



UNIVERSITY OF FORT HARE  
*Together in Excellence*

# Postdoctoral Research Fellowship Position

Energy Efficiency Research Group  
Fort Hare Institute of Technology (FHIT)  
(Alice campus)

A GMRDC funded postdoctoral researcher position is available at FHIT to further develop the Energy efficiency in the dairy farms through extensive research at UFH, we hereby invite suitably qualified candidates to apply for a Post-Doctoral Fellowship on the Modelling and Optimisation of on-farm Bulk Milk Coolers as Efficient Tools to Capture Cooling Energy Savings from the refrigeration cycle. The successful candidates will conduct research with Prof. Michael Simon. The Post-Doctoral Fellow will be expected to contribute to the development of a prototype and sizing methodology that can further be commercialized and or developed into patents as well as contribute to the training of students with active involvement in their research projects.

## Conditions of the award

- Fellowships are only available to individuals who have achieved a doctoral degree within the past five years;
- The applicant will be expected to be based at the Fort Hare Institute of Technology, UFH Alice Campus for the whole duration of the fellowship.

## Value and Tenure

- The value of each fellowship is R200 000.00 which is exempted from taxation.
- The tenure of each fellowship is valid for 1 year.

## Academic Criteria

- Applicants should have graduated with a PhD in Applied Energy/Physics
- The candidate must have knowledge of Agricultural Engineering/Agriculture and Applied Energy in Agriculture for this kind of research.
- Candidates with experience in the field of energy efficiency and energy management together with knowledge in modelling of refrigeration systems and in dairy farms will be particularly favoured.
- Strong team player with mathematical, scientific computing, analytical skills, engineering aptitude and interested to work in a highly interdisciplinary team

## Application Requirements:

All applicants should include:

- A letter of motivation including research interests and experience;
- Two recommendation letters
- A CV including details of the candidates efforts in energy efficiency in the agricultural sector;
- The selection will be guided by the following indicators:
  - (a) Young and emerging scholar
  - (b) Within 5 years of completing PhD,
  - (c) Women,
  - (d) South Africa citizens & permanent residence,

If you meet the above profile requirements and wish to apply, please send your application (CV, Motivation letter, certified copies of academic/professional certificates, two recommendation letters) to Prof M. Simon: MSimon@ufh.ac.za before 28 September 2020. The applications will be treated in order of arrival and with the highest degree of confidentiality.

Note: Correspondence will be conducted with short-listed candidates only.

\*The University reserves the right NOT to make an appointment University of Fort Hare is an equal opportunity and affirmative action employer. Pursuant to complying with the Employment Equity Act No.55 of 1998, when appointing preference will be given to applicants from designated groups whose appointments will contribute towards achievement of equitable demographic presentation of our workforce profile.

The University reserves the right NOT to appoint.