

2021 Internship Opportunity

Solar Thermal Energy Research Group

The Solar Thermal Energy Research Group (STERG) facilitates and stimulates research in renewable energy, focusing on solar thermal technologies. STERG is housed in the Department of Mechanical and Mechatronic Engineering, at Stellenbosch University, and affiliated with the Centre for Renewable and Sustainable Energy Studies (CRSES), the national academic hub for renewable and sustainable energy. STERG was the first university research group in South Africa dedicated to solar thermal energy research. The primary mission of STERG is to train students and deliver research outputs in solar thermal technology. STERG is looking for a hardworking and dynamic intern that will be part of the team conducting the research stated above.

The intern's research activities and responsibilities will include:

- Manage and maintain the solar thermal performance testing rig
- Testing the thermal performance of solar collectors
- Revise and document collector testing procedures
- Performance data evaluation of medium- to large-scale solar thermal systems
- Modelling low-temperature solar thermal systems using simulation software (TSol and PolySun)
- Assisting master's student with solar thermal research experiment

Who? Applicants must hold a BTech or BEng in Electrical, Mechanical or Mechatronic Engineering (or left with at most 2 modules to complete BEng). Must be competent with Microsoft Word and Excel. Previous experience with solar thermal systems or Raspberry PI would be advantageous.

Where? STERG, Stellenbosch University.

When? The deadline for applications is 16 May 2021. Interviews will take place in the week of 19-23 May.

How? Submit CV and study record to ndamulelo@sun.ac.za

