

Curriculum Vitae: Cyrus Wekesa Wabuge

A. Summary: Personal Details

Name: Dr. Cyrus Wekesa Wabuge
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Nationality: Kenyan
Permanent Address: P.O Box 8764 – 00100 GPO, NAIROBI, KENYA
Telephone Numbers: Mobile: 0720-888809.
Languages: English, Kiswahili, Basic Japanese, Luhya

Current Employer/Position: University of Nairobi, Department of Electrical & Information Engineering, **Senior Lecturer Level.**

B. Record of Academic Qualifications

Degree	Field of Study	Higher Education Institution
PhD Eng	Electrical & Electronics Engineering	University of Tokushima, Japan
MSc Eng	Electrical & Electronics Engineering	University of Nairobi, Kenya
BSc Eng (Upper Second Class Honours)	Electrical & Electronic Engineering	University of Nairobi, Kenya

C. Record of Permanent Employment

Period	Position	Employer	Duties
Jan 2010 – to date	Senior Lecturer	University of Nairobi	Teaching graduate and undergraduate students; supervising graduate and undergraduate laboratories and thesis work; etc.
Nov 2007 to Dec 2010	Lecturer	University of Nairobi	Teaching graduate and undergraduate students; supervising graduate and undergraduate laboratories and thesis work; etc

D. Masters Theses Supervision – Completed

Charles Mwaniki, “An Investigation into the Impact of Power Transformer Parameters to Voltage Collapse in a High Voltage AC Network”, Department of Electrical and Information Engineering, University of Nairobi, August 2012.

Njoroge Thomas Kinyanjui, “Development of Collaborative Learning in Low-Resource Environments in Kenya: Case Study of Mahiga Girls High School, Nyeri County”, Faculty of Information Technology, Strathmore University, June 2011.

Elias Kuria Mirigi, “Modeling a Methodology for Evaluation of WAN Technologies for Organizations in Kenya”, Faculty of Information Technology, Strathmore University, June 2009.

Mwathi David Kitonga, “An Assessment of Security in Critical Information Systems Used by Universities in Kenya”, Faculty of Information Technology, Strathmore University, June 2009.

Oren Kagai Mwaniki, “*A Database Audit Framework: The Case of CDC-Kenya*”, Faculty of Information Technology, Strathmore University, June 2009

Evans Michael Otieno Meyo, “*Effect of Security Mechanisms on the Performance of Wireless Local Area Network*”, Faculty of Information Technology, Strathmore University, June 2009

Solomon Cheruiyot Kirwa, “*Anomaly and Misuse Intrusion Detection Model Using Neuro-Fuzzy Logic*”, Faculty of Information Technology, Strathmore University, June 2009.

Metto Shadrack Kimutai, “*A Software Upgrades Investment Model: A Case of Windows Operating Systems in Kenya*”, Faculty of Information Technology, Strathmore University, June 2009

Adika Christopher Otieno, “*Modeling and Simulation of a Neural Fuzzy Maximum Power Point Tracking of a PV System*”, Department of Electrical and Electronics Engineering, JKUAT, March 2009.

David Thaba, “*A Framework for Optimizing Internet Bandwidth Utilization: A Kenyan Perspective*”, Faculty of Information Technology, Strathmore University, September 2008.

Philip Kibet Langat, “*Design and Implementation of Aperture Coupled Microstrip Antennas with Arbitrarily Shaped Apertures*”, Department of Electrical and Electronics Engineering, JKUAT, March 2007.

Lawrence. K. Letting, “*A Fuzzy Logic Based Maximum Power Point Tracker for Photovoltaic Systems*”, Department of Electrical and Electronics Engineering, JKUAT, March 2007.

E. Scholarship Awards

1. Japanese Ministry of Education, Science, Sports & Culture (**Monbusho**) Scholarship, for Doctoral Studies, The University of Tokushima, Tokushima, Japan.
2. Japanese International Co-operation Agency (**JICA**) Scholarship for Masters Degree at the University of Nairobi, Nairobi, Kenya.

G. Publications: Refereed Papers and Conference Proceedings

1. Mwaniki C., Abungu N, **Wekesa C.**, *Voltage Stability Improvement Using the 21st Century Power Transformer*, Journal of Innovative Systems Design and Engineering, Vol. 3, April 2012.
2. L. K. Letting, G. N. Nyakoe, **C. W Wekesa**, *Comparative Study of Maximum Power Point Tracking Algorithms based on Fuzzy Logic, Perturb and Observe, and Incremental Conductance Methods*, JKUAT Scientific and Technology Conference, October 2007.
3. L. K. Letting, G. N. Nyakoe, **C. W Wekesa**, *Analysis and Simulation of a Fuzzy Logic Maximum Power Point Tracker for A Photovoltaic System*, JKUAT Scientific and Technology Conference, October 2006.
4. **C. Wekesa**, T. Ohnishi, *Solar PV Generation System with AC Terminal Voltage Control Capability*, Journal of Japan Solar Energy Society, Vol. 29, No. 4, pp41-46, 2003.

H. Professional Membership

1. Member, Institute of Electrical and Electronic Engineers (IEEE);
2. Member, IEEE Computer Society;
3. member, Association for Computing Machinery (ACM)

I. Referees

1. Prof. Dominic Konditi, Director – Center for Sustainability and Development Studies, Multimedia University College of Kenya (MMU), MBAGATHI, NAIROBI. Tel. 0725140795.
2. Prof. George Nyauma Nyakoe, g_nyakoe@hotmail.com, Dept. of Electrical and Electronic Engineering, Jomo Kenyatta University of Agriculture and Technology, P.O Box 62000, NAIROBI, Tel. 254 (67) 52181/2/3/4, 52711, Fax. 254 (67) 52164.
3. Prof. Maurice Mang'oli, Senior Lecturer, Dept. of Electrical and Information Engineering the University of Nairobi, P.O Box 30197, NAIROBI, Tel. 0722711178.