

CURRICULUM VITAE

PERSONAL DETAILS

Name: Peter Kinuthia Kariuki
Date of Birth: 18th September, 1976
Nationality: Kenyan
Gender: Male
Marital Status: Married
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ACADEMIC BACKGROUND

Postgraduate Work:

January 2012 Admitted to Kenyatta University School of Pure and Applied Sciences to pursue a Ph.D. degree in Atomic Collisions.

April 2005 – Dec 2009 Completed Master of Science degree course work in Physics at Kenyatta University. Carried out research in Electron-atom collisions. My thesis was titled *Calculation of Cross Sections for Elastic Scattering of Electrons by a Magnesium Atom at Intermediate Energies*. My Supervisors were Dr Singh and Prof Okumu both of Kenyatta University.

Undergraduate Work:

Sept 1996 – Oct 2000 Completed Bachelor of Education (Science) degree at Kenyatta University, was a major in Physics and minor in Chemistry.

Secondary School:

Jan 1991 – Nov 1994 Attended Isiolo Boys Secondary school and later Nairobi Milimani Secondary School and attained a B (Plain) mean grade in the KCSE examinations

Primary School:

Jan 1983 – Nov 1990

Attended Temple Road Primary School (Nyeri), Sparki Primary (Mombasa) and Lower Kabete Primary (Nairobi) and obtained 560/700 marks in KCPE examinations

TEACHING EXPERIENCE

August 2011 -

Taught University Physics courses at Kenyatta University including:

SPH 100:Mechanics

SPH 102: Waves and Optics

SPH 103:Mathematics for Physics I

SPH 205:Mathematics for Physics II

SPH 409:Computer Programming

May 2011 – July 2011

Taught College Physics to First year Diploma students in Geospatial Engineering at Kenya Polytechnic University College as a part – time lecturer.

Jan 2011 – April 2011

Taught as part – time lecturer to First year Bachelor of Technology students at Kenya Polytechnic University College.

May 2010 – Dec 2010

Taught College Physics to First year Diploma students in Aviation and Aeronautical Engineering at Kenya Polytechnic University College as a part – time lecturer.

Aug 2002 – April 2010

Taught Secondary – school Chemistry and Physics at William Ngiru Secondary School under the Kenya Teachers Service Commission.

Sept 2001 – July 2002

Taught Secondary – school Physics at Limuru Girls High School under the school Board of Governors.

TECHNICAL AND SPECIALISED SKILLS

- Ability to carry out research in the field of atomic collisions in topics of current interest
- Ability to use the C programming language to solve numerical problems that arise in atomic collision theory
- Communication of Research Findings
- Proficiency in word-processing including using Microsoft Equation 3.0 to write equations

PROFESSIONAL DEVELOPMENT

Obtained invitation to Western Michigan University (U.S.A) to attend the 26th International Conference on Photonic, Electronic and Atomic Collisions (ICPEAC) held July 22nd-28th 2009 to present my paper titled *Calculation of Cross Sections for Elastic Scattering of Electrons by Magnesium Atom at Intermediate Energies* based on my M Sc thesis. My abstract was also to be published in the Conference proceedings

PROFESSIONAL AWARDS

Awarded five (5) certificates of merit by the Ministry of Education, Science and Technology for excellence in the teaching of chemistry in District Day Schools in Kiambu in years 2003 – 2008 KCSE examinations

REFEREES

1. Dr C S Singh
Department of Physics, Kenyatta University
P.O.Box 43844-00100
Nairobi, Kenya
E-Mail: singh_cs@hotmail.com
2. Prof J Okumu
DVC (Academic), Kenyatta University
P.O.Box 43844-00100
Nairobi, Kenya
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3. Dr Njoroge
Chairman, Department of Physics, Kenyatta University
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4. Mr Wangati
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