

2024 Bursary Opportunities Renewable Energy in the Electrical Power System



The Power Systems Research Group (<http://grid.sun.ac.za>), within Stellenbosch University's Electrical & Electronic Engineering department, studies the impacts of increasing variable renewable energy generation, energy storage and changing customer behaviour on the traditional electrical power system. Potential research topics cover a wide range of focus areas, including data analytics and forecasting, probabilistic load flow methodologies, energy meteorology, electricity markets and techno-financial analyses.

The research activities are ultimately aimed at supporting the system operation, network planning and long-term capacity planning functions within the South African power industry. Strong partnerships with South Africa's national utility, Eskom, and local municipal utilities support this aim.

- What?** Full bursaries of R120k per year for Master's and R160k per year for PhD studies in Electrical Engineering. Funding is also available to attend local and international conferences, and for a laptop and research equipment depending on student's needs and performance.
- Who?** Applicants must already hold, or be graduating by early 2024 with a B.Eng or Master's degree in Engineering, or a Master's degree related to Energy Meteorology or Economics, and must be registered as full-time students for the duration of their studies.
- Where?** Stellenbosch University.
- When?** The deadline for applications is 15 May 2023. Selected applicants will be contacted by 18 May 2023.
- How?** Submit CV, study record and pdf of final year B.Eng project / Master's thesis (if already available) to bbekker@sun.ac.za