University of Fort Hare
Together in Excellence

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Call for application: Post-Doctoral fellow in Energy Optimisation of on-farm Bulk Milk Coolers

In order 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 commercialised 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 exempt from taxation.
- The tenure of each fellowship is 1 year (1 May 2019 – 31 March 2020), after which a second year is possible based on satisfactory academic progress and the availability of funds. Further extensions must be applied for each year, provided progress is satisfactory and funds are available.

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;
- A CV including details of the candidates efforts in energy efficiency in the agricultural sector;
- Two letters of recommendation
- Applications should be sent by email to Prof Michael Simon: msiomon@ufh.ac.za
- The closing date for applications is 30 April 2019.
- Eligible and complete applications will be considered by Prof. Michael Simon, and a sub-committee comprised of members of the Fort Hare Institute of Technology.
- 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,

The University of Fort Hare through the Fort Hare Institute of Technology reserves the right to:

- disqualify ineligible, incomplete and/or inappropriate applications,