Position Description

Postdoctoral Fellow

Position Summary

The Postdoctoral Fellow (Level B) will conduct high quality research on the development and computation of a stochastic life-cycle growth model that incorporates fundamental features of emerging economies such as a large informal sector and deficient social protection policies. This role is funded through the ARC Linkage Project on Policy modelling for ageing in emerging Asia: Indonesia and beyond, which is being conducted in collaboration with the World Bank and Indonesian Ministry for Indonesian Ministry of National Development Planning (Bappenas). The position is based at the ARC Centre of Excellence in Population Ageing Research (CEPAR), located at UNSW Sydney.

Established in 2011, CEPAR is a collaboration between academia, government, and industry. Located in the UNSW Business School, CEPAR is administered by the University of New South Wales (UNSW). The Centre includes nodes at the University of Sydney, the Australian National University (ANU), the University of Melbourne and Curtin University. In addition, it has sixteen (16) official partners drawn from industry, government and academia and collaborates with more than forty institutions nationally and internationally. The Centre also has close links with UNSW School of Economics, with three CEPAR Chief Investigators coming from the School (Professor John Piggott, Professor Michael Keane, Emeritus Professor Alan Woodland).

The role of Postdoctoral Fellow reports to Senior Research Fellow Dr George Kudrna and has no direct reports.
Accountabilities

Specific accountabilities for this role include:

- Develop, assess and apply original research concepts for the research aims of the projects.
- Develop and assess models, software, databases and computational techniques for the research project; analyse and interpret data; and communicate results.
- Collaborate with partner organisations and other national and international researchers on the project.
- Produce high quality research working papers, conference proceedings and journal publications in the project research topic areas.
- Present to academic and industry conferences, internationally and locally.
- Assist with the organisation of symposia, conferences and end user activities for presentation of project research outcomes.
- Contribute to the development of applications for competitive funding under the guidance of senior colleagues.
- Mentor and guide students and colleagues and develop the next generation of academics through involvement in supervision of HDRs (as per the norms of the discipline).
- Align with and actively demonstrate the UNSW Values in Action: Our Behaviours and the UNSW Code of Conduct.
- Cooperate with all health and safety policies and procedures of the university and take all reasonable care to ensure that your actions or omissions do not impact on the health and safety of yourself or others.

Skills and Experience

- A PhD in economics, econometrics, or a related discipline or close to completion of PhD.
- Demonstrated track record in research with outcomes of high quality and high impact with clear evidence of the desire and ability to continually achieve research excellence as well as the capacity for research leadership.
- Excellent computing skills and data analysis skills (e.g. expertise in FORTRAN, MATLAB, STATA, etc).
- Familiarity with structural life cycle models or overlapping generations (OLG) models and associated coding.
- Proven commitment to proactively keeping up to date with discipline knowledge and developments.
- A track record of significant involvement with the profession and/or industry.
- Demonstrated ability to communicate research findings as evidenced by conference presentations and invited lectures.
- Demonstrated ability to work in a team, collaborate across disciplines and build effective relationships.
- Evidence of highly developed interpersonal and organisational skills.
- An understanding of and commitment to UNSW’s aims, objectives and values in action, together with relevant policies and guidelines.
• Knowledge of health and safety responsibilities and commitment to attending relevant health and safety training.

**Pre-employment checks required for this position**

• Verification of qualifications

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**About this document**

This Position Description outlines the objectives, desired outcomes, key responsibilities, accountabilities, required skills, experience and desired behaviours required to successfully perform the role.

This template is not intended to limit the scope or accountabilities of the position. Characteristics of the position may be altered in accordance with the changing requirements of the role.