

2026/2027 TUT POSTDOCTORAL RESEARCH FELLOWSHIPS CALL

The Tshwane University of Technology invites suitable applications for the position of Postdoctoral Research Fellow, who will be based at the Centre for Energy and Electric Power (CEEP), under the DSI-NRF-Sasol Research Chair in Energy Solutions for Inclusive and Sustainable Societies.

Research field/area:

The applicant should have an interest in and have experience in the field of:

1. Energy Planning and Optimization of Process / Conversion / Storage Systems
2. Power Systems
3. Transactive Energy

Proposed research activities include - **energy optimization in process systems, energy economics, alternate energy sources utilization, and energy conversion systems**. Emphasis may be placed on the development of improved extended models for assessing operational as well as structural behaviours of intermittent energy-dominated power systems and; model for secure and transparent energy trading exercises, and an effective optimization framework for digital currency and energy transfer. The research activity may not be limited to these areas.

Minimum requirements:

Doctoral degree with a research focus in the relevant field of study. The degree must have been obtained within five (5) years of applying for this fellowship.

Good mathematical knowledge and modeling background will be advantageous.

Value of fellowship:

- R250,000 per annum.
- A R50,000 incentive bonus may be paid to Postdoctoral Research Fellows who exceeded the research output requirements annually.

Interested candidates may submit the following documentation to popoolao@tut.ac.za

- A detailed CV including a list of all research/creative outputs.
- Certified copies of all relevant qualifications/certificates.
- Certified copy of the SAQA evaluation certificate (for international PhD qualifications).
- Certified copy of the ID or passport.
- A one-page proposal explaining the project title and details linked to the research interests in the fields/areas indicated, which you wish to pursue during the fellowship.
- Virtual hosting of the fellow may be considered with conditions.

Enquiries: Prof Olawale Popoola, +27 12 382 5195; popoolao@tut.ac.za

Closing date for applications: **18 December 2025**

