2026 TUT POSTDOCTORAL RESEARCH FELLOWSHIPS CALL

The Tshwane University of Technology invites suitable applications for the position of Postdoctoral Research Fellow in the Department of Electrical Engineering; SARChI Chair: Next-Generation Telemanipulation and Teleoperation Platforms for Multiple Sectors: Education, Training, and Production (Pretoria Campus).

Research field/area:

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

1. Digital Twins, IoT, Programming, especially the ability to use Python large data set computation and analysis, and component, system and network level modelling and analysis.
2. Printed Circuit Board (PCB) design or Virtual Reality (VR) development.
3. Application of (1) and (2) above in telemanipulation of remote industry machinery.

Minimum requirements:

- Doctoral degree with a research focus in the relevant field of study in Electrical Engineering (Electronics or Control Systems). The degree must have been obtained within five (5) years of applying for this fellowship (a degree awarded in 2023, 2024 and 2025 will receive preference).

Value of fellowship:

- R320 000 per annum (NRF funding).
- A R50,000 incentive bonus would be paid to Postdoctoral Research Fellows who exceeded the research output requirements annually.

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

- A detailed CV including a list of all research/creative outputs, and examples of completed PCB design, Digital Twins, Virtual Reality, or Industrial Control Systems.
- 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, that you wish to pursue during the fellowship.

Enquiries: Prof S Du, +27 12 382 5385

Closing date for applications: **31 January 2026**