



Urban Modelling and Metabolism Assessment (uMAMA) School of Public Leadership

Postdoctoral Fellow Position

Context

Urban Modelling and Metabolism Assessment (uMAMA – www.sun.ac.za/umama), is a Research Group within the Stellenbosch Centre for Complex Systems in Transitions (CST), which was created to engage with scholars, city decision-makers, urban residents, industry and urban planning and design professionals to enhance the research focus on urban metabolism in African cities.

uMAMA was awarded a grant from Stellenbosch University for one postdoctoral fellow, on a project titled: *Comparative analysis in co-designing energy communities in urban informal settlements: the cases of Mathare, Kasubi-Kawaala and Enkanini*.

The postdoctoral position is part of a larger collaborative research effort titled ‘*Co-designing energy communities with energy poor women in urban areas: case studies in Kenya, Uganda and South Africa*’ (<http://codec.livinglab.co.ke/>) led by Dr Amollo Ambole, Research Group co-Leader of Living Lab at the University of Nairobi, Kenya (<https://www.livinglab.co.ke/>); Prof Josephine Kaviti Musango, Research Group Leader of uMAMA, Stellenbosch University, South Africa; and Dr Kareem Buyana, Researcher at Urban Action Lab, Makerere University, Uganda (<http://ual.mak.ac.ug/>).

An appointment will be made for not less than 12 months and not more than one year.

The postdoctoral bursary is **R 200 000** 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 uMAMA research team and wider project collaborators in Living Lab and Urban Action Lab. Prof Josephine Musango will be the academic supervisor at Stellenbosch University, who will work with the incumbent on the specific research questions for the project as well as the overall project. The postdoctoral fellow will be expected to write at least two full-length, peer-reviewed journal articles 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 (must have graduated within the last five years)
- Experience in conducting research at an advanced level in a multi- and inter-disciplinary environment
- Ability to work with quantitative modelling software and simulation modelling
- Good network of international professional, research and training contacts
- Very good command of the English language
- At least two journal articles accepted for publication in a peer-reviewed journal.

- Knowledge and experience in transdisciplinary research and data collection in informal settlements will be an added advantage

Enquiries:

Prof Josephine Kaviti Musango on +27 21 808 4338 or jmusango@sun.ac.za

Dr Lorraine Amollo Ambole on amollo.lorraine@gmail.com

Commencement of duties: As soon as possible, but not later than 1 March 2018

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 and amollo.lorraine@gmail.com

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

The University reserves the right not to make an appointment.



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Complex
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