



**Advert for 2 x Associate Professors
Department of Electrical Engineering
Post level 06
eMalahleni Campus
Ref: 24/348b**

The Department of Electrical Engineering, eMalahleni Campus has two positions for dynamic and innovative Associate Professors specializing in cutting-edge research, including Applications in Artificial Intelligence, Renewable energy, Control systems, High-Voltage Technology, Power systems, Power converters, Communication Engineering, Electromagnetic Interference, Electronics Engineering, and any related research areas. This position offers the opportunity to lead groundbreaking projects and contribute to our students' academic and professional development in these vital fields. The successful applicant would be based at the eMalahleni campus to present classes and supervise postgraduate students.

- Applicants are required to conduct a self-assessment using the Addendum C (attached) and submit it with the application.

Only supported evidence (research and innovation outputs, grants and awards, and community engagement) will be considered. The research outputs should be evident in the Google Scholar report (Google Scholar printout should be submitted with the application)

Key Responsibilities:

Teaching and Learning

- Present lectures and assessments of students in related subjects in undergraduate and postgraduate programmes.
- Lead quality teaching and learning with technology, such as comfortable use of the Learning Management Systems (LMS).
- Lead subject curriculum development and subject curriculum development and/or implementation committees.
- Responsible for and provide leadership in compiling and maintaining quality study guides, laboratory guides, subject files and other Teaching and Learning material.
- Responsible for administrative tasks related to research, innovation, teaching and learning activities.

Institutional Involvement and Leadership

- Lead departmental, faculty and institutional initiatives in collaboration with Technology Stations, Centres, Institutes and Research Niche Areas.
- Lead institutional research and innovation projects.

Women and people with disabilities are encouraged to apply.





Industry

- Liaise with industry on course and subject levels regarding curricula, visits, research, and other interactions.
- Lead the development and presentation of Short Learning Programmes (SLPs) to assist Industry with skills and development needs.

Research

- To be actively involved in the department's research activities in Electrical Engineering and provide strategic research leadership.
- Lead national and international research and innovation activities.
- Responsible for independent research and innovation projects and associated funding.
- Participate in research and innovation activities at the Technology Stations, Centres, Institutes and Research Niche Areas.
- Produce at least 2 research and innovation output units per year.

Professional bodies and Societies

- Registration with the Engineering Council of South Africa (ECSA) in the appropriate professional category is advantageous. Must also hold valid and relevant membership of at least one recognized voluntary association/society.

Community Engagement

- Lead and participate in impactful community engagement projects.

Academic Qualification:

- PhD (NQF 10) in Electrical Engineering or a closely related field
- Proven track record of research in Applications in Artificial Intelligence, Renewable energy, Control systems, High- Voltage Technology, Power systems, Power converters, Communication Engineering, Electromagnetic Interference, Electronics Engineering, and any related research areas. Experience in securing research funding and publishing in DHET-accredited journals.

Experience:

- Five (5) years relevant experience at Senior Lecturer
- Record of accomplishment of successful supervision of postgraduate students at least at a Doctorate Level.
- Evidence in leading research activities in the fields of Electrical and Electronics Engineering.
- Evidence of proven record accomplishment of scholarly research outputs in accredited journals and peer-reviewed conferences.
- Evidence of attracting external funding for research and innovation projects.
- Evidence of National Research Foundation (NRF) rating in an appropriate research rating category or ability to be NRF Ratable.

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- Evidence of industry liaison and involvement in Centres, Institutes and Technology Stations will be an advantage.
- Evidence in contributing to the development of new curriculum in HEIs environment.
- Evidence of Experience with impactful Community Engagement activities.

Send your CV to: RecruitmentCN@tut.ac.za

Enquiries: Ms Marlize van Niekerk,

Phone: +27 12 382 3130

Closing Date: 04 July 2025

(Please complete the scoresheet for Associate Professor and submit with your application)

NB: PLEASE COMPLETE THE ATTACHED SCORESHEET BY PROVIDING DOCUMENTARY EVIDENCE FOR EACH RATING YOU GIVE YOURSELF. PLEASE EMBED/ATTACH THE EVIDENCE ON THE SCORESHEET.

INSTRUCTIONS: Applicants are required to submit together with the CVs, a standardized application form available from the university intranet as well as recently certified copies of qualifications and Identity Document. Failure to comply with this instruction will disqualify the candidate. Further note that candidates may be expected to make a presentation or undergo competency testing.

If we have not responded within a Month from the closing date, you should regard your application as unsuccessful. Correspondence will only be entered into with short-listed candidates. The University reserves the right not to make an appointment. Candidates will be required to undergo psychometric testing and other simulation interventions.



GUIDELINE SCORE SHEET

NAME OF APPLICANT:

This score sheet can be used as a **guideline** to determine whether a person has the potential to be considered for a professorship.

