



GENS Africa-UK Trilateral Research Chair

School of Public Leadership, Stellenbosch University

Postdoctoral Fellow Position

Research Theme: Using System Dynamics Modelling in Gendered Energy Transitions

Context

This research is linked to a 5-year research of the Stellenbosch University Africa-UK Trilateral Chair, '*Mainstreaming Gender for Energy Security in Poor Urban Environments*', in short Gender for Energy Security (GENS). Funded by National Research Foundation (NRF) of South Africa and the Newton Fund through the British Council, the GENS Trilateral Research Chair at Stellenbosch University collaborates with Brunel University London and University of Nairobi (<https://gens.sun.ac.za/>). The GENS Trilateral Research aims to advance knowledge on the area of security of energy services in urban poor environments, with a particular focus on gendered energy transitions. Two living labs will be implemented in South Africa (Groenheuwel) and Kenya (Nairobi), where, in collaboration with communities, companies, NGOs and policy makers, interventions to improve energy security will be ideated, developed, and prototyped and tested.

Gendered energy transitions using system dynamics in urban poor environments is an emerging research theme aimed to provide and understanding and informed transition pathways.

As such, the GENS Trilateral Research Chair is seeking 1 Postdoctoral Fellow to work on the following:

- Develop theoretical framework on gendered energy transitions using system dynamics.
- Design and develop gendered energy transition system dynamics model for the GENS Living Lab in the South African case study.

An appointment will be made for not less than 12 months and not more than two years.

The postdoctoral bursary is **R 300 000** per annum which is tax free. No additional benefits since postdoctoral fellows are not appointed as employees.

Tasks

As a postdoctoral fellow the incumbent will work with GENS Trilateral Chair at Stellenbosch University. Prof Josephine Musango will be the academic supervisor, who will work with the incumbent on the specific research questions for the project as well as the overall team in the Chair. The postdoctoral fellow will be expected to write at least one full-length, peer-reviewed journal article, and a conference paper per year. Funding is available to attend at least one international conference provided a paper will be presented.

Requirements

- A PhD from a recognised academic university in an appropriate field of study related to energy transition in an African context (must have graduated within the last five years), preferably with knowledge and experience Energy transitions research Knowledge in the process and development of living labs.
- Advanced system dynamics modelling using VENSIM or STELLA ISee
- Knowledge in gendered energy transitions.
- Good network of international professional, research and training contacts
- Very good command of the English language.
- At least two journal articles published or accepted for publication in peer-reviewed journals.
- Ability to work in a multi-stakeholder environment.
- Knowledge and experience in transdisciplinary research will be an added advantage.

Enquiries:

Prof Josephine Kaviti Musango on jmusango@sun.ac.za

Commencement of duties: As soon as possible, but not later than 1 August 2021

Closing date: Open until filled.

Application procedure: Send a letter of application, accompanied by a comprehensive curriculum vitae, including a list of publications and the names and contact details of at least two referees, to jmusango@sun.ac.za

Referee reports: Applicants should request their referees to forward confidential reports as soon as possible to jmusango@sun.ac.za

The University reserves the right not to make an appointment.