



## External Vacancy

FACULTY: Engineering and Technology

DEPARTMENT: Mechanical Engineering

POST: Senior Lecturer in Mechanical Engineering

POST No : 0221 Peromnes level (07)

### JOB DESCRIPTION:

The incumbent will be required to: {KPA'S}

- Teach and assess at under/post-graduate level
- Develop curriculum in applicable field of specialisation
- Influence the development, maintenance and control in field of specialisation
- Initiate and implement post-graduate research in specialisation field and produce accredited research outputs
- Undertake post graduate supervision and examination
- Demonstrate potential to engage in research (if not currently employed at a tertiary institution), or present a record of accredited research outputs or research reports or any other research activity
- Plan, monitor and control Work Integrated Learning activities, including student progress and reporting
- Liaise with Industry including consultation work/collaborative research
- Conduct student academic administration and reporting duties in line with responsibility
- Participate in academic area, faculty and University committees including task teams and voluntary associations.

### Application Criteria:

#### Qualification/Experience:

- Doctorate degree in Mechanical Engineering with specialization in Thermal Fluids and Renewable Energy
- Rating as a researcher by the NRF in any category will be an advantage.
- Evidence of accreditation/membership in a relevant professional body or learned society will be an advantage
- Have at least seven (7) year's relevant teaching experience and/or five (5) relevant industry/extensive consulting experience.
- Use of Matlab and Mechanical Engineering programmes such as CFD, LabVIEW, ABUCUS, and Flownex
- Extensive knowledge of the following subjects is recommended: Advanced Thermodynamics, Hydraulics, Turbomachinery and Fluid Mechanics

#### Skills:

Excellent communication and presentation skills, excellent teaching skills, planning and organising, Conceptual skills  
Analytical skills, Interpersonal skills, problem solving skills

Closing date for applications: 01 June 2018

Submit CV by hand to Carmen Titus at B103 or e-mailed to [recruitment@vut.ac.za](mailto:recruitment@vut.ac.za).

**Please Note: The application must be accompanied by a CV, identity document and ORIGINAL certified copies (not older than 3 months) of educational qualifications. Submission of such copies entitles Vaal University of Technology to authenticate the qualifications without any further consent from the applicant. Candidates with foreign qualifications must also submit the South African equivalent of the qualification. These qualifications are evaluated by SAQA. Vaal University of Technology is an equal opportunity and affirmative action employer, which is committed to the implementation of its employment equity plan. Therefore people from designated groups are encouraged to apply. If you are not contacted within three weeks after the closing date, please accept that your application was unsuccessful**