



## Department of Mechanical & Mechatronic Engineering Eskom Chair in Concentrating Solar Power

### Professor/Associate Professor

(Ref. ING03/226/0712)

(3 to 5-year contract appointment)

*The Centre for Renewable and Sustainable Energy Studies (CRSES) at Stellenbosch University is the National Hub for the Postgraduate Programme in Renewable and Sustainable Energy Studies and one of the leading academic institutions for basic and applied research in renewable energy in South Africa. The Solar Thermal Energy Research Group (STERG) in the Department of Mechanical & Mechatronic Engineering was formalised in 2010 to bring together a variety of faculty, students and other researchers at Stellenbosch and other universities working in Concentrating Solar Power (CSP).*

*Stellenbosch University has been identified as the Eskom Specialisation Centre in Renewable Energy Technology in the Eskom Power Plant Engineering Institute. As part of this programme, Stellenbosch University will establish the Eskom Chair in CSP in the Department of Mechanical & Mechatronic Engineering to lead the STERG's research activities in this field.*

**Duties:** The primary role of the Eskom Chair in CSP will be to conduct and lead research in in this field at Stellenbosch University. This will entail: Fundamental and applied research in CSP technology • formulating and implementing a CSP research strategy at Stellenbosch University in consultation with STERG, Eskom, other academics, industry and international partners • teaching at least one postgraduate course on solar thermal energy • supervising master's and doctoral research students in CSP technology • establishing cooperative activities with international solar thermal energy research institutions • raising and managing funds from national and international funding agencies and industry to support the CSP research activities at Stellenbosch University.

**Requirements:** Doctoral degree in Engineering, Physics, Chemistry or Applied Sciences applicable to solar thermal energy • a proven track record in CSP research, including publications in accredited international journals • good network of international professional, research and training institutions • a good command of English.

**Recommendations:** Work experience in an established CSP research group or large-scale CSP experimental facility • work/consulting experience for the CSP industry • demonstrated leadership in forming and/or growing a research group • lecturing experience at the postgraduate level.

**Commencement of duties:** As soon as possible, but not later than 1 January 2013

**Closing date:** 31 August 2012

**Enquiries regarding the job content:** Prof. Wikus van Niekerk on 021 808 4251

**Enquiries regarding remuneration and benefits:** Human Resources Client Service Centre on 021 808 2753

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*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.*

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.

**Apply online at <http://www.sun.ac.za/vacancies>**

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

*Should no feedback be received from the University within four weeks of the closing date, kindly accept that your application did not succeed.*