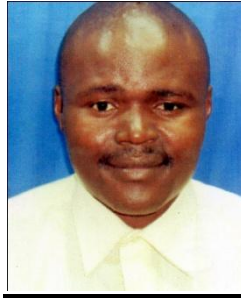


CURRICULUM VITAE



PERSONAL DETAILS

NAME: OMONDI GEORGE ERICK
DATE OF BIRTH: 10TH MAY, 1985
NATIONALITY: KENYAN
MARITAL STATUS: MARRIED
RELIGION: CHRISTIAN
HOME ADDRESS: P.O BOX 37-40612
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EDUCATIONAL BACKGROUND

SEPT.2014-TO DATE: Maseno University
Ph.D in Physics

SEPT.2010-TO DEC.2013: Maseno University
Master of Science in Physics.
MSc. thesis entitled 'Characterization of Geomagnetically Induced Currents in the power grid in Nairobi, Kenya'

SEPT.2005-NOV.2009: Maseno University
Bachelor of Education (Science with IT)-Mathematics and Physics major

First Class Honours

- 2006:** I Choose Life (ICL) training
Learnt HIV/AIDS awareness and peer education
- 2000-2003:** Horace Ongili Secondary School
KCSE-B+(plus) 73 points
- 1992-1999:** Uriri Primary School
KCPE-477 marks out of 700 marks
B+(plus)

WORK EXPERIENCE

5TH JAN-17TH APRIL, 2015: Part time Lecturer Jaramogi Oginga University Of Science and Technology, School of Biological and Physical Sciences.

Taught and examined SPH 3111: Physics I.

1ST FEB.2015-TO DATE: Examination coordinator of the department of Physics and Materials Science of Maseno University.

1ST OCT.2013-TO DATE: Tutorial Fellow at Maseno University in the department of Physics and Materials Science

Has taught and examined courses entitled :

(i) SPH101: Mechanics

(ii) SPH 102: Electricity and Magnetism 1.

(iii) SPH 205: Mathematical Methods for Physics II

(iv) SPH 206: Empirical ideas of Quantum Physics and Relativity.

(v) SPH 303: Quantum Mechanics 1

(vi) SPH 402: Statistical Mechanics

SEPT.2010-TO SEPT 2013: Graduate Assistant at Maseno University in the department of Physics and Materials Science
Has marked (graded) Undergraduate Physics laboratory Practical reports.

MAY 2010-SEPT.2010: Teachers Service Commission
Teaching station: Sirinde Secondary School
Taught Mathematics and Physics

- JAN.2010-MAY 2010:** Became class teacher Form 4.
B.O.G teacher Maseno National School
Taught Mathematics and Physics
Became class teacher Form 2W
Assisted in coaching the football team
- SEPT.2009-JAN.2010:** B.O.G teacher Wang'apala High School
Taught Mathematics and Physics
Dormitory Master- Ng'oma dormitory
- JAN.2004-AUG.2005:** Untrained teacher Horace Ongili Secondary School
Taught Mathematics and Business studies

SCHOLARSHIPS WON

Scientific Committee on Solar Terrestrial Physics (SCOSTEP)
Visiting Scholarship to South African National Space Agency (SANSA). Period of the Scholarship: 1st February, 2016 to 30th April, 2016.

CONFERENCES AND WORKSHOPS

- 7TH-17TH NOV. 2016-** The SCOSTEP/ISWI International School on Space Science.
Venue: Smt. Kasturbai Walchand College of Science & Arts,
Rajnemi Campus, Timber Area, Sangli, India.
- 21ST-25TH SEP.2015-** African Geophysical Society Conference
Venue: Kenya Institute of Curriculum Development
(KICD), Nairobi, Kenya.
Presentation: Omondi G., An investigation of
Of Geomagnetically Induced Currents in the power grid in
Nairobi, Kenya and its connection to unexplained power
Failures.
- 4TH-8TH MAY, 2015** African workshop on Space Science Research
Venue: SANSA, Hermanus, South Africa
Presentation: Omondi G. and Baki P., Correlation between
geomagnetic field variations and the dynamics of equatorial
ionosphere over Eastern Africa.

21ST OCT.2013-1STNOV.2013: Attended ISWI/SCOSTEP School on Space Science.

Venue: Kenya Institute Of Education, Nairobi, Kenya.

23RD – 27TH SEPT.2013: Attended 2013 MAGDAS/ISWI School On Space Weather.

Venue: Universite' Felix Houphouet-Boigny,
Bingerville, Coted'Ivoire.

Presented a paper during the school whose details are as follows:

Omondi G., Baki P. and Ndinya B., A study of the East African Sector of the Equatorial Ionosphere during selected magnetically disturbed and quiet times.

26TH – 29TH SEPT.2011: Attended the Fourth African Leadership Conference on Space Science and Technology for Sustainable Development.

Venue: Whitesands Sarova in Mombasa, Kenya.

PUBLICATIONS

Omondi G. E., Baki P. and Ndinya B. (2017). Quiet Time Correlation Between Geomagnetic Field Variations and the Dynamics of the East African Equatorial Ionosphere.

International Journal of Astrophysics and Space Science. Vol. 5, No. 1, pp. 6-18.

doi: 10.11648/j.ijass.20170501.12

Omondi G. E., Baki P. and Ndinya B. (2016). Quiet Time Geomagnetic Field Variations in the Equatorial East African Region During the Inclining Phase of Solar Cycle 24.

International Journal of Astrophysics and Space Science. Vol. 4, No. 2, pp. 21-25.

doi: 10.11648/j.ijass.20160402.11

Omondi G., Ndinya B and Baki P. (2014). A study of the Equatorial ionosphere over Nairobi during selected Magneticaly disturbed and Quiet times for the year 2009 Using Co-located instruments, *International Journal of Advanced Research in Physical Science,* voll issue 6 (18-26).

Omondi G., P. Baki and B. Ndinya. Characterization of Geomagnetically Induced Currents in the power grid in Nairobi, Kenya, *Lambert Academic Publishing,* 978-3-659-49839-8 (2013).

BOOKS & MONOGRAPHS

P. Baki & **G.E. Omondi**, Correlation between post-sunset surface electric fields, TEC enhancements and scintillations at Low-latitude station, **Book chapter**, *American Geophysical Union* (2014).

HOBBIES

Reading academic and Godly spiritual material

Listening to Christian gospel music

REFEREES

1. PROF. PAUL BAKI

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2. PROF. ANDREW ODUOR

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3. PROF. RECCAB OCHIENG'

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4. DR. BONIFACE NDINYA

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