for as soon as is feasible. The tenure of the fellowship is for one year and renewal for a further year will be considered on evidence of satisfactory academic progress.

Successful applicants will work closely with faculty members in the Institute, and particular Dr. Co-Pierre Georg, on one of the following topics:

Topic 1: Agent-based models of systemic risk

We want to develop an agent-based model of the financial system that can be calibrated to microlevel supervisory data to undertake stress-testing exercises and counterfactual policy analyses. The successful candidate(s) would be part of our interdisciplinary team and can build on a large and existing code base. Access to supervisory data and a possible research visit at a collaborating central bank can be arranged during the time of the fellowship.

Topic 2: Social networks of informal collaboration

Over the past three years we have created a novel and unique database on collaboration among financial economists. The database is extraordinarily rich and the successful candidate(s) would help us realize our existing research agenda and develop it further. Ideally, successful candidate(s) would also help to supervise our group of four research assistants.

Topic 3: The future of the South African economy

The South African economy faces massive challenges and has undergone a substantial transformation over the past twenty years. Still, growth is elusive, and unemployment—and in particular youth unemployment—is rampant. We are looking for someone to support us in a policy-oriented analysis of the root causes and possible remedies of this situation. The ideal candidate would already be familiar with the South African economy and history.

We are open to applications from candidates with a PhD in economics, finance, computer science, mathematics, or closely related fields. For the third topic we are also open for candidates with a background in macroeconomics or economic history.

Requirements

We are looking for up to two postdoctoral researchers who have recently (i.e. within the past five years) completed, or are close to completing, their dissertation in economics, finance, computer science, mathematics, or a closely related field, and who have demonstrated the potential for excellent scholarly work. Applicants may not previously have held a full-time professional or academic post (i.e. they may not have held a tenure-track position before). Postdoctoral fellows receive a fellowship of R240,000 p.a. and no benefits or travel allowances are included in the value of the fellowship. An additional travel allowance of R25,000 p.a. is available for Postdoctoral Researchers. The successful incumbent will be required to comply with the University's approved policies, procedures and practises for the postdoctoral sector.

Application Procedure and Selection

To apply, please send your complete application package, including:

- A letter of application, including areas of expertise, research interests, and experience
- A complete CV including the names and contact details of at least two references
- Copies of academic transcripts

to Co-Pierre Georg (co-pierre.georg@uct.ac.za, African Institute of Financial Markets and Risk Management, University of Cape Town, Rondebosch 7700, South Africa). For further questions and inquiries please contact our admin staff at (aifmrm@uct.ac.za).

Eligible and complete applications will be considered by the Director of the African Institute of Financial Markets and Risk Management.

The University of Cape Town reserves the right to disqualify ineligible, incomplete and/or inappropriate applications. The University of Cape Town reserves the right to change the conditions of award or to make no awards at all.