

PERSONAL DATA

Oyaro Janet Kemunto

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Gender Female

Date of birth 11th November 1982

Nationality Kenyan

Marital status Single

EDUCATION

Sept,2017- Present [University of KwaZulu Natal, Durban. South Africa \(Ongoing\)](#)

- PHD in Civil Engineering
- Majoring in Traffic Engineering and specifically safety of signalized intersections. Working under the research topic of: Performance of signalized intersections under rainy weather conditions.

2011- 2013 [University of Twente, Enschede. Netherlands](#)

- Master of science in Civil Engineering and Management
- Majoring in Transportation Engineering and Management
- Research based on the impact of pre-trip and on-trip information on drivers' decision making and its impact on traffic network performance (a case study of the Amsterdam road traffic network)

2002-2007 [Masinde Muliro University of Science and Technology, Kakamega. Kenya](#)

- Bachelor's degree in civil and structural engineering
- Awarded 2nd upper degree

1997-2000 [Moi Girls High School Eldoret, Eldoret. Kenya](#)

- Kenya certificate of secondary education
- Awarded grade A-

1989-1996 Mumias Central Primary school. Mumias. Kenya

- Kenya certificate of primary education
- Awarded 566 out of 700 marks

WORK EXPERIENCE

Aug 2016- present Masinde Muliro University of Science and Technology

Civil and Structural Engineering Department

Assistant Lecturer

- Teaching among others the following courses: Traffic Engineering, Highway Geometric Design and Highway Pavement Design and Transportation Engineering. Supervising undergraduate student projects in my area of specialization.

Jan 2014- July, 2016

Masinde Muliro University of Science and Technology

Civil and Structural Engineering Department

Assistant Lecturer (part time basis)

- Teaching on part time basis; Traffic Engineering, Highway Geometric Design and Highway Pavement Design.
- Member of the project implementation committee in charge of structural design, supervision and preparation of payment certificates.

Nov 2013- August 2017

Masinde Muliro University of Science and Technology

Civil/ Structural Engineer

Project implementation committee

- Member of the project implementation committee in charge of preparation of tender documents, structural design, supervision of construction projects, management of different sub-contractors and preparation of payment certificates and submission of progress reports.
- The projects include student hostel, 2 No. tuition blocks, an office block, student hall and office block each of which was successfully completed and handed over to the university.

Feb 2011- July 2016

Assistant maintenance officer

Estates Department

Masinde Muliro University of Science and Technology

- Responsible for maintenance works and minor construction work within the university. Keeping inventory and maintenance records for all university infrastructural assets.
- Structural design for new construction works and renovations. Supervising the said works for quality control and budgetary constraints.
- Tender evaluation and work supervision
- Assist the Senior Estates Officer in staff management and acting as the Senior Estates officer when the holder was away. This involved managing all university assets, staff in the department, preparing progress reports for management and attending management meetings

Oct 2009- Jan, 2011

Site Agent

Masinde Muliro University of Science and Technology

Library phase I project

- Responsible for overall site management and management of sub-contractors to completion.
- Planning of project execution and schedule control
- Management of people and work quality
- Preparation and submission to management periodical progress reports

Nov, 2007-Oct, 2009

Assistant site agent

Masinde Muliro University of Science and Technology

Library phase 1 project

- Responsible for assisting the site agent to run the site, checking work quality (concrete and steel), tallying of architectural and structural drawings, material estimation and ordering and ascertaining adequacy of structural designs.
- The project involved management and supervision of sub-contractors and touches all areas, that is water and plumbing, road works, electrical installation, lift installation, refrigeration and structured cabling.

- Gained experience in management of people, the different quality tests for building materials and especially concrete, interpretation of structural and architectural drawings and supervision of sub-contractors and contract administration

May-Aug, 2006 Ministry of Roads and Public Works. Nairobi. Kenya (Internship)

- Mbagathi road rehabilitation project under supervision of Eng wambura, gained useful insight in concrete road design, construction in addition to survey, laboratory tests, inspection, and supervision of work on site.
- Gained useful knowledge in concrete tests, tests for both cement and aggregates and mix designs

June-Aug 2005 HYoung&CO (EA) Ltd (Internship)

- Sondu Miriu hydropower project under Eng.E.G Gachichio. Gained experience in interpreting drawings, detailing, supervision of works and quality control and concrete works
- Was attached at the batching plant and laboratory for one month. Familiarized with laboratory test for cement, aggregates, fresh and set concrete and concrete classes.

PUBLICATIONS/ CONFERENCES

- The Extent of Capacity Loss at Signalised Intersections Caused by Rainfall- Open Transportation Journal. **Published**
- Influence of rainfall to Driver's responsiveness to yellow intervals at signalised intersections – CSCE 2021 Annual conference (26th – 29th May 2021) Canada. **Accepted**
- “Modelling Drivers Aberrant Responsiveness to Yellow Interval: Case Study of Durban Signalized Intersections- SATC, conference South Africa (5th-9th July 2021). **Accepted.**
- Title: Complimentary Effect of Chequered Road Markings on the Probability of Yellow Traffic Light Violation at Signalized Intersections. American Society of Civil Engineering (ASCE) 2021 conference (6th -9th June 2021) – **Accepted.**

MEMBERSHIP OF PROFESSIONAL BODIES

- Graduate member- Engineers Registration Board (ERB)
- Graduate Member- Institution of Engineers of Kenya (IEK)
- Professional Eng. Technologist- Kenya Engineering Technology Registration Board (KETRB)
- Student member – South Africa Institution of Civil Engineering (SAICE)

LANGUAGES

English – fluency in both verbal and written

Kiswahili- Fluency in both verbal and written

WORKSHOPS/SHORT TERM TRAINING

- International course on Transportation planning and road safety (TRIPP) at India Institute of Technology (IIT), Delhi- 29th November- 6th December 2018.
- Think Road safety- Road safety training for external partners- World Bank Group. 6th April – 10th May 2021.
- European Bank for Reconstruction and Development (EBRD) Road Safety Engineering E-Learning Training Course. 1st November-11th December 2020.
- Role of Road Safety Audits in improving Traffic Safety (online Training Workshop) – Qatar University. 8th – 10th November 2020.
- United Nations Institute for Training and Research – Management Practices for safety roads (e-Learning toolkit). 3rd- 10th May 2021.

REFERENCES

1) Dr. Micah Mukolwe

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