



# THE TECHNICAL UNIVERSITY OF KENYA

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NAME: DR WILLICE ODHIAMBO OBONYO

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|----------------------|--|
| Faculty:             | Applied Sciences and Technology              |
| School:              | PHYSICS AND EARTH SCIENCES                   |
| Department:          | ASTRONOMY AND SPACE SCIENCES                 |
| Current Designation: | Lecturer, ASTRONOMY AND SPACE SCIENCE (DASS) |
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| Consultation Hours:  | 8AM-5PM MON - FRI                            |



## EDUCATION

| LEVEL                        | QUALIFICATION NAME                       | INSTITUTION                             | YEAR |
|------------------------------|--|---|------|
| Doctor of Philosophy (PhD)   | PHYSICS AND ASTRONOMY                    | THE UNIVERSITY OF LEEDS(United Kingdom) | 2020 |
| Masters of Science (M.Sc.)   | ASTROPHYSICS AND SPACE SCIENCE           | UNIVERSITY OF CAPE TOWN(South Africa)   | 2015 |
| Masters of Science (M.Sc.)   | PHYSICS                                  | MOI UNIVERSITY(Kenya)                   | 2011 |
| Bachelor of Education (B.Ed) | SCIENCE                                  | MOI UNIVERSITY(Kenya)                   | 2006 |
| O level/Equivalent           | KENYA CERTIFICATE OF SECONDARY EDUCATION | BARKANYANGO SEC SCHOOL(Kenya)           | 2000 |

## WORK EXPERIENCE

| PERIOD               | INSTITUTION              | POSITION                                   |
|----------------------|--------------------------|--|
| Feb 2020 - July 2020 | University of Manchester | Research Associate in scientific computing |
| Nov 2020 - 2023      | University of Leeds      | Visiting research fellow                   |
| 2016 - 2019          | University of Leeds      | Computing Tutor (Part-time)                |
| 2013 - 2014          | University of Cape Town  | Physics tutor (Part-time)                  |
| 2013 - 2014          | University of Cape Town  | Mathematics Tutor (Part-time)              |

#### SELECTED PUBLICATIONS

| TITLE   | LINK TO PUBLICATION         | YEAR |
|---|-----------------------------|------|
| The SARA0 MeerKAT 1.3 GHz Galactic Plane Survey   | <a href="#">View online</a> | 2024 |
| Spectroscopic and Photometric Study of Open Cluster Trumpler 27   | <a href="#">View online</a> | 2016 |
| A search for non-thermal radio emission from jets of massive young stellar objects  | <a href="#">View online</a> | 2019 |
| A multi-epoch study of radio continuum emission from massive protostars   | <a href="#">View online</a> | 2021 |
| Calculation of Fusion Reaction Cross-Section and Angular Momentum Window of ${}^6\text{Li}$ , ${}^{16}\text{O}$ , ${}^{56}\text{Fe}$ and ${}^{86}\text{Kr}$ on Fusion with ${}^{208}\text{Pb}$ at $\text{ELAB} = 500\text{MeV}$ | <a href="#">View online</a> | 2012 |
| Properties of isolated galaxies in the Digital Survey Isolated Galaxies (DSIG) catalogue within a redshift range ( $0.005 < z < 0.080$ )  | <a href="#">View online</a> | 2023 |
| Non-thermal radio emission from massive protostars in the SARA0 MeerKAT Galactic Plane Survey   | <a href="#">View online</a> | 2024 |
| Observing the DART Impact from Kenya  | <a href="#">View online</a> | 2023 |
| Gas flows in the central region of the Seyfert galaxy NGC 4593 with MUSE  | <a href="#">View online</a> | 2024 |

#### POSTGRADUATE STUDENTS SUPERVISION

| NAME          | PROJECT TITLE   | PERIOD      |
|---------------|---|-------------|
| Calvince Juma | CHARACTERISATION OF CORNISH-SOUTH ULTRACOMPACT HII-REGIONS SAMPLE USING THE MeerKAT | 2021 - 2023 |