

Curriculum Vitae

Philip Musyimi

Biodata:

DOB:	20 th December 1970
Gender:	Male
M/status:	Married
Address:	P. O. Box 1103 - 90200, Kitui. Kenya.
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Career Objective To continue through my own initiatives to acquire more relevant knowledge and skills to keep up with ever-increasing professional challenges and advancements.

Education:

Jan. 2013 – Present: Univ. of Johannesburg; Jo'burg City, SA
Pursuing PhD (Physics) degree

Sept. 2000-Jun. 2002: Univ. of Nottingham; Nottingham City, UK
MPhil. degree (Physics)

Thesis title: "Two-Dimensional Electron Transmission in Hybrid Ferromagnetic Semiconductor Devices".

Modules taken: Advan. Quantum Mechanics I&II, Conden. Matter Physics I&II

Oct. 1997- todote: Univ. of Nairobi; Nairobi City, Kenya
Pursuing MSc. degree (Nuclear Science)

Proposed Thesis title: "Environmental Study on Industrial Emission of Total Suspended Particulate Matter and Its Effect on Rainwater Quality in Athi River Town". [I intend to submit by July 2013].

Units taken: "Solid State Physics; Atomic & Nuclear Physics; Advanced Nuclear Physics; Radiation Protection & Dosimetry; Particle Detection & Nuclear Electronics; Nuclear Techniques Applic; Medical Physics & Instrumentation and Research Methodology".

Aug. 1990-Dec. 1994: Jomo Kenyatta Univ.; Juja, Kenya
BSc degree Hons (Physics/Mathematics)

Physics units taken: Electricity & Magnetism, Mechanics, Quantum Mechanics, Thermal Physics, Mathematical Physics I&II, A-C Circuit Theory, Properties of Matter, Solid State Physics, Electronics, Atomic & Nuclear Physics, Electrodynamics, Statistical Mechanics, Atomic & Molecular Spectroscopy and Microprocessor Application.

Maths units taken: Foundation for Mathematics, Mathematics for Science I, Calculus I&II, , Geometry, Statistics for Sciences, Linear Algebra I, Algebraic Structures, Vector Analysis, Classical Mechanics, and Computer Application

Packages.

**Jan. 1986-Nov. 1989: Tseikuru Secondary School; Mwingi, Kenya
Kenya Certificate of Secondary Education (KCSE)**

**Jan. 1977-Nov. 1985: Kwavonza Primary School; Kitui, Kenya
Kenya Certificate of Primary Education (KCPE)**

Awards:

- ◇ Sept. 2012: Postgraduate Scholarship by the Department of Physics of the University of Johannesburg (SA), to pursue PhD degree study in High Pressure Physics at the University of Johannesburg (SA).
- ◇ Sept. 2000: Postgraduate Scholarship by the School of Physics & Astronomy of the University of Nottingham (UK), to pursue MPhil degree study in Semiconductor Physics at the University of Nottingham (UK).
- ◇ July 1997: Certificate of Academic Excellence by the Kitui District Educational Board after my Form IV Physics class ranked 2nd position in the District in 1996 KCSE.
- ◇ Jan. 1986: Four years Sponsorship from the ActionAID of Kenya (NGO) to for my secondary school education.

Work history:

- ◆ **Jan. 2011 – Present:** Tutorial Fellow (Physics) at Kenyatta University (KU).
- ◆ **Apr. 2008 – Aug. 2012:** Part-time Physics Lecturer at Mt. Kenya Univ.
- ◆ **Jan. 2008 – Aug. 2012:** Part-time Physics Lecturer at JKUAT.
- ◆ **Aug. 2009:** Senior Supervisor with Kenya National Bureau of Statistics.
- ◆ **Dec. 2007:** Presiding Officer with Electoral Commission of Kenya (ECK) in Kitui West Constituency, 2007 General Election.
- ◆ **Jan. 2003–Dec. 2008:** BOG Teacher at KwaMutonga Sec. Sch. Kitui District.
- ◆ **Mar. – Dec. 2002:** Quality Controller at the Pizza Factory (UK).
- ◆ **Jan. - Nov. 2001:** General Warehouse Assistant, Hyperama Plc. (UK).
- ◆ **Jan. 1996 – Sept. 2000:** Physics/Maths Teacher at St. Lukes Yatta Sec. School, Kitui District.
- ◆ **Jan. 1995 – Dec. 1996:** Physics teacher at Yumbisye Secondary School of Kitui district, Kenya.

Membership:

Associate Member (AMInstP) of the Institute of Physics (UK).

Skills:

- ▷ Excellent and proven writing, presentation and communication in English, Kiswahili and Kikamba.
- ▷ Proficiency in MS Word, MS Excel, PowerPoint, Spreadsheet, SPSS, Origin and Labview.
- ▷ Excellent interpersonal, leadership, managerial and teamwork.
- ▷ Nuclear Analytical Techniques, Magnetic & Electrical Transport techniques,

Publication(s):

- ✓ Hong J., Kubra V., Edmond K.W., **Musyimi P.**, Newman A.C., Gallagher B.L., Main P.C., Henini M., Marrow C.H., Hickey B.J. and Thomas S. (2002). *Quasi-Ballistic Transport of 2D Electrons through Magnetic Barriers*. Phys. E Vol . 12 (14) 229-232

- Responsibilities:**
- ▶ Sept 2011 – Aug 2012; Acting Mombasa Campus Coordinator of School of Pure & Applied Sciences, Kenyatta University.
 - ▶ Current Chairperson of Kwavonza Disabled Group, Kitui District.
 - ▶ Patron of Science Club (Yumbisye & St. Lukes yatta secondary schools).
 - ▶ Prefect in charge of Library during my secondary school tenure.
 - ▶ Chairman of Science and Mathematics Clubs during my sec. school day

- Hobbies/interest:**
- ★ Reading Scientific, Business and Technical magazines (Journals), including novels. Researching and documenting scientific issues.
 - ★ Surfing Websites.
 - ★ Travelling, meeting new friends and watching sceneries.
 - ★ Football and athletics are my main outdoor activities.

Availability: Immediately (ASAP)

Salary: Negotiable

Referees:

Prof. Giovanni R. Hearne Professor, Physics Department University of Johannesburg P. O Box 524, Auckland Park, 2006 Johannesburg, SOUTH AFRICA Tel. +27 (011) 5592327, grherane@uj.ac.za	Mr. Michael J. Mangala Lecturer, Inst. of Nuclear Sci & Tech University of Nairobi P. O. Box 30197 – 00100, Nairobi- Kenya. Tel. +254-020-318262 ext. 28483, Mobile: 0721578191 michael_mangala@yahoo.co.uk
Dr. Walter Njoroge Senior Lecturer, Physics Dept. Kenyatta University P. O. Box 43844 – 00200, Nairobi, Kenya. Tel. +254-020-871090119 ext 57340, 0722234688 njoroge.walter@ku.ac.ke	Dr. Robert Kinyua Senior Lecturer, Physics Dept. Jomo Kenyatta University P. O. Box 62000 – 00200, Nairobi – Kenya. Tel. +254-067-52711, 0722330488: kinyua@jkuat.ac.ke robertkinyuak@yahoo.com