



Mechanical & Mechatronic Engineering

Senior Researcher (Solar Thermal Energy) (Five-year Contract Appointment) (Ref. BC/238/07/09)

The Department of Mechanical & Mechatronic Engineering at Stellenbosch University has a well-established research programme in Solar Thermal Energy. In association with the Centre for Renewable & Sustainable Energy Studies, the Department and South African industry will expand this activity over the next five years with an investment of more than R10 million. This position is the first of three research staff positions aimed at facilitating this growth.

Duties: Research and development in the general field of solar thermal energy as main responsibility, including the publication of research results in international journals and attracting additional funding for research activities • presenting postgraduate courses in Solar Thermal Energy • supervising final-year student projects in Mechanical Engineering • supervising research students in Mechanical Engineering.

Requirements: A relevant doctorate, e.g. in Mechanical Engineering or Physics, specialising in solar thermal energy or a closely related field, plus at least two years' appropriate experience, OR a relevant research Master's degree in Mechanical Engineering, specialising in solar thermal energy, plus at least five years' appropriate experience • sound communicative skills • the ability to develop an independent research activity • an acceptable publication record.

Recommendations: Experience gained within an internationally recognised research group or solar thermal energy company • proven ability to obtain research funding • an established international network in the field • NRF rating as researcher.

Commencement of duties: 1 September 2009 or as soon as possible thereafter

Closing date: 11 August 2009

Enquiries: Prof. Wikus van Niekerk on 021 808 4251



RENEWABLE & SUSTAINABLE
ENERGY STUDIES

The University will consider all applications in terms of its Employment Equity Plan, which acknowledges the need to diversify the demographic composition of the staff corps, especially with regard to the appointment of suitable candidates from the designated groups.

The University reserves the right not to make an appointment.

A competitive remuneration package and excellent service benefits are attached to this position. For further details, contact **021 808 2753**.

Your application, comprising a comprehensive curriculum vitae (including the names and contact details of at least two referees), must reach the University before or on the closing date of the advertised post. *Applicants should request their referees to forward confidential reports by the closing date direct to the address below.*

Apply online at <http://www.sun.ac.za/vacancies>. You may also forward your application to The Manager: Personnel Provisioning & Planning, Stellenbosch University, Private Bag X1, Matieland 7602, e-mail it to vacancies_academic@sun.ac.za or fax it to 021 808 2484. Application forms are obtainable on our homepage at <http://www.sun.ac.za/applicationforms> or by e-mailing vacancies_academic@sun.ac.za or contacting 021 808 2753.

Candidates may be subjected to appropriate psychometric testing and other selection instruments.



Meganiese & Megatroniese Ingenieurswese

Senior Navorser (Son-termiese Energie) (Vyfjaarkontrakaanstelling) (Verw. BC/238/07/09)

Die Departement Meganiese & Megatroniese Ingenieurswese aan die Universiteit Stellenbosch is goed gevestig op die gebied van son-termiese energienavorsing. In samewerking met die Sentrum vir Hernubare & Volhoubare Energiestudies, beoog die Departement en die Suid-Afrikaanse industrie om hierdie aktiwiteite oor die volgende vyf jaar uit te brei met 'n belegging van meer as R10 miljoen. Hierdie pos is die eerste van drie navorsingspersoneelposse wat gemik is op die realisering van genoemde groei.

Pligte: Hoofsaaklik navorsing en ontwikkeling met betrekking tot die breë veld van son-termiese energie, met inbegrip van die publikasie van navorsingsresultate in internasionale vaktydskrifte en die werwing van addisionele befondsing vir navorsingsaktiwiteite • die aanbied van nagraadse kursusse in Son-termiese Energie • leiding van finalejaarsprojekte in Meganiese Ingenieurswese • studieleiding van navorsingstudente in Meganiese Ingenieurswese.

Vereistes: 'n Toepaslike doktorsgraad, bv. in Meganiese Ingenieurswese of Fisika, toegespits op son-termiese energie of 'n naby verwante veld, plus ten minste twee jaar toepaslike ervaring, OF 'n toepaslike navorsingsmeestersgraad in Meganiese Ingenieurswese, toegespits op son-termiese energie, plus ten minste vyf jaar toepaslike ervaring • goeie kommunikasievaardighede • die vermoë om 'n selfstandige navorsingsaktiwiteit op die been te bring • 'n aanvaarbare publikasierekord.

Aanbevelings: Ervaring opgedoen in 'n internasionaal erkende navorsingsgroep of son-termiese-energiemaatskappy • die bewese vermoë om navorsingsfondse te bekom • 'n gevestigde internasionale netwerk in die veld • NNS-evaluering as navorser.

Diensaanvaarding: 1 September 2009 of so gou doenlik daarna

Sluitingsdatum: 11 Augustus 2009

Navrae: Prof. Wikus van Niekerk by 021 808 4251



RENEWABLE & SUSTAINABLE
ENERGY STUDIES

Die Universiteit hanteer alle aansoeke in terme van sy Diensbillikheidsplan wat erkenning verleen aan die behoefte om die demografiese samestelling van die personeelkorps te diversifiseer, veral met die oog op die aanstelling van geskikte kandidate uit die aangewese groepe.

Die Universiteit behou die reg voor om nie 'n aanstelling te maak nie.

'n Mededingende besoldigingspakket en uitstekende diensvoordele is aan hierdie pos verbonde. Nadere besonderhede is by **021 808 2753** beskikbaar.

U aansoek moet vergesel wees van 'n volledige curriculum vitae (insluitend die name en kontakbesonderhede van ten minste twee referente), en moet die Universiteit voor of op die sluitingsdatum van die advertensie bereik. *Aansoekers moet hulle referente versoek om teen die sluitingsdatum vertroulike verslae direk aan onderstaande adres te rig.*

Doen aanlyn aansoek by <http://www.sun.ac.za/vakatures>. U kan ook u aansoek per pos rig aan Die Bestuurder: Personeelvoorsiening & Beplanning, Universiteit Stellenbosch, Privaat Sak XI, Matieland 7602, dit e-pos na vacancies_academic@sun.ac.za of faks na 021 808 2484. Aansoekvorms is verkrygbaar op ons tuisblad by <http://www.sun.ac.za/aansoekvorms>, of deur e-pos te stuur aan vacancies_academic@sun.ac.za of 021 808 2753 te skakel.

Kandidate kan moontlik aan gepaste psigometriese toetsing en ander keuringsinstrumente onderwerp word.