

# UNIVERSITY OF PRETORIA

Revision date: 12 April 2019

## 1. BIOGRAPHICAL SKETCH

### 1.1 GENERAL INFORMATION

<b>Surname</b>	Setshedi				
<b>First names</b>	Isaac Itumeleng			<b>ID Number</b>	9209106491085
<b>Citizenship</b>	South African			<b>Title</b>	Mr <b>Female</b> <b>Male</b> X
<b>Place of birth</b>	Ga-Rankuwa (Gauteng)			<b>Date of birth</b>	10 September 2019
<b>Population group</b>	<b>African</b>	X	<b>Coloured</b>	<b>Indian</b>	<b>White</b> <b>Other (Please specify)</b>
<b>Department</b>	Mechanical and Aeronautical Engineering University of Pretoria			<b>Position</b>	Lecturer
<b>Direct Telephone</b>	012 420 2014			<b>Direct Telefax</b>	
<b>E-mail</b>	Isaac.setshedi@up.ac.za				
<b>Date of appointment</b>	01 April 2019			<b>Permanent full-time</b>	X <b>Temporary full-time</b>

### 1.2 ACADEMIC QUALIFICATIONS OBTAINED

Degree/ Diploma	Field of study	Higher education institution	Year	Distinctions
BEng	Mechanical Engineering	University of Pretoria	2014	
MEng	Mechanical Engineering	University of Pretoria	2018	With Distinction

### 1.3 PROFESSIONAL REGISTRATION

--

### 1.4 SPECIALIZED COURSES

Duration	Topic	Institution	Year
11 Weeks	Machine Learning	Stanford Online	2018

## 1.5 WORK EXPERIENCE TO DATE

Name of employer	Capacity and/or type of work	Period
Council of Scientific and Industrial Research	Masters Studentship	2015/01/01 to 2018/09/30
University of Pretoria	Assistant Lecturer	2015/01/01 to 2017/11/31
GPS Architects	Consultant	2015/01/01 to 2019/03/31
University of Pretoria	Part-time Lecturer	2018/08/01 to 2018/12/31
Council of Scientific and Industrial Research	PhD Studentship	2018/10/01 to 2019/03/31
University of Pretoria	Assistant Lecturer	2019/02/01 to 2019/03/31
University of Pretoria	Lecturer	2019/04/01 to Current

## 2. TEACHING ACTIVITIES

### 2.1 Courses presented

Course	Level (e.g. second year, Masters)	Self developed (Yes or No)

## 3. INDUSTRIAL EXPERIENCE

### 3.1 INVOLVEMENTS

Company	Position	Description of services
GPS Architects	Consultant	General consulting in design and construction management services.

## 4. RESEARCH OUTPUTS

### Articles published in peer-reviewed accredited journals

1. I.I. Setshedi, P.W. Loveday, C.S. Long, D.N. Wilke, Estimation of rail properties using semi-analytical finite element models and guided wave ultrasound measurements, Ultrasonics, In press, corrected proof, Available online 8 January 2019.

### Accepted Papers in peer-reviewed accredited conferences

1. Setshedi, I., Long, C.S., Loveday, P.W., Wilke, D.N. "Adaptive SAFE model of a rail for parameter estimation", South African Conference on Theoretical and Applied Mechanics, VUT, van der Bijlpark, September, 2018.