

UNIVERSITY OF PRETORIA

Tlou Mokobodi

1. BIOGRAPHICAL SKETCH

1.1 GENERAL INFORMATION										
Surname	Mokobodi									
First names	Tlou Stephen			ID Number	9011265365088					
Citizenship	South African			Title	Mr.	Female		Male	X	
Place of birth	Polokwane			Date of birth	1990-11-26					
Population group	African	X	Coloured		Indian		White		Other <i>(Please specify)</i>	
Department	Mechanical and Aeronautical Engineering			Position	Lecturer					
Direct Telephone	012 420 5367			Direct Telefax						
E-mail	Tlou.mokobodi@up.ac.za									
Date of appointment	2021-01-04			Permanent full-time	X	Temporary full-time				

1.2 ACADEMIC QUALIFICATIONS OBTAINED				
Degree/Diploma	Field of study	Higher education institution	Year	Distinctions
BEng Degree	Mechanical Engineering	University of Pretoria	2013	
BEng Hons Degree	Mechanical Engineering	University of Pretoria	2014	
MEng Degree	Mechanical Engineering	University of Pretoria	2017	

1.3 WORK EXPERIENCE TO DATE		
Name of employer	Capacity and/or type of work	Period From <i>(mm//yy to mm//yy)</i>
NMISA	Studentship	03/15 to 12/16
Megchem	Assistant Engineer	01/17 to 03/18
Megchem	Engineer	04/18 to 03/20
Megchem	Senior Engineer	04/20 to 09/20
Lead EPC	Senior Engineer	09/20 to 12/20

2. TEACHING ACTIVITIES

2.1 Courses presented		
Course	Level <i>(e.g. second year, Masters)</i>	Self developed <i>(Yes or No)</i>

2.2 Other education and pedagogic courses presented		
Course	Year	Institution

3. TEACHING OUTPUTS

3.1 Educational publications and products
N/A

4. OTHER TEACHING CONTRIBUTIONS

4.1 Membership of national and international bodies
<i>SANDF: Reserve Force Member (Air Force)</i>
<i>ECSA : Pr. Eng</i>
SAIMechE: Member

4.2 Visits to local and overseas universities as guest professor or lecturer in regard to teaching
N/A

4.3 Participation in national and international teaching associations, bodies, committees N/A

5. POSTGRADUATE SUPERVISION

5.1 Supervision or co-supervision of students who have completed degrees

Name of student	Degree/Title of dissertation/ thesis and date completed	Supervisor	Co-supervisor(s)	Duration of studies (years)

5.2 Current post-graduate students

Name of student	Degree enrolled for and date of first registration	Project title	Supervisor	Co-supervisor(s)	Year of registration

6. RESEARCH FUNDING

6.1 Obtaining research funds *(Optional)*

Origin of research funds <i>(e.g. contract research, THRIP, international funding organisations, other(s))</i>	Title of research project or programme	Duration	Money allocated (R) <i>(Optional - exact amounts not required)</i>

7. RESEARCH OUTPUTS

7.1 Publications in peer-reviewed or refereed journals

Mokobodi, T., Greeff, P., Kruger, O. and Theron, N.J., Free-fall gravitational acceleration measurement using a pneumatically controlled catch-and-release system in a semi-rotating vacuum chamber, Journal of Metrology and Measurement Systems, 2018, vol.25, issue 4.

7.2 Books and/or chapters in books

7.3 Published full-length conference papers/keynote addresses

Mokobodi, T., Kruger, O., Hungwe, F. and Theron, N.J., Design and development of free-fall absolute gravity measuring system using pneumatic actuators, Test and Measurement Conference, 2016.

(Paper & presentation)

Mokobodi, T., Theron, N.J. Kruger, O. and Veldman, C.S., Measuring free fall gravitational acceleration using optical interferometer on NMISA DFFG-01, Measuring by Light Conference, 2016.

(Paper & presentation)

7.4 Non-refereed publications or popular articles

7.5 Patents

7.6 Technical reports

8. OTHER SCHOLARLY RESEARCH-BASED CONTRIBUTIONS

8.1 Participation in conferences, workshops and short courses - specify type of contribution

Provide full details of participation in national and international conferences etc

8.1.1 National

8.1.2 International

8.2 Teamwork and collaboration with others:

Other researchers (national and international)

Other research institutions (national and international)

Industry

8.3 Membership in national and international bodies

8.4 Visits to local and overseas universities or research institutes as guest professor or researcher

9. ARTISTIC OUTPUTS (if applicable)

9.1 Provide full details of artistic outputs, including public reviews of work, coordinating reports by experts in the field, publisher, production company etc

10. MANAGEMENT AND ADMINISTRATIVE DUTIES

10.1 List your involvement in departmental activities (e.g. administrative functions), faculty (e.g. Faculty Committees) or other university activities.

11. COMMUNITY SERVICE OR PROFESSIONAL SKILLS

11.1 Outreach projects
Village Based Santas – Moletjie
High School learners' outreach – Moletjie
SAIMechE Learners outreach – Secunda

11.2 Professional service performed
Career Captions

11.3 Clinical service

11.4 Involvement with other universities/scientific institutions

11.5 Referee duties

12. AWARDS AND SCIENTIFIC/SCHOLARLY RECOGNITION

12.1 Evaluation status as scientist/scholar

12.2 Research awards and prizes

12.3 Teaching awards and prizes

12.4 Artistic awards and prizes