	CATEGORY	Weights	Maximum score	Score
1	Qualifications		04	
	Doctoral	1 x 3	03	
	Formal teaching qualification	1 x 1	01	
2	PROFESSIONAL		07	
	Membership: Academic/research association/ETQA (1 point per membership)	1 x 2	02	
	Editorship: Editorial Board/Journal/Reviewer (2 points per membership)	2 x 2	04	
	Co-chair/organiser of a conference (1 point per conference)	1 x 2	02	
	Professional registration (professional board/council) 1 point per registration/board	1 x 2	02	
	Invited as plenary or keynote speaker at a conference (1 point per conference)	1 x 4	04	
3	TEACHING AND SUPERVISION		45	
	Teaching undergraduate, B Tech/honours and master's programmes (1 point per subject)	1 x 10	10	
	Curriculum development (1 point per subject)	1 x 5	05	
	Supervised/co-supervised master's (2 point per student)	2 x 8	16	
	Supervised/co-supervised doctoral (3 points per student)	3 x 10	30	
	Assessor/examiner: PhD and master's (1 point per assessment)	1 x 6	6	
4	RESEARCH OUTPUTS		55	
	Accredited journal articles (3 points per article) co-author/ author	3 x 15	45	
	Non-accredited journal articles (1 point per article)	1 x 5	05	

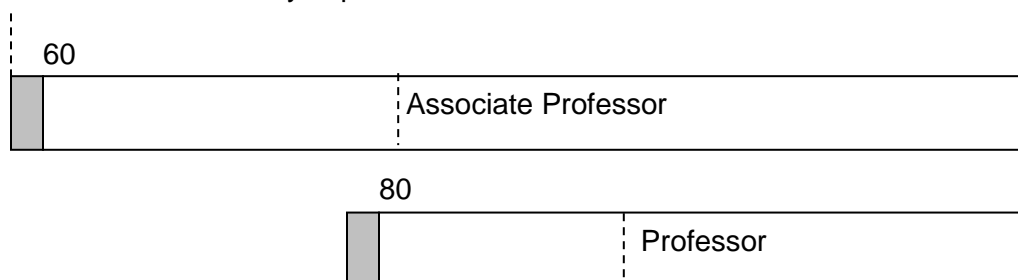
	Conference proceedings/ Presentations at conferences (double-blind peer reviewed – 1 point per paper)	1 x 5	05	
	Other (artistic outputs, patents etc.) (1 point per output)	1 x 10	10	
	Sole author of a book (3 points per book)	3 x 2	06	
	Chapters in books/editor/reviewer of books (1 point per chapter in book/1 point per review/editing of a book)	1 x 3	03	
	Rating: NRF (A = 10, B = 8, C= 5 point for L, P or Y = 2)	1 x 10	10	
5	COMMUNITY ENGAGEMENT		05	
	Participation in community projects	1 x 5	05	
6	GRANTS AND AWARDS		4	
	Grants (1 point per award of R250,000) for grant holder	1 x 4	04	
		1 x 2	02	
	TOTAL		120	

To qualify for promotion to associate professor:

1. Candidate should obtain at least 60 points to be considered for promotion and
2. Candidate should obtain at least 50% in sections 3,4 and 5

To qualify for promotion to full professor:

1. Candidate should obtain at least 80 points to be considered and
2. Candidate should obtain at least 50% in all categories and
3. Candidate should have successfully supervised at least one doctoral student





VACANCY BULLETIN

PLEASE SUBMIT YOUR CV AND COMPLETE THE BELOW ATTACHED TEMPLATE

TSHWANE UNIVERSITY OF TECHNOLOGY TEMPLATE FOR CURRICULUM VITAE ASSOCIATE PROFESSORS/ PROFESSORS

1. PERSONAL DETAILS	
Name	
Surname	
Nationality	
Identity number	
Contact details	
Tel (h)	
Tel (w)	
Cell	
E-mail	

2. EDUCATIONAL QUALIFICATIONS		
YEAR	QUALIFICATION	INSTITUTION

3. OTHER QUALIFICATION/TRAINING		
YEAR	QUALIFICATION	INSTITUTION

4. PROFESSIONAL ORGANISATIONS/BODIES	
REGISTRATION	ORGANISATION

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9. EXTERNAL EXAMINER/ASSESSOR DUTIES		
LEVEL	SUBJECT	INSTITUTION

10. STUDY LEADING - COMPLETED			
YEAR	DEGREE	FIELD	INSTITUTION

11. ASSESSOR/EXAMINER – THESIS			
YEAR	DEGREE	FIELD	INSTITUTION

12. STUDY LEADING - IN PROCESS			
YEAR	DEGREE	FIELD	INSTITUTION

13. RESEARCH ACTIVITIES - PUBLICATIONS			
YEAR	NAME OF JOURNAL	ACREDITED	
		YES	NO

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VACANCY BULLETIN

14. RESEARCH ACTIVITIES – CONFERENCE PROCEEDINGS				
YEAR	DESCRIPTION		DOUBLE BLIND PEER REVIEWED	
	TITLE OF PAPER	NAME OF CONFERENCE	YES	NO

15. RESEARCH RATING	
YEAR	CATEGORY

16. RESEARCH ACTIVITIES – OTHER (e.g. key note address/ plenary speaker /artistic outputs/research awards/research projects/patents/prototypes /exhibitions/ chapters in books/ sole author etc)	
YEAR	DESCRIPTION

17. GRANTS & AWARDS (RESEARCH & TEACHING)		
YEAR	DESCRIPTION	RAND

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18. REVIEW ACTIVITIES	
YEAR	NAME OF JOURNAL/CONFERENCE/BOOK

19. COMMUNITY ENGAGEMENT	
YEAR	DESCRIPTION

20. OTHER ACTIVITIES	
YEAR	DESCRIPTION

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